



eHousepro Ethernet

- ElectronicDomus
- DomumAutomation
- SmertDomum
- BuildingManagement System
- FacilitateManagement
- ArgutusDomus
- ProvectusLonginquus Control

Mensacontentorum

I.Introduction.V

I.I.Subleva ,comfort , Automation.V

I.II.Security.V

I.III.Frugalitas ,navitas savings.VI

II.eHouse system versions.VII

II.I eHouse I subPC vigilantiae.VIII

II.II.eHouse Isub CommManager vigilantiae.VIII

II.III.EtherneteHouse (eHouse pro Ethernet) IX

III.eHouse4Ethernet SystemModeratoris.XII

III.IEthernetRoomManager (ERM).XII

III.I.I.SignificationibusDescription.XIII

III.I.I.I.AnalogInputs (ADC).XIII

III.I.I.II.DigitalInputs.XV

III.I.I.III.DigitalOutputs XVII

III.I.I.V.PWM (ArteriamWidth INFLEXUS) Outputs.XVIII

III.I.I.VI.IR LonginquusImperium of EthernetRoomManager.XX

III.I.I.VII.DESPENSATIOper suppriorem - minima IR/RF remota controller (electronic clavem,) XXV

III.I.II.Extensionemmodulorum pro EthernetRoomManager.XXV

III.I.I.I libitumExtensionem eget sagittis (*).XXV

III.I.II.II.MifareAccess Card Lector (*).XXV

III.I.III.Installationinstructions , Connectors, signa descriptionibusEthernetRoomManager , EthernetHeatManager et alterius mediimoderatoris substructio in EthernetRoomManager PCB.XXVII

III.II .EthernetHeatManager - PRAEFURNIUM Room Centralis et Heat controller XXXIII

III.II.I .EthernetHeatManager Outputs.XXXIV

III.II.II .EthernetHeatManager Events.XXXVI

III.II.III.VENTILATIO ,RECUPERATIO , calefactio , refrigerationem modos.XXXIX

III.III.CURSUS PUBLICIModule.XLI

III.IV.CommManager -Integrata communicatio module , GSM , securitatem system , primis ingenti aequanda cylindroprocurator , eHouse I server.XLIII

III.IV.I.Main featuresde CommManager XLIII

III.IV.II.CommManagerDescription XLIV

III.IV.III.Basibus etPCB Layout de CommManager , LevelManager et aliis magnus EthernetModeratoris LVII

III.V.Aliae etSacratae Ethernet moderatoris.LXIV

IV.eHouse PC Sarcina (eHouse proEthernet) LXV

IV.I.eHouseApplication (eHouse.exe) LXV

IV.II.WDT proeHouse (KillEhouse.exe) LXVI

IV.III.ApplicationConfigAux (ConfigAux.exe) LXVII

IV.IV .CommManagerCfg - Configurare Ethernet moderatoris.LXIX

IV.IV.I Generalis Tab –Generalis Occasus.LXX

IV.IV.II .Analog - ad - digital converters - Occasus LXXII

IV.IV.III.Digital potentiOccasus LXXIV

IV.IV.IV.ProgrammingScheduler/Calendar of eHouse4Ethernet moderatoris LXXVII

IV.IV.V.FINITIOOutputs Programs.LXXIX

IV.IV.VI.NetworkOccasus LXXXI

IV.V.TCPLLogger.exeApplication.LXXXII

IV.VI .eHouse4JavaMobile application.LXXXIII

IV.VII .EHouse4WindowsMobile application (Fenestra Mobile VI.x) XC

IV.VIII .eHouse4Android Application et bibliothecas XCI

IV.IX.Visualizationet SIGNIFICANS Control - Views et objecta creationis.XCII

IV.IX.I.Automaticeducens favorem exitia Macronis Function.XCII

IV.IX.II.Manualeducens obiectorum.XCII

V.Notes: XCIV

VI.Contact/Cooperation /Documentation XCVII

I .Introduction.

" Argutusdomus " , " Smert Domus " termini intelliguntur omnes modi domumAutomation systemata pro controlling , incessus independens systemataet installations incorporatus in aedificationibus.Domum Automationsystemata possunt administrare multis et diversis aedificium rationes domus , flat ,diaetas , officia , hotels , etc.

DomumAutomation systemata currently sunt potissimaque system falcandaset armaret, de domo.

Provehimurcum magis et magis carus navitas prices , Oecologia restrictiones pronovis aedificiis , adjusting ad investment exspectationes his system suntpractically inæstimabilis.

MOLLITIAalicuius domum Automation systemata patiar ad reconfigure una cummutationes exspectationes durante usu aedificii , absquenecessitate mutandi traditional electrica installations simulcum vehementissi renovationis domus.

DomumAutomation systemata permittere augmentum comfort vivae , securitatem ,oeconomia , salvum navitas , reducere price vivendi in domo vel planae.

I.I.Subleva , comfort , Automation.

eHousesystem usu enables complexu , localis et remota controlling lucis ,temperies , electrica et electronic fabrica in domo , flat ,officium , hotel , etc.Quod creat possibilitas regendi Audio -Video , Credo in unum systemata aemulatione ultrarubrum remota controller significationibusquae potest discere et supplicio a eHouse system.Estpossibilitatem administrandi persenilis PRAEFURNIUM cella installation:calefactio , refrigerandum , RECUPERATIO , VENTILATIO , solaris , PRAEFURNIUM , calorquiddam , pyram cum aqua Jacket et calidum aerem distributio system.

eHouseenables controlling ratio per communis virgas , IR longinquus controller ,GSM mobile phone , PC , PDA , Tabulas , Suspendisse potenti , graphic tactuspanels operatic substructio in MAS , Fenestra XP , Fenestra Vista , FenestraVII , Fenestra Mobile VI et eorum successoribus , Java enabled Systems ,interrete pasco , Fenestra rimor , FTP client application.

eHousesystem graphics imperium panel sunt compleri vexillum PDA ,Suspendisse potenti , Tabulas aut PC cum supplevimus software.Visualizationimagines potest creari singillatim pro ullus finis user installation.

eHouseModeratoris consistere magnis , proficiebat Scheduler quod potest esseprogrammed ad currendam servitium , crebris , dilata temporum negotiumautomatically.PC sustentationem enables creando propria software , quae operatursimul cum eHouse sarcina , faciendo logs et curre provectus usersalgorithms quae necessarium esse potest aut apparere in futuro.Programinglibraries sunt etiam available pro developers ut amplio functionalityet creans dedicare panels.

I.II.Security.

Domusplus multo est, periclitatur tunc flat , debetur magnum spatium advicini et habet multo magis etiam, intuta.Agatur de possibilitasde BURGARIA , oppugnare , furtum , ignis , diluvium , sabotage.In casu, infirmum autcarentia efficiens securitatem system et clangoris sensoriis vigilantia ullapossibilis eventus in domo, et Praemissae , computatis finitimis apauci duodecim hominum Horribilium metra nostri vel capitales quod reaction est potius quoque optimistic.

Syntaxisde eHouse system auget securitatem domus et in extrucone , quaiincorporat aedificare - sérviat ratio per GSM/SMS intimationeeventuum.Efficat connectens aliquod genus terror sensoriis (motus ,udo , frigus , calor , ignis , ventus , gas , virgas pro confirmacione clausisostia , fenestras , scutulis , portas , etc.).Security ratio est activatedextra firmatisque zone , quae non dare additional, tempus agenda rei adinterpellatores.eHouse dat occasionem praestare automatic negotiisensorem activation , programed in systemate.

eHouseintegrates automatic multi - canalis incessus scutulis , portas , ostia ,umbra awnings etc.

eHousesystem enables imitando praesentia humanae in domo cursuscheduled eventuum , eg.mutans TV canales , quae potest inpediretinterpellatores vigilantes in domum a aspiret - in.

I.III.Frugalitas , navitas savings.

eHousesystem incorporat proficiebat controller ut curo calor , frigus , VENTILATIO , RECUPERATIO , PRAEFURNIUM cella , Solaris systematis , calor quiddam ,pyram cum aqua Jacket et calidum aerem distributio , quae salvat amultus of navitas a buffering, et utentes liber (solaris) vel vilissimo navitassources (lignum , solidum fuels).Potest programmed ad currendam pleneautomatically sine humana interaction.Efficit possibilitatem adlimitare expensas calefactio , refrigerandum , VENTILATIO pauci vicispendentes pretia solebat fuels.

Individualtempero mansionum temperaturis et manuteneat eos independenter ,generat additional savings of circa multas dozens percents , etefficiens usu of navitas.In hoc casu temperaturis indispensata discubitus aluntur automatically in programmed level ,sine overheating gazofilacia ut custodiant quaesito temperies in aliisunum.Tempestas , sol , ventus , caeli eventuum , et tempore ,architectura exitibus , fenestra mole et situationes non habent talis ingensinfluere , sicut est in central calefactio systemata.Non est magnusCLIVUS inter conclavia, quae mutat debetur condiciones, tempestatum ,solaris calefactio , ventus directionem , et multa alia unpredictable exitibus.

Additional savings potest fieri per automatic switching off lux statuendoeos ad verto off automaticall post aliquod tempus vel convertendi eas in , prosicut tempus motum latere.

Usuramulti - punctum parvum lumen lucernas lucrari possunt etiam sors off navitassavings , comparando ad summum potentia central lux.

Hocpossibilitates eHouse systema dat opportunitatem ut refundere costagiisinstallation durante I - III annis (pendentes sumptibus usus fuels).

II.eHouse system versions.

eHouseSystem est proficiebat solutio domum Automation qui sufficiunt moderantum et integrationem multis cogitationes alterius rationis. eHouse enables magna atque arbitrio temperies , lux level , calefactio , refrigerandum , humiditas.

eHouseRatio can installari in blandit , domos , publicis aedificiis , officia , hotels, potest uti accessum control system.

eHouse system installation potest esse oeconomicae , commodo, vel maximalia.

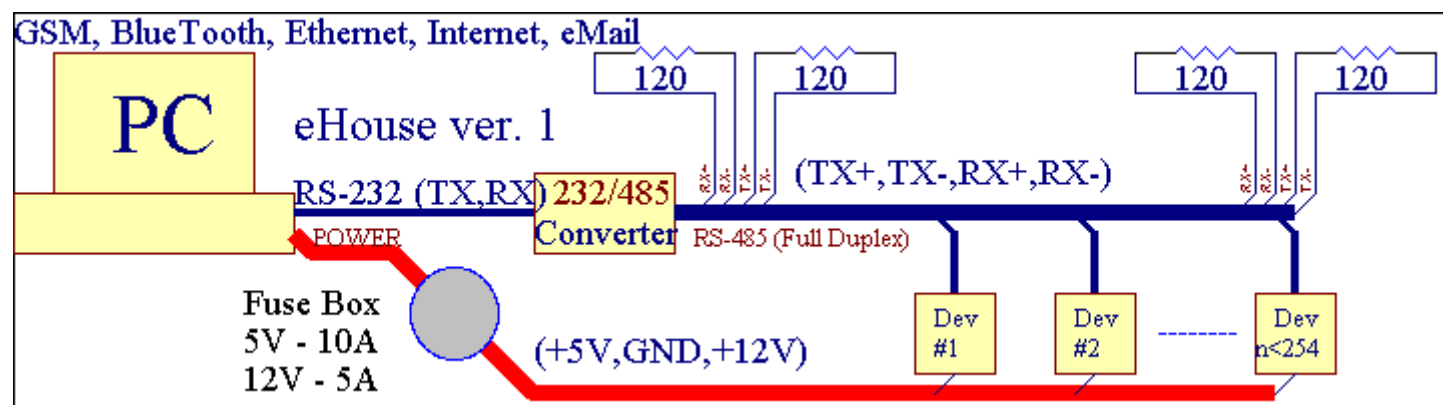
Multi configuration alte cadere de eHouse system creat possibilitatem decentralized , centralized , administratur ab PC vel extra installation.

eHouse erit modularis system quae dat occasionem resignare non uti partes et stringere application directe ad finem user necessitatibus (e.g .HeatManager potest instillatur flat installation).

eHouse installation potest fiat, uti centralized et unus controller per level (LevelManager) vel decentralized cum multis moderatoris expandit super conclavia. In secundo casu sunt multo minus 230V cabling et eorum totalem longitudo pauci vicis brevior et facit installation multo vilius , quae partialiter componat in maioribus sumptibus moderatoris.

II.I eHouse I sub PC vigilantiae.

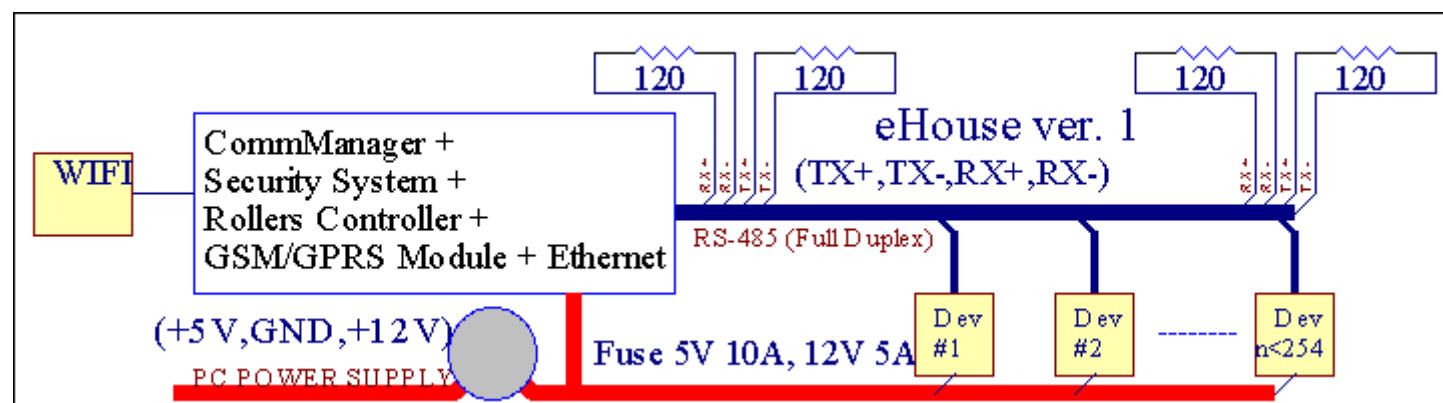
OmneseHouse I adinventiones sunt opus in notitia bus (RS - CDLXXXV Full Duplex).



Hocversion explicatum est at: www.isys.pl/download/eHouseEN.pdf www.iSys.PI/download/eHouseEN.pdf

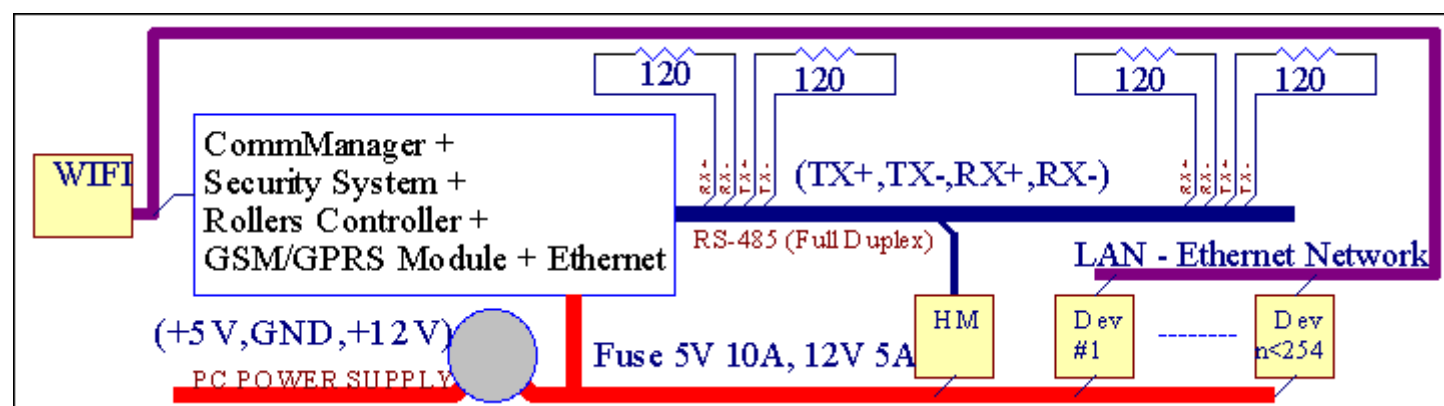
II.II.eHouse I sub CommManager vigilantiae.

Inhoc configuration CommManager reponit PC , RS232/RS485 Converter ,ExternalManager , InputExtenders , Expander.Hac versione explicaturat: www.isys.pl/download/eHouseEN.pdf www.iSys.PI/download/eHouseEN.pdf



II.III .Ethernet eHouse (eHouse pro Ethernet)

Hoc variant of installation opera sub TCP/IP Ethernet (10Mbit) infrastructure. Unum tantum exceptio est HeatManager quod adhuc connexa via RS - CDLXXXV pertransitu cable. CommManager cooperatur LevelManagers ,EthernetRoomManager's , TCP/IP panels (Fenestra XP , Fenestra Mobile VI.0) usura eHouse protocollo cum challenge - responsio authenticas declarandas prorationes securitatis. Tertius secui applications uti potest simplicior authenticas declarandas methodos si est enabled in moderatorem configuration.



eHouseSystem enables control practically omnis notae , quae potest esse controlatae electrically aut electronice , continenterque explicant et patuisset nuntium in venalicium.

eHousecoerceri potest per IR longinquus controller (Nulla vexillum) , PC , PDA , Suspendisse potenti , Tabulas , Mobile phones (Fenestra Mobile VI.0 , MASCULINUS aut Java MIDP II.0) , Tactus panels innixam (Fenestra mobile VI.0 , FenestraXP , Fenestra Vista , Fenestra VII et successoribus) , MAS , Javainstructissimo systemata , aut per commune murum conscendit virgas. Control potest esse praestiterunt via INFRA - Rubescens (IR) , Ethernet , WiFi , Internet , Aliquam , SMS , FTP , file copy.

eHouseuti communis ad inventiones (switched on/off a transmittit eg. lucernas , pumps , cutouts , heaters) , absque interno logica temperantia et non requirunt sumptuosum et sacratae ad inventiones (eg. graphic panels , switch panels).

eHouse cooperatur et potest esse administratur ab PC , tabulas , PDAs quae dat opportunitatem ut creare suas software overlays pro exsequendam proficiebat et individuum algorithms a solventibus moderatoris statum et significationibus parametris et faciendi notitia in desideravit via et mitte desideravit eHouse eventum.

eHouse4Ethernet system consistit ex :

- EthernetRoomManager (ERM) -Controlling unum vel plura discubitus ,
- LevelManager (LM) -Controlling totum flat , apartment vel domus contignatione ,
- EthernetHeatManager (EHM) -Controlling central calor system , VENTILATIO , RECUPERATIO , PRAEFURNIUM cella , pyram cum aqua Jacket et calidum aerem distributio , solaris , calor quiddam , etc ,
- CommManager (CM) Ethernet , GSM - Integrata securitatem system , Cylindris controller ,
- Nullam Module (MP) - Consistere omnes transmittit pro controller et PWM dimmers (optional) ,

Modularis characterem eHouse system enables eligens individuum variant of installation quod esset efficacissimo , desideratur ab possessorem , et sumptus efficens.

E.g .personis qui creat eHouse installation in planis vel apartment non faciunt postulo EthernetHeatManager controller , Rollerus controller. They generaliter postulo LevelManager aut CommManager ut directe tempero flat , aut EthernetRoomManagers pro singulis moderantur calor , luminaria in conclavia et Audio/Video systemata.

eHouse system enables :

- Integrariimperium of electrica et electronic fabrica (in/off) (ERM) .
- DESPENSATIO Audio / Video ,Credo in unum system (viaIR longinquus controller aemulandum) (ERM) .
- MENSURAatque arbitrio lux level (ERM , LM) .
- MENSURAatque arbitrio temperiei (ERM , EHM , LM) .
- Multi - punctumet individua calor control (ERM , LM) .
- Integrata imperium of PRAEFURNIUMcella (EHM).
- Managementde v entilation , r ecuperation ,calor nummulariis , aer pertractatio unitates (EHM) .
- PRAEFURNIUMcontrol (EHM) .
- Ignium Festorumcontrol cum aquaJacket et/vel h verendiaer distributione (EHM) .
- Solaremsystem control (EHM) .
- Calor quiddam control (EHM).
- Securityratio per GSM notificatio activated extra monitored zone (CM) .
- SIGNIFICANSVisualization (individualitercreata propter finem user installation in CorelDraw) (PC , PDA , Tabulas , Suspendisse potenti - Fenestra Mobile VI , Fenestra XP , VII ,Vista , MAS , Java enabled operating ratio) .
- Cylindris , portas , ostia , umbraawnings control (CM).
- Creandologs in eHouse system (PC) .
- Usu tertius secuicomponents et quasi ministrative adinventiones (nullo aedificare - in logica adImperium) , sensoriis , virgas , pumps , motoribus , cutouts , scutuliscoegi etc.
- Usu Analog sensoriis aforo < 0 ; III.3V) mensurae range.
- IRLonginquus Control of ratio (Nullavexillum SIRC) (ERM) .
- Longinquuscontrol via penitus quod Ethernet (ERM , CM , LM , EHM) .
- Local control a graphicspanels MAS , Java enabled , Fenestra Mobile VI.0 (et successoribus) ,aut PC compatitur tactus screen Fenestra XP , Vista , VII (etsuccessoribus).
- Longinquuscontrol per mobile phones , PDA , Tabulas , Suspendisse potenti tactus screen (MAS ,Fenestra Mobile VI.0 application controlling system via WiFi ,SMS aut Aliquam).
- SMSnotificatio securitatis violationes , zone mutationes , deactivation (addefinitur fama groups) (CM) .
- eHouse habetimplemented functiones sui control , logging , ad retinendamcontinua et efficiens opus.

III .eHouse4Ethernet System moderatoris.

III.I EthernetRoomManager (ERM).

EthernetRoomManager(ERM) est per se continetur Microcontroller cum exstrukione in peripherals proadministrandi electrica , electronic fabrica in cubiculo.Consolationem etmaximalia installations utitur I ERM per major cella (definitur per userquae cella est maximus).In humilibus budget installation I LM per solariirequiritur.Haec solutio adficient ex cohibitaque ultrarubrum Controlet progressio sets.

MainFunctiones EthernetRoomManager:

- XXIVdigital programmable outputs (directe exigendi external transmittitaedificem in MP) pro volvitur in/off external adinventiones amet usque ad230V - AC/10A (maximalia valores current et voltage de resistenteonus).
- XIIIdigital inputs pro connectens sensoriis , virgas , etc.Eventusdefinitur mutandi, rem publicam ex I - > 0 vel 0, - > I.Assignationemdesideravit eventus peragi potest in “ CommManagerCfg ”application.
- VIIIANalog inputs (10bit resolutione) cum singillatim programmed campester(Min , max).Duos eventus definiuntur mutandi ab uno campestralius $x < \min$, $x > \max$.
- IIIPWM (Arteriam width modulatione) outputs pro controlling lux level (DCobscurius) potest simul aut separatim pro compositarum RGB Control .EthernetRoomManager's PWM output est capax ad depellendos uno DUXERIT (namopto - isolator) et indigent potentia auriga.Externum PWM potentia coegi caninstallari uel solebat FrontPanel module.
- Programmablehorologium Scheduler (CCLV positiones) pro currit eventus repono inimico memoriam ERM.
- IRExcuderunt ruber receptore compatitur Nulla (SIRC) ratio procontrolling EthernetRoomManager's per Nulla vel universalibus, remotamoderatoris.
- IRExcuderunt ruber transfusor pro controlling Audio/Video/Credo in unum systemataa remota controller signum aemulandum.
- Upad CCL ERM potest installed in eHouse System.

EthernetRoomManagerpotest configured et administratur ab PC cum installed“ CommManagerCfg.exe ” application , , quod efficitprogramming omnium functionum quod bene controller ad suicontinetur independens module et omnes localis functiones peragi potestlocaliter sine ministrorum PC , imperium panels , tabulas etc.Longinquuscontrol (mittens eventus) de aliis eHouse Ethernet MODERATOR potest etiampossunt directe observaverunt.

EthernetRoomManagerconsistit ex pauci diversus signum genera (quae sunt inputs autoutputs).

Quisquesignum continet paucis individuum eventuum et options adiuncti eam ,substructio in typus signum.

Inputsignificationibus sunt:

- OmnesAnalog inputs ,
- Omnesdigital inputs ,
- IRReceptorem (nam longinquus imperium).

REPRAESENTOSignificationibus sunt:

- Omnesdigital outputs ,
- OmnesPWM outputs ,
- IRtransfusor (nam controlling external adinventionum).

III.I.I.Significationibus Description.

III.I.I.I.Analog Inputs (ADC).

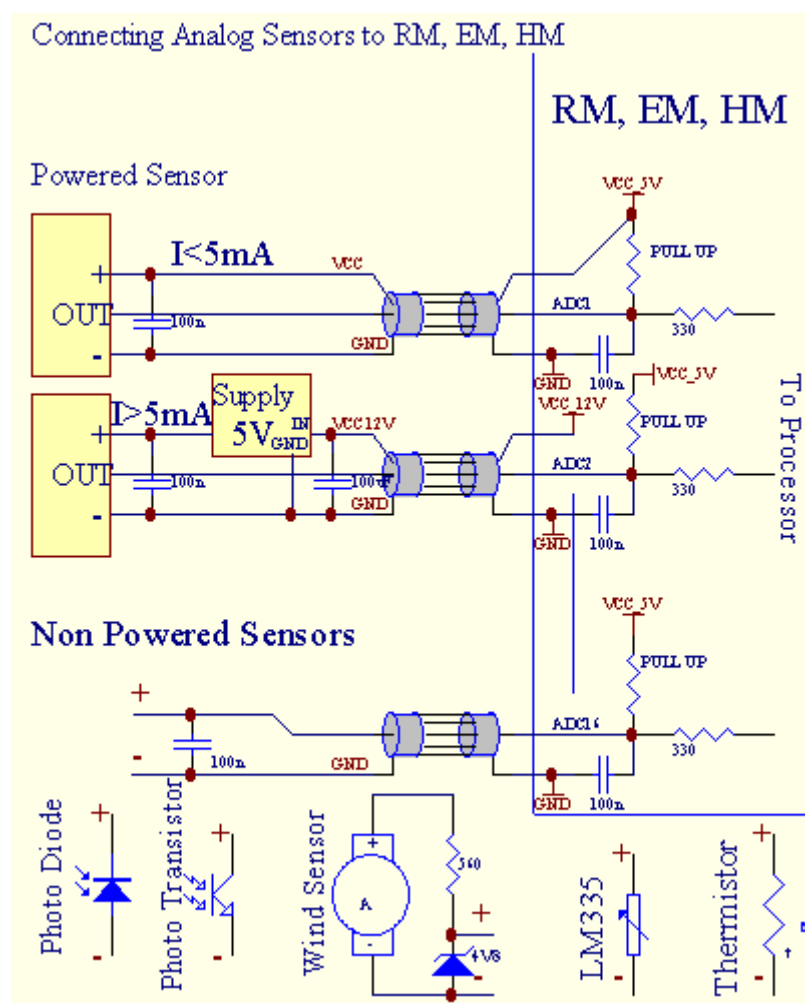
Quisque Analog input est operantes range < 0 ; III.3V) cum X frenum resolutio .Is has singillatim assignari voltage campester minimus, maximalia(Quae dat III iugis ADC operationem).Transgressus hoc campester voluntasinitiare automatic eventus run definita et programmed a " CommManagerCfg.exe " application.Hi gradus suntindividuum pro singulis ADC canalis et singula programmaEthernetRoomManager.

Duos eventussotiata sunt ad singulos ADC ad traiciendum campester a mensus valores:

- Si $U_x < \text{"Min Value"} * \text{Programmed in applicatiocurrent progressio}$, eventus assignari, in " Event Min " * Agroin CommManagerCfg application est launched.
- Si $U_x > \text{"Max Value"} * \text{Programmed in applicatiocurrent progressio}$, eventus assignari, in " Event Max " * Agroin CommManagerCfg application est launched.

Quidam ADCinputs potest partita interne pendentes hardware versions.

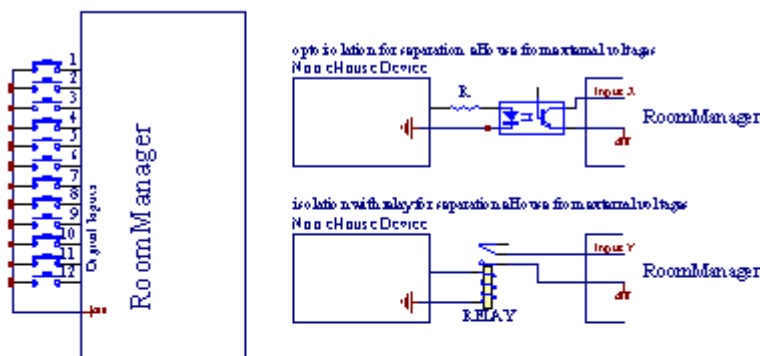
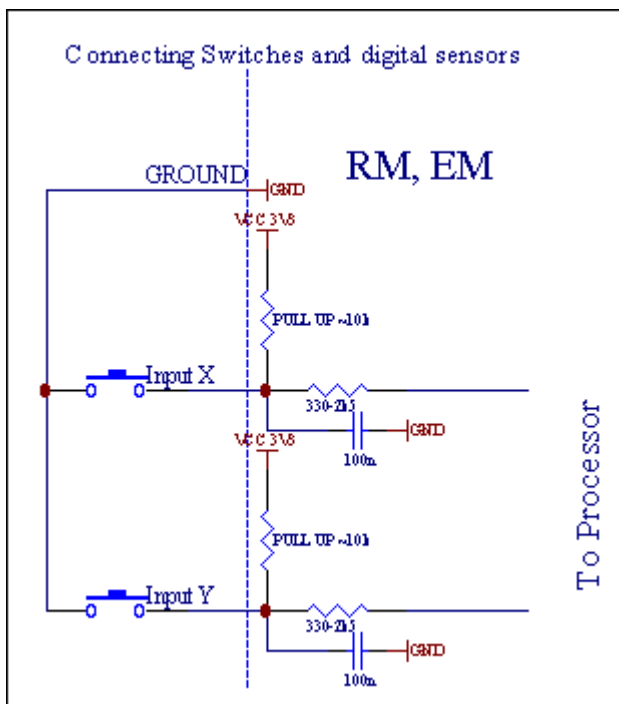
(*) APPELLATIOconventionis, a " CommManagerCfg.exe " application.



III.I.I.II .Digital Inputs.

Digital inputs deprehendere duo logica campester (I et 0). In ordine certificare proprium error margine inputs habet 1V hysteresis. Inputs sunt excute usque ad 3V3 potentia copia, et CORREPTIO input ad controller terram signum activate current input. Electronic sensoriis et aliquod genus virgas mustipersuades hoc campester longa lineas et optima solutio est, quando ad inventiones est aedificaret in CURSUS PUBLICI cum non connectitur autem contactus external potentiae (quae adnexa sunt MODERATOR Inputs sicut communis switch). Hoc rerum statu confirmat proprium voltage campester et separamini ad inventionum, quod posset amet a commeatibus aliis secure. Alioquin, copia valorem differentia vel sensorem malfunction potest causare permanentem dampnum input vel integrum controller.

Ibi unum sunt eventus definitur pro singulis input super mutans rem publicam ex I, 0 posuit in “CommManagerCfg.exe” application. Inverso acti definiti non potest, & quando “Inverso” flag positus est sursum pro current input. In hoc casu input launch cum dicitur disiungitur ab GND.



Inputs oportet esse separari ab aliquo voltage. Ut brevis ad terram (GND) of current controller acceptus est.

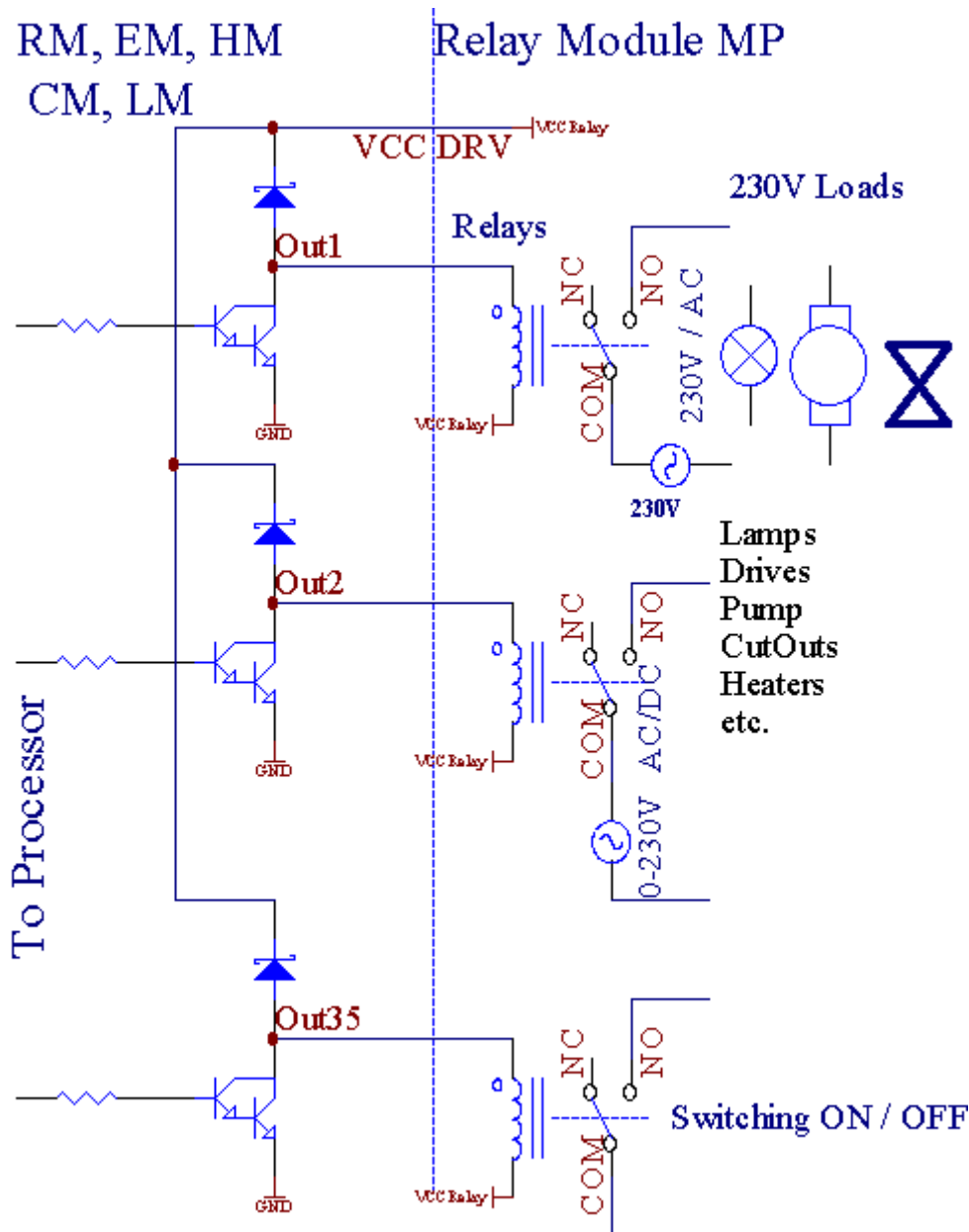
III.I.I.III .Digital Outputs

Digital outputs potest directe expellam transmittit (Single vel in Nullam Module) et constitui potest logicam status 0 et 1 (verto off et in CURSUS PUBLICI contactus). Event assignari outputs sunt:

- IN ,
- PROCUL ,
- Toggle ,
- IN(Nam programmed tempore) ,

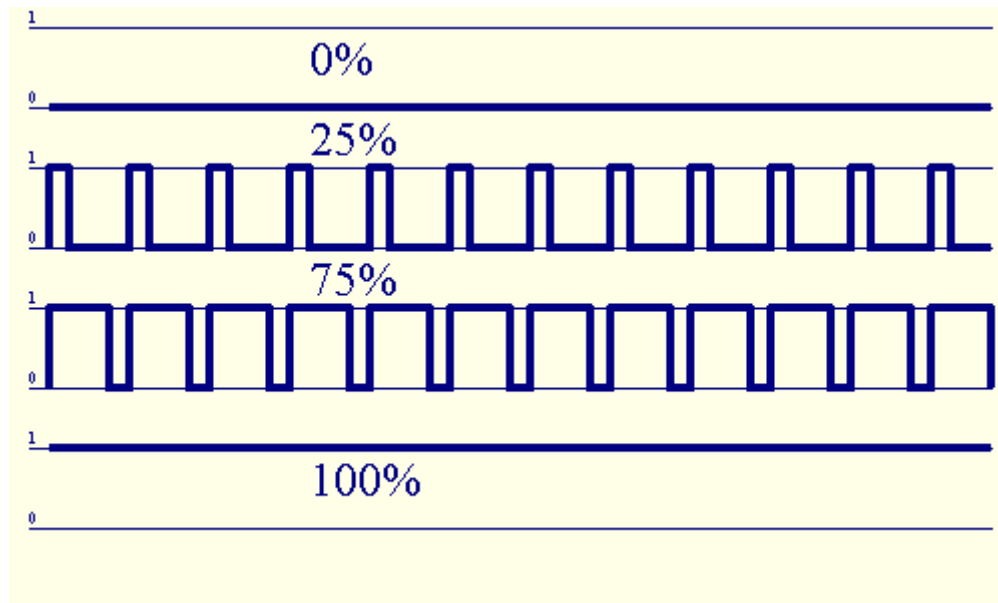
Eam potest currere ut:

- aneventus ADC level crucem ,
- input mutare eventus ,
- Scheduling eventum ,
- manualeventum.



III.I.I.V.PWM (Arteriam Width INFLEXUS) Outputs.

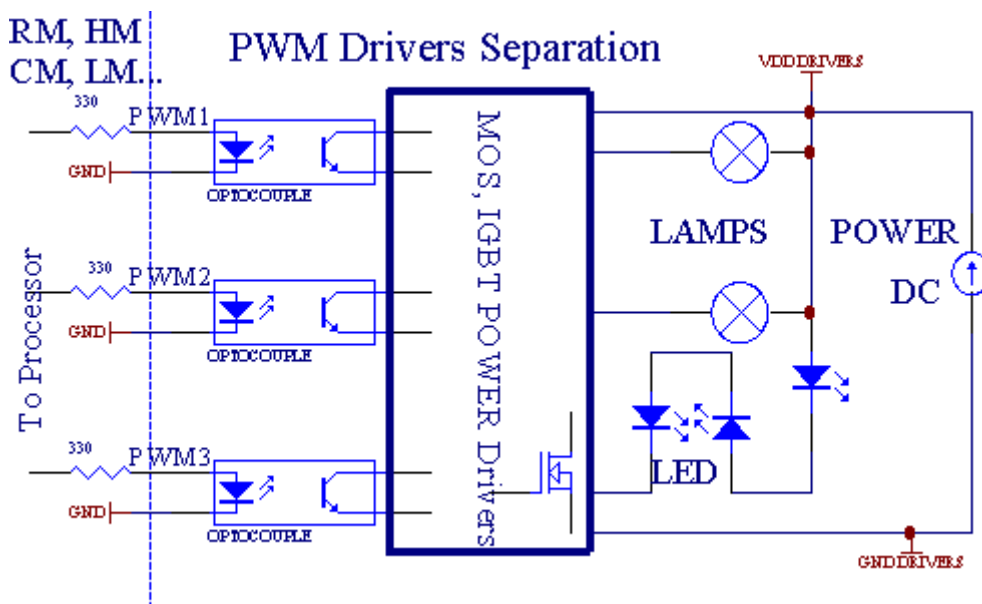
PWMOutput sunt DC dimmers , quae habent variabilis officium cycli (cum VIII bitsresolutione).



PWMoutputs per potestati coegi installed optionally super Nullam Module(Vel optional FrontPanel) , potest moderari expedite (CCLV positiones) luxcampester of lucernas amet 12V/DC - 30W.Eventually exterior potentiaaurigis cum opto - sequestrationis in input , summam potestatem redigant sit ametet inductiva vehes (e.g.DC motoribus , ventilators , pumps).

PWMoutput de LM , ERM , EHM capax est ad depellendos I DUXERIT connexa directesicut elementum of opto - isolator.Opto - isolator est musti ad protegendumController a permanentem dampna totius systematis causatur abbreakdowns.

Connectionexemplum external PWM potentia coegi ad eHouse System.



Connectioncoegi posse sciendum.

III.I.I.VI.IR longinquus imperium ofEthernetRoomManager.

QuisqueEthernetRoomManager coerceri potest a vexillum IR Nulla remotacontroller (SIRC).Longinquus MODERATOR enables:

- mutareoutputs civitates ,
- mutaretemperies campester ,
- mutareADC campester ,
- mutarelux campester ,
- resetEthernetRoomManager ,
- ContinereWinamp application installed in PC eHouse server (*).

assignaredirectam localis ipsum eventum Longinquus MODERATOR buttons peragi potestindividualiter.

DefaultLonginquus MODERATOR genus est Nulla RMT - V260A (utitur Video II occasum).

Consideranti,ingens numerus disciplinae officium , remota controller debet haberetotidem buttons ut possibile (cum interno switch mutandi,adinventionum).

Defaultremota controller puga pyga functiones (pre - configured occasum Video II).

Button DESERVAT

Purgare Abrigavi

0 - IX 0, - IXeligens nr of input , output , ADC alveo , PWM alveo

Ludere SED

Desine OFF

rota+ +

rota- -

IV/Video Temperature(Campester)

Propono Lumen(Campester)

InputLego Digital foris

AudioMonitor Analog potenti (campester)

Rec Resetcurrent RoomManager (requirere instaret OK tam)

OK Confirmationemde Reset et mutato progressio

Potentia Toggle(Cie ad alia level)

SmertFile Program Electio (global Definitio current RM max XXIVprogressio)

Menu DESPENSATIOalia EthernetRoomManager (solum output mutari potest) [" Menu "+ Nr_of_RoomManager + " OK " + " Input Lego " +OutputNr + SED/OFF/Toggle] (*)

Pause Winamp(Play) (*)

Sedebat Winamp(Subsisto) (*)

IndexNext Winamp (Next Track) (*)

IndexPrevious Winamp (Previous Track) (*)

SP/LP Winamp(TERGIVERSOR) (*)

Wide Winamp(Repeat) (*)

Vol + Winamp(His), (*)

Vol - Winamp(Volume -) (*)

LonginquusController usu enables executione autem cuiuslibet eventus , nisi mutansconfiguration et Scheduler edition.

Stepspro IR continentia

I .Eligentes Modus:

- Temperature ,
- Lux ,
- DigitalREPRAESENTO ,
- AnalogInput (ADC) ,
- Program.

II .Eligentes alveo nr:

0.. max

III .Value Mutationem

- + ,
- - ,
- Sc ,
- Off ,
- Toggle.

(E.g .Lux Level , canalis I , + , + , +)

EthernetRoomManagerignorat, diuque preméntium of puga pyga sic + oportet brusetur multiple vicisut switch ut expectatur level.

Ibiest possibilitas usu universalis IR longinquus moderatoris (cumaedificavit - in Nulla vexillum sustentationem - SIRC) , cum LCD tactus panel (e.g .Genius , Logitech {Harmonia}) et creans desideravit configuration etdescriptions in remotis controller creare IR Imperium Panel proeHouse Management.

Praetersacratae buttons dominandi , ibi est possibilitas ullus assignarilocalis RoomManager eventus ad liberum buttons copetit LonginquusController (max CC).Ibi est possibilitas ad coercendas variis Audio /Video , Credo in unum systema via Single Nulla Longinquus controller , et assignationeplures muneris ad buttons.

Transfiguratusoutput statu, (SED/OFF).

I .Press (potenti Select) puga pyga in remota controller

II .Press nr 0,.. XXIV

IIILego desideravit statu

- (Power)Toggle (SED - > OFF aut OFF - > SED) ,
- (Play)– IN ,
- (Subsisto) - PROCUL.

Exemplis:

(PotentiLego) - > (I) - > (III) - > (Play) = output XIII SED

(PotentiLego) - > (VII) - > (Subsisto) = output VII OFF

(PotentiLego) - > (I) - > (VII) - > (Power) = output XVII Mutationem rei publicae

MutareRoomManager Program.

I .Press (Smert File)

II .Lego NR I.. XXIV

III .Press (OK)

Exemplis:

(SmertFile) - > (I) - > (III) - > (OK) = Select Program XIII

(SmertFile) - > (VII) - > (OK) = Select Program VII

(SmertFile) - > (I) - > (VII) - > (OK) = Select Program XVII

MARITUMUSADC campester.

I .Press (Audio Monitor)

II .Lego alveo I.. VIII

III .Convertere rota (+) vel (-) (I legumina = subcinctus proxime III.3mV pro voltage ,pro tempero proxime, 0,.VIII gradum pro LM335).

Examplecrescere calefactio circa II gradu , regulatae per ADC alveo II

I .(Audio notes) - > (II) - > (Rota +) - > (Rota +) - >(Rota +)

LuxLevel Control.

I .Press (Display)

II .Elegit obscurius alveo:

- I - n - > Enim PWM dimmers (I.. III) ,
- 0 - > pro volvitur in/off successiva outputs (lux coetibus siutebatur)

III .Elige modus ,

- PROCUL(Subsisto) ,
- IN(Play) ,
- Toggle(Power) ,
- " + "(Rota) ,
- " - "(Rota).

IV .(OFF).

EnimObscurius numero:

- I - n - > PWM Dimmers (ut subsisto obscurius mutatio) si obscurius currentlyauget vel diminuit , si obscurius obstructum est instaret hoc puta pygainitiare dimming (donec sistenda aut off).

EnimObscurius Number:

I - n- > si Lumen Level est 0 satus illustrantem delectorum obscuriusaliter initiare dimming.

IV(SED).

EnimObscurius Number:

- I - n - > Satus illustrantem selecti PWM obscurius (usque ad Max Value autmanual sistenda) ,

IV(-).

EnimObscurius Number:

0 - > avertas ultimum output (lux group) ,

I - n- > committitur dimming delectorum PWM obscurius (usque ad Min Value autmanual sistenda) ,

IV .(+).

EnimObscurius Number:

- 0 - > switch super postero output (lux group) ,
- I - n - > committitur illustrationis selecti PWM obscurius (usque ad Max Value autmanual sistenda) ,

Exemplis:

(Display)- > (I) - > (+) - >..... (Tardabis e.g.10s).... - > (Subsisto) -Satus illustrantem PWM obscurius I ac prohibere post 10s

(Display)- > (+) - Verto in postero output nr (next lux group)

(Display)- > (-) - Verto off current output nr (current lux group)

DESPENSATIO alia EthernetRoomManager outputs (*).

I .Press (Menu) ,

II .Elige (Address Minimum) of desideravit RoomManager ,

III .Press (OK) ,

IV .Faciéndam steps ut ad localem RoomManager

(PotentiLego - > (Output NR) - (Power aut Play aut Subsisto)

V .Control ad localem RM erit restitutus post II minutes torporeremota controller aut manual selectio RoomManager nr 0,.

Exempla

(Menu)- > (II) - > (OK) delectos EthernetRoomManager (cum oratio =0 , CCII)

(PotentiLego) - > (I) - > (II) - > (Power) Mutationem pro statu output XIIdelectorum ERM

(PotentiLego) - > (I) - > (0) - > (Play) Verto in output X deselecti ERM

(PotentiLego) - > (IV) - > (Sistere) Averte Off output IV de selecti ERM

(Menu)- > (OK) Restituet localis RM Selectionem.

Durante mutans functio , No. etiam ex , input , programma , etc semper est reset ad 0 , sic non est necesse eligens, 0, his similis (Menu) - > (0) - > (OK)

Curo Winamp Application (*).

Winamp application debet installed et quod continuatum eHouse PC Server. Winamp regitur via IR (Nulla remota controller) per EthernetRoomManager.

Praedefinitum remota controller buttons et eorum operationes ordinatum:

RCpuga pyga Function

Pause Winamp(Play) vel recitationis current track ,

Sedebat Winamp(Subsisto) decidet, ex ac prohibere ,

IndexNext Winamp (Next Track) ,

IndexPrevious Winamp (Previous Track)

> > Winamp(FF) Antrosum pauci secundus

< < Winamp(Rewind) Rewind pauci secundus

SP/LP Winamp(TERGIVERSOR) Toggle TERGIVERSOR modus

Wide Winamp(Repeat) Toggle Repeat

Vol + Winamp(Volume +) Crescite, Volume I %

Vol - Winamp(Volume -) Minui Volume I %

II .Assignans eventus localis EthernetRoomManager ad Longinquus MODERATORPuga pyga.

EthernetRoomManagerest aedificaret in functio ad supplicium localis eventus super instaretprogrammed puga pyga remota controller (max.CC eventura buttonsassignatione posse).

Adcreare definitiones remota controller buttons:

- currere“ CommManagerCfg ” quia appetiit EthernetRoomManager eg. „ **CommManagerCfg.exe/ A: CCI** ”.
- Premepuga pyga “ Excuderunt ruber occasus ” in “ Generales, ” *Tab
- Propriopositio eligi debeat a combo - arca archa control „ UserProgrammable IR DESERVIAT ” *.
- Nomenpotest immutari nomen agro
- Eventlegeretur post instaret label cum current eventum vel“ N/A ”.Event creator Window apparet – postSelectionem eventus “ Accipere ” , cogendi.
- “ ExcipioIR ” * Puga pyga, cogendi
- PremeLonginquus Control Button ordinatur ad selecti EthernetRoomManager.
- IRCodice debet monstratur in faciem puga pyga " Excipio IR " *.
- Preme“ Add ” puga pyga
- Postassignatione omnia appetuntur remota controller buttons ad res perurguentpuga pyga " Update Codes " *
- Postremo“ Salvum occasus ” puga pyga indigetis ut institerunt, quia dowloadconfigurationem ad controller.

DESPENSATIOexternarum cogitationibus (Audio/Video/Credo in unum) via IR Longinquus controllercodice aemulandum.

EthernetRoomManagercontinent IR transfusor et aedificabunt in logic pro transmittentes IR significationibusin plures fabrica signa.

Theycapi posse , doctus et ludere (usque ad CCLV codes per singulos ERM) .Post IR codice captis , eHouse gesta referuntur creavit ad integrare cumsystematis., Rerumque gesta posset supplicio a multis modis.

III .Definiens Longinquus codes , controlling external adinventiones.

Inut creare et adde IR Longinquus MODERATOR codice pro detinuimusexternal adinventiones (TV , Credo in unum , Video , DVD etc) sub vigilantiaeselecti EthernetRoomManager , his gradibus Agenda:

- Currere“ CommManagerCfg ” quia appetiit EthernetRoomManager eg. „ **CommManagerCfg.exe/ A: CCI** ”.
- Premepuga pyga “ Excuderunt ruber occasus ” in “ Generales, ” *Tab
- Aperi“ Longinquus Control ” * Tab , et vade ad “ Definiens IRControl signa ”.
- Puneunique , breve et descriptive nomen.(E.g.TV SED/OFF).
- Preme" Excipio IR signum " Et deinde puga pyga remota controllernam externa fabrica (ordinatur ad selecti RoomManager).
- IRCodicis apparuerunt in faciem illius puga pyga in eHouse application.

- Resultaretcernuntur in output fenestra
- Codepotest addi eHouse system per pressionem " Add " * Puga pyga.
- Postprogramming molestantes IR Codes press puga pyga Update Codes.

IV .Creando Oppugnatio - subsequentem I ad IV remota codes Carnificinae.

vigilantiaedelectorum EthernetRoomManager , his gradibus Agenda:

- Legodesideravit EthernetRoomManager nomen in " Ducem " * Tab.
- Aperi“ Longinquus Control ” * Tab , et vade ad “ Definiens IROppugnatio ” *.
- Preme" Add " * Puga pyga et vade ad finem list (si vos postulo utaugere novis item) vel elegerint item a list ad substituendos.
- InI , II , III , IV * Combo - boxes eligere successius IR Events definitur in“ IR Control signa ” * Group.
- IRsignificationibus erit lunched a I ad ultimum unum per RoomManager postoneratisque configuration.
- Postprogramming molestantes Oppugnatio press puga pyga " Update Codes "**.
- Postremoin “ Generales, ” * Tab Press puga pyga " Salvum Occasus "create IR Events.

Fewduodecim hominum Horribilium signa IR Longinquus moderatoris type fulciunturEthernetRoomManager (si comprobatur testing fabrica et remotacontroller).Verified signa sunt (Nulla , Mitsubishi , AIWA ,Samsung , Maecenas egestas ultrices , Panasonic , Matsumi , LG et multi more).Optimus via estdecidere est unum Manufacturer de Audio/Video adinventiones.

Quidamfabrica non semper uti uno Longinquus MODERATOR System , tunccapere et ludere codice cohibenda.

III.I.I.VII.Controlling per suppriorem - minima IR/RFremota controller (electronic clavam,)

eHousesystem fulcit etiam electronic claves (IR INFRA - Rubrum et radioFrequency RF) , continens IV buttons.

Instaretdescendit buttons immittet apertas IR codice mutandi programma currentEthernetRoomManager (cui æquatur ad premendam series buttons in Nulla RC(SmartFile> ProgramNR I> OK).Profiles debet creati inRoomManager aut “ CommManagerCfg.exe ” application.

III.I.II.Extensionem modulorum pro EthernetRoomManager.

III.I.II.I libitum Extensio eget sagittis (*).

EthernetRoomManagerparatur in II RS - CCXXXII (TTL) UART portuum quo uti potest insacratae versions of moderatoris aut speciali applications.

III.I.II.II.Mifare Access Card Lector (*).

RoomManagerpotest cooperari Mifare Card Lector,.Haec solutio enables accessumcontrolare , ius restrictiones , control limitation.Imprimis estbenevolens in hotels , publicis aedificiis , officia , obvius controlapplications.

Propinquuspecto ut legentis logged in eHouse Server PC programmed eventuspoteest launched (e.g.recludam ostium)

Sicard erat activated in eHouse system accessum ius larva est mutatiopro current RoomManager.

Obviusius potest ponenda est in:

- Switchingon/off outputs (singillatim pro singulis output) ,

- Transfiguratus progressio (globally omnes progressio) ,
- Eventactivation super input statu mutatio (e.g.Cie singillatim erexitpro singulis input) ,
- Transfiguratusobscurius occasus (singulariter singulis PWM output) ,
- Transfiguratusstatuentes ADC campester (globally omnes canales) ,
- Cursorexcuderunt ruber eventibus (globally pro aliquo transmissio aEthernetRoomManager) ,
- DESPENSATIOEthernetRoomManager via IR longinquus controller (globally).

Eampossibile est ut ponerent programmed outputs (nam 10s) e.g.pro reseranselectro - magnes , signum generationem , confirmationem luminaria.

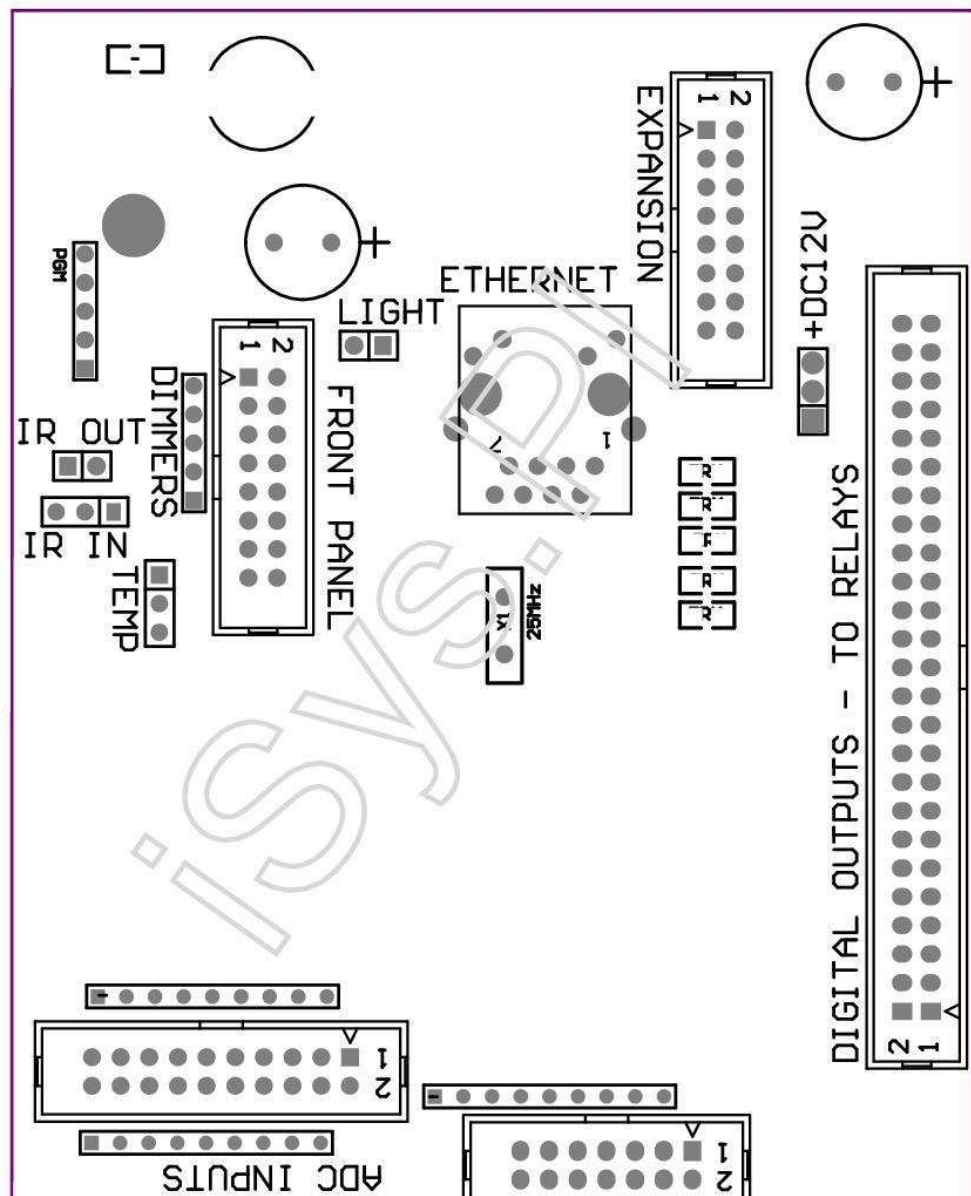
Obviusjura simul cum dedicated outputs illorum distincte programmedpro singulis Mifare Card.Nominis cuiusque card potest quoque definit,.

III.I.III .Installation instructions , Connectors, signa descriptionibusEthernetRoomManager , EthernetHeatManager et aliis medium moderatorissubstructio in EthernetRoomManager PCB.

Mostde eHouse moderatoris utitur duo row IDC bases qui sufficiunt valdeieiunium installation , deinstallation et
servitium.Syntaxis flat cablesquae est 1mm in latitudine , non requirunt faciens totorum pro cables.

Pinnon.I.habet rectangulae figura in PCB et superaddita sagittam inposuit bases singulas supputatisoperire.

Paxillo sunt numerati cum row prioritate:



|II IV VI VIII X XII XIV XVI XVIII XX XXII XXIV XXVI XXVIII XXX XXXII XXXIV XXXVI XXXVIII XL
XLII XLIV XLVI XLVIII |

|I III V VII IX XI XIII XV XVII XIX XXI XXIII XXV XXVII XXIX XXXI XXXIII XXXV XXXVII XXXIX
XLI XLIII XLV XLVII XLIX |

| _ ^ _____ |

ADC– Analog/Digital Converter Inputs (ADC INPUTS) < 0 ; III , 3V>- Non annecto external potentiae (IDC - XX)

I- GND/Ground (0V)

II- GND/Ground (0V)

III- ADC IN II

IV- ADC IN X

V- ADC IN III

VI- ADC IN XI/digital input XII *

VII- ADC IN IV

VIII- ADC IN XII/digital input XI *

IX- ADC IN V

X- ADC IN XIII/digital input X *

XI- ADC IN VI

XII- ADC IN XIV/digital input IX *

XIII- ADC IN VII

XIV- ADC IN XV/digital input VIII *

XV- ADC IN VIII (optional temperies sensorem in ERM tabula seu externo fronte panel)

XVI- ADC IN 0,

XVII- ADC IN IX (optional lux level sensorem (phototransistor +) on ERM tabula seu externo fronte panel)

XVIII- ADC IN I

XIX- VDD (III , 3V) – Requirit resistor in ERM tabula cohibentem current/posse, temperies sensoriis (Resistor C OM)

XX- VDD (III , 3V)

*Communicatum cum Digital Inputs - non annecto pro ERM

DigitalINPUTS - (De/Off) annecto/DEJUGO in terram dedit (ne annecto ullaexternal potentiae) (IDC - XIV)

I- Gnd/Ground (0V)

II- Gnd/Ground (0V)

III- Digital potenti I

IV- Digital potenti II

V- Digital potenti III

VI- Digital potenti IV

VII- Digital potenti V

VIII- Digital potenti VI

IX- Digital potenti VII

X- Digital potenti VIII *

XI- Digital potenti IX *

XII- Digital potenti X *

XIII- Digital potenti XI *

XIV- Digital potenti XII *

*Communicatum cum Analog/digital converter inputs

DigitalOUTPUTS – programmable outputs cum CURSUS PUBLICI coegi (IDC - XL lubIDC - L)

I- VCCDRV – Clamping protectione diode VCCrelay (XII V)

II- VCCDRV - Clamping protectione diode VCCrelay (XII V)

III– Digital Outputs pro directo coegi CURSUS PUBLICI inductor (12V/20mA)non.I

IV- Digital Outputs pro directo coegi CURSUS PUBLICI inductor (12V/20mA) nullus.II

V- Digital Outputs pro directo coegi CURSUS PUBLICI inductor (12V/20mA) nullus.III

VI- Digital Outputs pro directo coegi CURSUS PUBLICI inductor (12V/20mA) nullus.IV

VII- Digital Outputs pro directo coegi CURSUS PUBLICI inductor (12V/20mA) nullus.V

VIII- Digital Outputs pro directo coegi CURSUS PUBLICI inductor (12V/20mA) nullus.VI

IX- Digital Outputs pro directo coegi CURSUS PUBLICI inductor (12V/20mA) nullus.VII

X- Digital Outputs pro directo coegi CURSUS PUBLICI inductor (12V/20mA) nullus.VIII

XI- Digital Outputs pro directo coegi CURSUS PUBLICI inductor (12V/20mA) nullus.IX

XII- Digital Outputs pro directo coegi CURSUS PUBLICI inductor (12V/20mA) nullus.X

XIII- Digital Outputs pro directo coegi CURSUS PUBLICI inductor (12V/20mA) nullus.XI

XIV- Digital Outputs pro directo coegi CURSUS PUBLICI inductor (12V/20mA) nullus.XII

- XV- Digital Outputs pro directo coegi CURSUS PUBLICI inductor (12V/20mA) nullus.XIII
- XVI- Digital Outputs pro directo coegi CURSUS PUBLICI inductor (12V/20mA) nullus.XIV
- XVII- Digital Outputs pro directo coegi CURSUS PUBLICI inductor (12V/20mA) nullus.XV
- XVIII- Digital Outputs pro directo coegi CURSUS PUBLICI inductor (12V/20mA) nullus.XVI
- XIX- Digital Outputs pro directo coegi CURSUS PUBLICI inductor (12V/20mA) nullus.XVII
- XX- Digital Outputs pro directo coegi CURSUS PUBLICI inductor (12V/20mA) nullus.XVIII
- XXI- Digital Outputs pro directo coegi CURSUS PUBLICI inductor (12V/20mA) nullus.XIX
- XXII- Digital Outputs pro directo coegi CURSUS PUBLICI inductor (12V/20mA) nullus.XX
- XXIII- Digital Outputs pro directo coegi CURSUS PUBLICI inductor (12V/20mA) nullus.XXI
- XXIV- Digital Outputs pro directo coegi CURSUS PUBLICI inductor (12V/20mA) nullus.XXII
- XXV- Digital Outputs pro directo coegi CURSUS PUBLICI inductor (12V/20mA) nullus.XXIII
- XXVI- Digital Outputs pro directo coegi CURSUS PUBLICI inductor (12V/20mA) nullus.XXIV
- XXVII- Digital Outputs pro directo coegi CURSUS PUBLICI inductor (12V/20mA) nullus.XXV(Dedicated functiones)
- XXVIII- Digital Outputs pro directo coegi CURSUS PUBLICI inductor (12V/20mA) nullus.XXVI(Dedicated functiones)
- XXIX- Digital Outputs pro directo coegi CURSUS PUBLICI inductor (12V/20mA) nullus.XXVII(Dedicated functiones)
- XXX- Digital Outputs pro directo coegi CURSUS PUBLICI inductor (12V/20mA) nullus.XXVIII(Dedicated functiones)
- XXXI- Digital Outputs pro directo coegi CURSUS PUBLICI inductor (12V/20mA) nullus.XXIX(Dedicated functiones)
- XXXII- Digital Outputs pro directo coegi CURSUS PUBLICI inductor (12V/20mA) nullus.XXX(Dedicated functiones)
- XXXIII- Digital Outputs pro directo coegi CURSUS PUBLICI inductor (12V/20mA) nullus.XXXI(Dedicated functiones)
- XXXIV- Digital Outputs pro directo coegi CURSUS PUBLICI inductor (12V/20mA) nullus.XXXII(Dedicated functiones)
- XXXV- Digital Outputs pro directo coegi CURSUS PUBLICI inductor (12V/20mA) nullus.XXXIII(Dedicated functiones)
- XXXVI- Digital Outputs pro directo coegi CURSUS PUBLICI inductor (12V/20mA) nullus.XXXIV(Dedicated functiones)
- XXXVII- Digital Outputs pro directo coegi CURSUS PUBLICI inductor (12V/20mA) nullus.XXXV(Dedicated functiones)
- XXXVIII- GND/Ground 0V (Alternative Grounding pro posse, moderatoremflat cable longitudine minus igitur 40cm)
- XXXIX- GND/Ground 0V (Alternative Grounding pro posse, moderatoremflat cable longitudine minus igitur 40cm)
- XL- GND/Ground 0V (Alternative Grounding pro posse, moderatoremflat cable longitudine minus igitur 40cm)
- XLI- GND/Ground 0V (Alternative Grounding pro posse, moderatoremflat cable longitudine minus igitur 40cm)
- XLII- GND/Ground 0V (Alternative Grounding pro posse, moderatoremflat cable longitudine minus igitur 40cm)
- XLIII- GND/Ground 0V (Alternative Grounding pro posse, moderatoremflat cable longitudine minus igitur 40cm)
- XLIV- GND/Ground 0V (Alternative Grounding pro posse, moderatoremflat cable longitudine minus igitur 40cm)
- XLV- GND/Ground 0V (Alternative Grounding pro posse, moderatoremflat cable longitudine minus igitur 40cm)
- XLVI- GND/Ground 0V (Alternative Grounding pro posse, moderatoremflat cable longitudine minus igitur 40cm)

XLVII- GND/Ground 0V (Alternative Grounding pro posse, moderatorem flat cable longitudine minus igitur 40cm)

XL- GND/Ground 0V (Alternative Grounding pro posse, moderatorem flat cable longitudine minus igitur 40cm)

XLIX- XII V potentia supplementum, controller (Alternative pro posse, Moderatorem flat cable longitudine minus igitur 100cm)

L- XII V potentia supplementum, controller (Alternative pro posse, Moderatorem flat cable longitudine minus igitur 100cm)

POTENTIADC XII V (III - ACUS CAVUM)

I- GND/Ground/0V

II- GND/Ground/0V

III– Potentia copia XII V/0.5A (potenti) UPS

FRONSABAX – Extensionem panel nervum (IDC - XVI) - solum pro eHousesystem modulorum nexu

I- XII VDC potentia copia (potenti/output max 100mA) *

II- XII VDC potentia copia (potenti/output max 100mA) *

III– Digital output non.XXXIV (nullo auriga)

IV- VCC III.3V potentia copia (interno stabilitorque output pro posse, panel)

V- IR IN (INFRA Rubrum sensorem input – pro connexionem IR receptorem expanel)

VI- ADC IN VIII (optional temperies sensorem in ERM tabula seu externo fronte panel)

VII- TX1 (RS232 TTL transmittere) vel alia regis munia panel

VIII- RX1 (RS232 TTL accipere) vel alia regis munia panel

IX- ADC IN IX (optional lux level sensorem (phototransistor +) on ERM tabula seu externo fronte panel)

X- PWM I (PWM obscurius I vel (Red pro RGB) TTL – sine potentia agitator) III.3V/10mA (nam directam coegi DUXERIT potentiae Driver opto - isolator)

XI- PWM II (PWM obscurius II vel (Gren pro RGB) TTL – sine potentia agitator) III.3V/10mA (nam directam coegi DUXERIT potentiae Driver opto - isolator)

XII- PWM III (PWM obscurius III aut (Puteulanus pro RGB) TTL – sine potentia agitator) III.3V/10mA (nam directam coegi DUXERIT potentiae Driver opto - isolator)

XIII- IR FORIS – Ultrarubrum transfusor output (nam IR transfusor +resistor 12V/100mA)

XIV- PROPAGO – Controller Reset, (cum abbreviare ad GND)

XV- GND/Ground/0V *

XVI- GND/Ground/0V *

*pro posse, EthernetRoomManager a Front Panel (DEJUGO aliis potentia copia iunctio (XII VDC) et stabiliendae valde bona grounding desingulis ad inventiones praesertim Ethernet iter itineris

ETHERNET- RJ45 bases singulas supputatis - LAN (10MBs)

vexillum LAN nervum rj45 cum UTP - VIII cable.

LUX– Lux sensorem (II pin) – optional lux level sensorem alternando cum externis Front Panel

I- GND/Ground/0V

II– Photo Transistor + (aut alia lux sensitiva sensorem PhotoDiode , Photo Resistor) ADC IN IX (optional sensorem in ERM tabula aut external Front Panel)

Tempero– Temperature sensorem (III pin) – optional temperies sensorem alternando cum externis Front Panel (MCP9701 , MCP9700)

I- III , 3V temperies sensorem potentia copia

II- ADC IN VIII (optional temperies sensorem in ERM tabula seu externo Front Panel)

III- GND/Ground/0V

DIMMERS- outputs PWM (V pin) pro directo coegi opto - copulat (III.3V/10mA) of Potentia Coegi

I- PWM I (PWM obscurius non.I aut Rubrum pro RGB dimmers in TTL vexillum) III.3V/10mA (nam directam transmittentes diode of opto - isolator- ANODE)

II- PWM II (PWM obscurius non.II aut Gren pro RGB dimmers in TTL vexillum) III.3V/10mA (nam directam transmittentes diode of opto - isolator- ANODE)

III- PWM III (PWM obscurius non.III aut Puteulanus pro RGB dimmers in TTL vexillum) III.3V/10mA (nam directam transmittentes diode of opto - isolator- ANODE)

IV- GND/Ground/0V - Cathodes prodendae diodes deoptoisolators nam virtus coegi *

V- XII VDC potentia copia (potenti/output 100mA) *

*Posse, EthernetRoomManager a obscurius potentia Coegi (EXSERO alia potestas copia iunctio (XII VDC) persuadeas valde bona grounding desingulis ad inventiones praesertim cum Ethernet iter itineris.

LAXAMENTUMSlote – Non annecto ad inventiones

III.II .EthernetHeatManager - PRAEFURNIUM Room Centralis et Heat controller

EthernetHeatManager est per se continetur controller ut curo:

- omnes contentis PRAEFURNIUM cella ,
- central calor system ,
- VENTILATIO ,
- RECUPERATIO aer pertractatio systemata.

INVENTUM potest refrenare per senilis calefactio et refrigerante installation et una cum usu liberi et chip virtute eorum principia serio reducit costs calefaciendi et refrigerandum , quae faciunt possibile refundere cost agis installation in I - III annis.

Du maximos functionality EthernetHeatManager potest adoptare ad aliquod maximos functionality EthernetHeatManager potest adoptare ad aliquod.

Mainsunt functiones:

- PRAEFURNIUM (Violentiam tale) SED/off Control , disable fuel copia coegi , disable potentia , dominari fuel auxilium ab eHouse.
- Ignium Festorum cum aqua Jacket et/vel Hot Air Distribution (HAD) system , aqua sentines , auxiliaris fans , HAD CERAULA control ,
- VENTILATIO et RECUPERATIO suscipio pro AMALVA REGO HV400 aut compatitur C1 controller (proficiebat imperium super aedificaret in RS232 interface) ,
- Ground calor commutationem (GHE) fan ,
- Aqua Calefacientis/frigidior Thracam Pump pro VENTILATIO ,
- Auxiliaris fan imperium RECUPERATIO sustentationem ,
- Basic control de aliis recuperatorem type (De/OFF Mobilitate I , Celeritate II , Celeritate III bypass calor exchanger , auxiliaris fans , aqua frigidior Thracam , calefacientis , GHE , aer deriver.
- Containereservomotor Air Deriver/GHE.
- Aqua calefacientis (nam calefactio aëri inflato usque ad discubitus , tempero electrica arborvias cutout pro adjusting aeris temperies).
- Hotaqua quiddam procuratio pro central calefactio, et aqua calida installation , Indicator calidae level ,
- Solarem System (moderantum aqua laoreet mollis) ,
- Turbato per metum Indicatores super temperies: PRAEFURNIUM , pyram , Solaris systematis.

MODERATOR mensura et controlling sequenti temperaturis:

- Aqua Jacket de pyram (I) - pro laoreet mollis control ,
- Aqua Jacket de pyram (II) (tergum sursum sensorem) ,
- Ignium Festorum convection (calidum aerem temperies pro HAD ratio) ,
- PRAEFURNIUM aqua Jacket (nam laoreet mollis Imperium) ,
- Hotaqua quiddam capitis (XC % altitudinis) ,
- Hotaqua quiddam medium (L % altitudinis) ,
- Hotaqua quiddam fundo (X % altitudinis) ,
- Aqua in solare systema (nam laoreet mollis Imperium) ,
- Air Deriver exterior aer temperies pro VENTILATIO ,
- GHE aeris temperies pro VENTILATIO ,
- Supple Aeris pro recuperatorem temperies (Clean) ,
- DEFETIGO aer ex domus temperies (IMBUBINO) ,
- Recuperatorem output aeris temperies - frusta receptacula (Clean) ,
- Hotaer post aqua calefacientis pro controlling electrica tribus modis cutout quia siccus adjustments ,

III.II.I.EthernetHeatManager Outputs.

III REPRÆSENTATIO - Status pyram (pro statu lucernæ) viridi/Yellow/Rubrum

Lucernæ iunctura Dependet temperaturis aquæ Jacket et convection.

T_{jacket} - mensura aquæ Jacket temperies (duplicetur)

T_{conv} - mensura convection temperies supra pyram

Omnes verto off - $T_{\text{conv}} < \text{“ Conv. Off ”} * , \text{ et } T_{\text{jacket}} < \text{“ Red ”} * .$

Viridi Twynglinge - Inanis pyram aut arescet ($T_{\text{jacket}} < \text{“ Viridis ”} *$) Et ($\text{“ Conv. Off ”} * < T_{\text{conv}} < \text{“ Conv. Sc ”} *$)

Viridi continua - $\text{“ Viridis ”} * < T_{\text{jacket}} < \text{“ Yellow ”} * - \text{“ Margin ”} *$

Viridi et Yellow - $\text{“ Yellow ”} * - \text{“ Margin ”} * < T_{\text{jacket}} < \text{“ Yellow ”} * + \text{“ Margin ”} *$

Yellow - $\text{“ Yellow ”} * + \text{“ Margin ”} * < T_{\text{jacket}} < \text{“ Red ”} * - \text{“ Margin ”} *$

Yellow et Red - $\text{“ Red ”} * - \text{“ Margin ”} * < T_{\text{jacket}} < \text{“ Red ”} * + \text{“ Margin ”} *$

Red - $\text{“ Red ”} * + \text{“ Margin ”} * < T_{\text{jacket}} < \text{“ Turbato per metum ”} *$

Red Twynglinge - $T_{\text{jacket}} > \text{“ Turbato per metum ”} *$

Ignium Fistorum Aqua Pump (inter pyram aquæ Jacket, et aqua calida quiddam).

$T_{\text{jacket}} = \text{Average } (T_{\text{Jacket I et } T_{\text{Jacket II}})$ mensura

$T_{\text{conv}} = \text{Dimensio convection temperies supra pyram}$

$T_{\text{jacket}} > \text{“ Ignium Fistorum Pump ”} * \text{ Et } T_{\text{conv}} > \text{“ Conv. off ”} * \text{ (Pyram est calefaciens) (Pump sc)}$

$T_{\text{jacket}} < \text{“ Ignium Fistorum Pump ”} * - \text{“ Margin ”} * \text{ (Pump Off)}$

PRAEFURNIUM Aqua Pump (inter PRAEFURNIUM aquæ Jacket, et aqua calida quiddam)

$T_{\text{boiler}} > \text{“ PRAEFURNIUM Pump ”} * \text{ (Pump sc)}$

$T_{\text{boiler}} < \text{“ PRAEFURNIUM Pump ”} * - \text{“ Margin ”} * \text{ (Pump Off)}$

PRAEFURNIUM SED/OFF regulatae per Temperature ex aqua calida quiddam.

Tbm - Mensura temperies quiddam medium

$T_{\text{bm}} > \text{“ Min T ”} * \text{ (PRAEFURNIUM OFF)}$

$T_{\text{bm}} < \text{“ Min T ”} * - \text{“ Margin ”} * \text{ Et solaris off pyram off (PRAEFURNIUM SED)}$

Recuperatorem (VENTILATIO SED/OFF).

COLOR - mensurata per sensorem pro Central CALEFACTIO Internum Room Temperature

$\text{COLOR} > \text{“ T postulatatum ”} * \text{ (CALEFACTIO Modus - Saevire OFF manual, plena auto modus) ,}$

COLOR<“ T postulatorum ” * - “ Margin ” * (CALEFACTIOmodus - Erumpo SED manual, plena auto modus) ,

COLOR>“ T postulatorum ” * (Refrigerant Modus - Erumpo SED manual, plena auto modus) ,

COLOR<“ T postulatorum ” * - “ Margin ” * (RefrigerantModus - Saevire OFF manual, plena auto modus).

Recuperatorem(Level I/Level II/Level III).

DESPENSATIOVENTILATIO Level manually aut ex Scheduler.

AquaCalefacientis Pump (inter quiddam et calefacientis).

COLOR- mensurata per sensorem pro Central CALEFACTIO Internum Room Temperature

COLOR< T postulatorum * - Margin * (CALEFACTIO modus - Sentines SED)

COLOR> T postulatorum * (Pump OFF)

(*)Aqua calefacientis/frigidior Thracam Pump pro GHE.

Sentinesconversus est, dum VENTILATIO , RECUPERATIO via GHE currit etadditional inveniantur condiciones quae:

- Manualmodus (“ Frigidior Thracam/calefacientis ” * Optionem positus est activaprogramma HeatManager.
- FullAuto modus automatice eligitur si indigebat aut adipisci inerat industriasavings.
- ABSOLUTUSVENTILATIO automatice eligitur si indigebat aut adipisci inerat industriasavings.

Tresvias cutout control (+) (inter Hot Aqua quiddam et aqua calefacientis).

Theat- Mensus temperies Air post Aqua calefacientis.

Theat>“ T calefacientis ” * (Off)

Theat<” T calefacientis ” * - ” Margin ” * (Temporariade aliis) durante VENTILATIO calefaciendo modus.

Tresvias cutout control (-) (Inter Hot Aqua quiddam et aqua calefacientis).

Theat- Mensus temperies Air post Aqua calefacientis.

Theat>“ T calefacientis ” * (Temporaria de aliis) duranteVENTILATIO calefaciendo modus.

Theat<“ T calefacientis ” * - “ T Hist ” * (OFF)

Praecipuaapproximationem algorithm erat implemented dominandi motus temporelectrica cutout ut custodiant calefacientis temperies in desideravit level pendentessin aqua calida quiddam temperies , Delta caliditas, et sic in.

SolaremSystem Aqua Pump (inter solare systema, et aqua calida quiddam).

TSolarem (secundum)>” T Solarem ” * (SED) ,

$T_{Solarem} (secundum) < T_{Solarem} \cdot \text{Margin} \cdot (\text{OFF})$,

PRAEFURNIUM Potentia (De/Off).

Canadhibeantur conversus potestatem PRAEFURNIUM in aestate , etc.

PRAEFURNIUM disabling fuel copia coegi (De/Off).

Fuel copia coegi potest exterius tardaverat HeatManager e.g. pro micoomnem ex fuel in PRAEFURNIUM igne mitte. Praesertim pro solidum fuelsagitet.

EXPLODOfuel copia coegi (De/Off).

Fuel copia coegi potest exterius overridden a HeatManager e.g. pro onere fuel primo tempore vel post mico ex. Praesertim pro solidum fuelsagitet.

Ignium Festorum Hot Air Distribution CERAULA (HAD System)

$T_{conv} = \text{Mensus temperies valorem convection supra pyram.}$

$T_{conv} > \text{Conv.Sc} \cdot (\text{De})$,

$T_{conv} < \text{Conv.Off} \cdot (\text{Off})$.

HotAqua quiddam status.

T_{bd}, T_{bm}, T_{bt} - Mensus temperaturis of quiddam respective (descendit , medius , vertice).

$T_{bd} > T_{quiddam min} \cdot (\text{Continua luminatione})$

$T_{average quiddam} > C \% \text{ Brevi tempore off conferendo tempore super.}$

$T_{average quiddam} < C \% \text{ Proportionalis ad off tempus.}$

$TIME_ON = 0, II \text{ sec et } TIME_OFF (T_{bt} + T_{bm}) / II \text{ inferior tunc XLV C - non sufficit pro calefactio aqua.}$

$TIME_ON = TIME_OFF 0, II \text{ sec } (T_{bt}) < T_{calefacientis} \cdot V C \text{ nonsufficiens caliditas, quia calefactio (water calefacientis copia).}$

PRAEFURNIUM Turbato per metum.

$TPRAEFURNIUM \text{ mensus} > T_{terror} \cdot (\text{De})$

$TPRAEFURNIUM \text{ mensus} < T_{terror} \cdot (\text{Off})$

*uti nominando a " eHouse.exe " application parametris.

III.II.II.EthernetHeatManager Events.

EthernetHeatManagerest dedicata, moderatorem calefactio , refrigerandum , VENTILATIO operantem inplures modos.In aliis ut perficio plenus functionality cum minimal humanainteraction , dedicavit paro of eventus definitum est , ad faciendum omne suumfunctiones.Potest currere manually aut ex proficiebat Scheduler (CCXLVIIIpositionum) aedificaret in EthernetHeatManager sicut in aliis cogitationibus eHousesystem.

Eventsde EthernetHeatManager:

- PRAEFURNIUMSc (Manual PRAEFURNIUM sc - Calor parametris adhuc monitored , sicsi nulla est consuetudinis PRAEFURNIUM erit verto off paulo) ,
- PRAEFURNIUMOff (Manual PRAEFURNIUM Off - Calor parametris adhuc monitored ,si opus fuerit consuetudine verto PRAEFURNIUMpaulo) ,
- DisableFuel Supple coegi (Nam solidum fuel boilers) ,
- EnableFuel Supple coegi (- - - - - || - - - - -) ,
- EXPLODOFuel Supple coegi SED (- - - - - || - - - - -) ,
- EXPLODOFuel Supple ABIGO (- - - - - || - - - - -) ,
- VENTILATIOSED (VENTILATIO , Recuperatorem SED) ,
- VENTILATIOOFF (Verto off VENTILATIO , Recuperatorem , et omnes auxiliarisadinventionum) ,
- CALEFACTIOMax (Statuens in max temperies electrica tribus modiscutout pro aquae calefacientis) ,
- CALEFACTIOMin (Statuens in min temperies electrica tribus modiscutout pro aquae calefacientis et converte detergebat laoreet mollis) ,
- CALEFACTIO+ (Manual crescens positio tripliciter cutout pro aquaealefacientis) ,
- CALEFACTIO - (Manual decrescebant positio tripliciter cutout pro aquaealefacientis) ,
- Convertiminiin PRAEFURNIUM Pump (Manual volvitur in laoreet mollis enim PRAEFURNIUM enim a dum) ,
- Convertimioff PRAEFURNIUM Pump (Manual verto off laoreet mollis enim PRAEFURNIUM) ,
- Convertiminiin Ignium Festorum Pump (Manual volvitur in laoreet mollis enim pyram enim a dum) ,
- Convertimioff pyram laoreet mollis (Manual verto off laoreet mollis enim pyram) ,
- CalefacientisPump SED (Manual conversio in laoreet mollis enim calefacientis) ,
- CalefacientisSentines OFF (Manual verto off laoreet mollis enim calefacientis) ,
- ResetTurbato per metum PRAEFURNIUM MULTATIO (Reset Turbato per metum occurro pro ritus of PRAEFURNIUMab ultimo expurget) ,
- ResetTurbato per metum Loading (Reset Turbato per metum occurro pro ritus of PRAEFURNIUM aultimum fuel loading) ,
- Convertiminiin PRAEFURNIUM potentia Supple (Manual invicem PRAEFURNIUM potentia Supple) ,
- Convertimioff PRAEFURNIUM potentia Supple (Manual verto off PRAEFURNIUM potentia Supple) ,
- PWMI * + (Crescite, aequabis PWM I output) ,
- PWMII * + (Crescite, aequabis PWM II output) ,
- PWMI * + (Crescite, aequabis PWM III output) ,
- PWMI * - (Minui aequabis PWM I output) ,
- PWMII * - (Minui aequabis PWM II output) ,
- PWMI * - (Minui aequabis PWM III output) ,
- Faciteprogressio mutatio (max XXIV , omnes parametri HeatManager modum ettemperies campester , potest programmed individualiter in singulisprogressio).

*PWM potest refrenare additional fans DC aut aliis machinulis regulatae per(Legumina width modulantur input).Additional potentia auriga requiriturcum opto - sequestrationis.

DedicatedRecuperatorem Events (AMALVA REGO - CD) vel (*)

- RecuperatoremDesine (*) (Off) ,
- RecuperatoremIncipit (*) (de) ,
- RecuperatoremAestate (*) (Disable Heat Exchange) ,
- RecuperatoremHiems (*) (Enable Heat Exchange) ,
- RecuperatoremAuto (Automatic modus recuperatorem - usura interno occasuset Scheduler de recuperatorem) ,
- RecuperatoremManual (Manual modus - Recuperatorem controlatae exterius per **HeatManager**) ,
- RecuperatoremT.Internum XV C (T petitur camera pro installed additionaltemperies sensorem ad

- recuperatorem),
- RecuperatoremT.Internum XVI C ,
 - RecuperatoremT.Internum XVII C ,
 - RecuperatoremT.Internum XVIII C ,
 - RecuperatoremT.Internum XIX C ,
 - RecuperatoremT.Internum XX C ,
 - RecuperatoremT.Internum XXI C ,
 - RecuperatoremT.Internum XXII C ,
 - RecuperatoremT.Internum XXIII C ,
 - RecuperatoremT.Internum XXIV C ,
 - RecuperatoremT.Internum XXV C ,
 - RecuperatoremLevel I (*) (minimal) ,
 - RecuperatoremLevel II (*) (Medius) ,
 - RecuperatoremLevel III (*) (maxima) ,
 - Recuperatorem0 gradus () (off) ,
 - RecuperatoremT.Out 0 C (Statuens in temperie frustra Conclavia quae eritregulatae per conversus in quod off interno Rotor Heat Exchangeret interna Electric calefacientis si wasn't disabled autdisiungitur)
 - RecuperatoremT.Out I C ,
 - RecuperatoremT.Out II C ,
 - RecuperatoremT.Out III C ,
 - RecuperatoremT.Out IV C ,
 - RecuperatoremT.Out V C ,
 - RecuperatoremT.Out VI C ,
 - RecuperatoremT.Out VII C ,
 - RecuperatoremT.Out VIII C ,
 - RecuperatoremT.Out IX C ,
 - RecuperatoremT.Out X C ,
 - RecuperatoremT.Out XI C ,
 - RecuperatoremT.Out XII C ,
 - RecuperatoremT.Out XIII C ,
 - RecuperatoremT.Out XIV C ,
 - RecuperatoremT.Out XV C ,
 - RecuperatoremT.Out XVI C ,
 - RecuperatoremT.Out XVII C ,
 - RecuperatoremT.Out XVIII C ,
 - RecuperatoremT.Out XIX C ,
 - RecuperatoremT.Out XX C ,
 - RecuperatoremT.Out XXI C ,
 - RecuperatoremT.Out XXII C ,
 - RecuperatoremT.Out XXIII C ,
 - RecuperatoremT.Out XXIV C ,
 - RecuperatoremT.Out XXV C ,
 - RecuperatoremT.Out XXVI C ,
 - RecuperatoremT.Out XXVII C ,
 - RecuperatoremT.Out XXVIII C ,
 - RecuperatoremT.Out XXIX C ,
 - RecuperatoremT.Out XXX C .

(*)Directo moderamine recuperatorem may postulo intercessionem in internasambitum recuperatorem (directam connexionem ad fans , bypass , MaturateTrafo , etc.

iSyscum iste modus non competit quae in injuriasoperis.

RecuperatoremAmalva postulo cable nexu HeatManager extensionem socors (UART2)ad serial portum aedificavit - in in REGO tabula.

Propriogrounding oportet creari pro utriusque adinventiones protectione.

EthernetHeatManagerfulcit XXIV progressio pro incommitata opus.Singulis progressio consistittemperies campester , VENTILATIO , RECUPERATIO modos .EthernetHeatManager automatically adjust calefaciendi et VENTILATIOparametris obtinere desideravit temperies in plerisque oeconomicae via.Omnespumps ipso facto sunt verto in/off magna programed campester oftemperaturis.

Programspotest currere manually a “ eHouse ” application vel runautomatically a proficiebat Scheduler admissa quidem temporum , mensis ,tempus , etc adjustments pro controlling central calefactio ratio quodVENTILATIO.

III.II.III. VENTILATIO , RECUPERATIO , calefactio ,refrigerationem modos.

HotAir Distribution a pyram (HAD) - Est verto in automaticallyrefrigerationem caloris et independenter ab aliis conditionibus , sipyam est calefaciendi et hanc optionem est activum pro current programmaHeatManager.

ManualModus - Singulis parametris: VENTILATIO , RECUPERATIO , calefactio ,refrigerandum , sunt Morbi id dictum manually in progressio occasus (VENTILATIO level ,refrigerandum , calefactio , recuperatorem calor exchanger , terram calor exchanger ,temperies calefactio , temperies rogatur.

Incasu lineatur interno cella temperies durante calefactio -VENTILATIO , calefactio RECUPERATIO , et auxiliares functio retardatiresumere quando interior cella temperies stillæ infra valorem “ Tquaesito ” * - “ Margin ” * .

FullAuto Modus - Requiritur campester of VENTILATIO et calefacientis temperaturiissunt Morbi id dictum in progressio occasus.Omnibus aliis occasus adaptanturautomatically ad retinendam postulavit temperies in cella , per calefactionemneque frigefaciendo sentiunt.Durante calefactio , HeatManager servat calefacientis temperies inprogrammed level , adjusting electrica tribus modis cutout.HeatManagerservatque inquisita attigi, cum ad infimum sumptibus usus navitas ,automatically switching in quod off auxiliaris adinventiones sicut fans , humuscalor exchanger , frigidior Thracam , calefacientis.In casu lineatur rogaturtemperies VENTILATIO , calefactio et omnes auxiliaris adinventiones sistit .VENTILATIO , RECUPERATIO , calefactio instauratur quando interior cellatemperies stillæ infra “ T quaesito ” * - “ Margin ”*.

Inrefrigerandum modus in casu stilla interno cella temperies infra “ Tquaesito ” * - “ Margin ” * VENTILATIO ,RECUPERATIO , refrigerationem et auxiliares adinventiones obturatio tam.Eorum suntresumitur quando temperies lineatur “ T quaesito ” * Valorem.

ABSOLUTUSVENTILATIO Modus. Sine condicione VENTILATIO modus sumitur formaplenus auto modus - cum interruptum VENTILATIO et RECUPERATIO .VENTILATIO , RECUPERATIO operatur omnia tempus tuendasque internocella temperies in desideravit level.In casu interno cellatemperies lineatur durante calefactio modus , aut stillabunt infra duranterefrigerationem modus calefacientis , frigidior Thracam , VENTILATIO , auxiliaris adinventiones sunt positaad navitas saving modus , et VENTILATIO ictibus mundatis aer cum optimaltemperies proxime aequalis T postulavit in cubiculo.Externumtemperaturis considerantur , ut augeat efficientiam system.

HeatManagerModule paxillos location.

COPULATRIXJ4 - Analog inputs (IDC - XX) pro directam temperies sensoriis(LM335)

SensorePin J4 Description temperies sensorem

Ground- GND (0V) I Commune pin pro connectens omnes LM335temperies sensoriis

Ground- GND (0V) II Commune pin pro connectens omnes LM335temperies sensoriis

ADC_Buffer_Middle III L %altitudo ex aqua calida quiddam (nam moderantum calefactio processus)

ADC_External_N IV ExternumNorth Temperature.

ADC_External_S V ExternumSouth Temperature.

ADC_Solar VI Solaremsystem (punctum supremum).

ADC_Buffer_TopVII XC % altitudo ex aqua calida quiddam (nam moderantum calefactio processus).

ADC_Boiler VIII AquaJacket de PRAEFURNIUM - output fistula (nam controlling PRAEFURNIUM laoreet mollis).

ADC_GHE IX GroundCalor Exchanger (Controlat GHE in Plenus Auto

autsine condicione VENTILATIO modos)

ADC_Buffer_Bottom X X %altitudo ex aqua calida quiddam (nam moderantum calefactio processus)

ADC_Bonfire_Jacket XI AquaJacket de pyram I (potest esse output fistula)

ADC_Recu_Input XII recuperatoreminput aere puro

ADC_Bonfire_ConvectionXIII Supra pyram (pauci cm a fumario fistula)

(Usedpro Hot Air Distribution et pyram competit)

ADC_Recu_Out XIV recuperatoremForis (praebendorum domus in clara aeris)

ADC_Bonfire_JacketII XV Aqua Jacket de pyram II (potest esse output fistula)

ADC_Heater XVI Locatedcirca I metrum in aere post Aqua calefacientis (nam adjusting calefacientis

attigi, cum electrica tribus modis cutout)

ADC_Internal XVII intestinae,Room temperies pro reference (frigidissimis cella)

ADC_Recu_Exhaust XVIII Airexhaustis de domo (locus in aere spiraculo ductusaccessorius)

VCC(V V - confirmatae) XIX VCC (output V V a nauigiis in stabilitorque) pro posse, Analog
sensoriis(Ne annecto)

VCC(V V - confirmatae) XX VCC (output V V a nauigiis in stabilitorque) pro posse, Analog
sensoriis(Ne annecto)

REPRAESENTONominare FORIS NR Description**Nr Pin****Nullam J5**

Bonfire_Pump I III Ignium Festorumaqua laoreet mollis nexu

Heating_plus IIIV electrica tribus modis cutout control + (crescens tempero)

Heating_minus IIIV electrica tribus modis cutout control - (Decrescebant tempero)

Boiler_Power IV VI Tractumde PRAEFURNIUM potentia copia

Fuel_supply_Control_Enable V VII Disablefuel copia coegi

Heater_Pump VI VIII Aquacalefacientis laoreet mollis nexu

Fuel_supply_Override VII IX SUMMUSimperium of fuel copia coegi

Boiler_Pump VIII X PRAEFURNIUMaqua laoreet mollis

FAN_HAD IX XI Hotaer distributio ex pyram (fan connexionem)

FAN_AUX_RecuX XII Additional auxiliaris fan pro recuperatorem (ut augeatefficientiam VENTILATIO)

FAN_Bonfire XI XIII auxiliarisfan pro pyram (si gravitatis siccitatis non est sufficiens)

Bypass_HE_Yes XII XIV recuperatoremcalor exchanger off (vel bypassed positio servomotor)

Recu_Power_On XIII XV recuperatoremopotestatem in pro directo moderamine recuperatorem.

Cooler_Heater_Pump XIV XVI Aquacalefacientis/frigidior Thracam laoreet mollis nexu VENTILATIO via humuscalor exchanger.

FAN_GHE XV XVII auxiliarisfan augmentationis et aer flow via humus calor exchanger.

Boiler_On XVI XVIII ToPRAEFURNIUM controlling input (in/off).

Solar_Pump XVII XIX Solaremsystem aqua laoreet mollis.

Bypass_HE_No XVIII XX recuperatoremcalor exchanger in (necne bypassed positio servomotor).

Servomotor_Recu_GHE XIX XXI Airpro VENTILATIO auferetur ab humus calor exchanger.

Servomotor_Recu_Deriver XX XXII Airpro VENTILATIO auferetur ab deriver.

WENT_Fan_GHE XXI XXIII auxiliarisfan pro humus calor exchanger II.

III.III.Nullam Module.

CURSUS PUBLICIModule enables directam switch super/off exsecutiva ad inventiones cum aedificaret intransmittit (cum contactus 230V/10a).Inductiva onere can't coniuncta essecontactibus nisi low potentia pumps , fans.Maximalia amount of installedtransmittit est XXXV.Finalis comitis Dependet module type.

Controller Usedcomes transmittit

EthernetHeatManager XXIV - XXXV

EthernetRoomManager XXIV - XXXV

CommManager XXXV* II

TransmittitModule enables facilis installation of eHouse potentia buses.Potentia bus(III * II.5mm2 electrica cable) est ironed ad module pro limitationemcontact resistantia et demonstrant diuturna et propriam operationemsystem.Alioquin voltage guttae , potest causare cohibentem potentiam effectivamcopia et insufficiens valorem ut switch transmittit praesertim post paucosannos laborantes,.

230Vcables debet ironed directe ad PCB (to contactus transmittit) inordinem certificare diuturna et proprium officium system , liber ascintillans , brevis resistantia contactibus.In casu lifeiunctio scintillans et magnam, contactum resistantia potuit causareardens semitas in module , shortcuts et permanens system dampna.Omnesironed cables oportet habere 50cm parce longitudinis ad enable facilis servitiummodule et mutato CURSUS PUBLICI in casu malfunction.

TransmittitModule ut capiat optional potentia coegi of PWM (Arteriam WidthModulantur) Dimmers (usque ad III) , Supplevimus ex XII V ad 15V DC etminimal potentia 50W per output.Id adhiberi possit, pro fluente dimming delux DC (Direct current).Solum 30W lucerna potest esse adiunctum caelibioobscurius output.Assecurando bonum VENTILATIO de module est musti.In casude non sufficit VENTILATIO , fan debet installed, ad vim aerfluere.

Hocconstructio obscurius permittit vitando sterilitatem fulguris__ lucem et humilisquae apparet in triac aut thyristor dimmers sub 230V/AC.

Coegide dimmers potest nisi iunctus ut lucernæ, neque LEDs.Other applicationpotest causare permanentem dampnum systema extendi ignis.

Eamest praesertim de ad inductiva vehes e.g.motoribus , excelsum potentiafans.

CURSUS PUBLICImodulorum potest suffectos uno transmittit pro switch - tabulainstallation.Haec solutio est magis carus tamen pluscomfortable in casu mutatio confractum CURSUS PUBLICI.

III.IV.CommManager - Integrata communication module , GSM , securitatem system , primis ingenti aequanda cylindro procurator , eHouse I server.

CommManager est sui continetur securitatem ratio per GSM (SMS) notificationis et controlare. Is quoque continet aedificavit - in Rollerus Procurator. CommManager continet GSM module pro directo moderamine via SMS , Aliquam. Superaddita continet Ethernet interface pro directo TCP/IP control (super LAN , WiFi aut LURIDUS). Hoc possunt multi - canalis independens communication magna enim domo subsystem - Security System.

GSM/SMS non est obnoxium in sabotage eg. secans telephone lineas dialer pro magna Disposi. GSM signum multo est durius perturbare tunc magna radio - lineas , opus in amateur frequentis facile pervertitis magnis potentia transmitters verto in durante infractionem.

III.IV.I. Main features of CommManager

- Self continetur securitatem ratio per GSM/SMS notificationes , controlata extra magna zone , administrandi per SMS , Aliquam , Ethernet ,
- Permittit connexionem terror sensorii (usque ad XLVIII sine extensione module , usque ad XCVI cum extensione module ,
- Incorporata aedificaret in primis ingenti aequanda cylindro , portas , umbra awnings , ostia agit controller maxXXXV (XXVII *) independens primis ingenti aequanda cylindro servomotors sine extensione module , et usque ad LVI cum extensione module. Singulis primis ingenti aequanda cylindro fabrica regitura II lineas et opera in Somfy normam default. Veldirige servomotor coegi (continens plenus protectiones) potest esse controlatae.
- Continet RS485 interface pro directam connexionem ad eHouse I notitia bus vel aliis Disposi.
- Incorporat Ethernet interface pro directo moderamine (super LAN , WiFi , LURIDUS).
- Continet GSM module Quisque system notificationis et controlling system via SMS.
- Incorporat Aliquam Client POP3 (super GSM/GPRS SOLARIUM ascendit network) , pro controlling system via Aliquam.
- Facere non requirunt solus stare vincula ad interrete et operatur , quocumque sufficiens GSM/GPRS signum level.
- Enables dirige connexio Turbato per metum Horn , Turbato per metum Lucerna , Turbato per metum Cras fabrica.
- Permittit programmable scutulis , portas , ostia operantes parametris: control tempus , motum plenum tempus (maximalia omnium scutulis) , mora tempus (nam directionis mutationem).
- Enables alternative usu outputs sicut unum , vexillum (compatitur RoomManager) , si scutulis system non requiruntur.
- Continet RTC (reale tempus, Clock) pro ad inventiones synchronization et valida Scheduler usu.
- Continet Profectus Scheduler frequens , automatic , servitium , incomitata , programmed in tempore eventus executionem ,
- Incorporat TCP/IP server pro moderantum ratio per V adjutrice iunctio accipitur. Iunctio est , paria habet prioritas et enables: reportantes utique a TCP/IP ad inventiones morigeratus ad eHouse system , continuat transmittentes non ligna PC system , mittens eHouse I ad inventiones status ad TCP/IP panels vigilantia status et visualization Disposi , assequi per lucidum TCP/IP ad RS CDLXXXV interface , pro oneratisque configuration et seria forsit deprehensio.
- Continet TCP/IP client controlare Ethernet House (eHouse II) ad inventiones directe via TCP/IP network.
- Servers cliente , ac utitur securus logging et authenticas declarandas inter TCP/IP eHouse system ad inventiones.
- Enable eHouse I system ad inventiones control et distribuens notitia inter eos.
- Enables statuantes requiritur logging level (informationes , monitionem , errores) pro absolvendis ullis problems in systemate.
- Continet software et hardware WDT (Vigilate Dog Timer) ad reset fabrica in casu de suspendat , aut gravibus erroribus.
- Continet III coetibus SMS notificatio a Security System:

I) Mutare Zonam notificatio group ,

II)Active sensorem notificatio group ,

III)Turbato per metum Deactivation notificatio group.

- QuilibetTurbato per metum signum leo potest esse singillatim programmed (Turbato per metum cornu ,Monitum lux , magna , EarlyWarning).
- Fulcit XXIsecuritatem zonas.
- FulcitIV level larva singillatim definitur pro singulis activated Turbato per metum sensorem et singula securitatem zone.

I)Turbato per metum Horn verto in (A) ,

II)Turbato per metum Lumen invicem (W) ,

III)Vigilantia output invicem (M) ,

IV)Duc eventus associatur Turbato per metum sensorem (E).

- ContinetXVI alveo Analog ad Digital Converter (resolutio 10b) promensurae Analog significationibus (voltage , Temperature , lux , ventus potentia ,humiditas valorem , Sabotage Turbato per metum sensoriis.Duo limen definiunturMin et Max.Transgressus haec limina per sensorem pro singulis canalis canlaunch eHouse eventus eam assignetur sibi).Limina es unquedefinitur in singulis ADC Progressio ad retinendam automatic adjustments etregulandam.ADC continet (potest enabled) XVI outputs pro directocontrol per ACD sine eventus assignari limen.
- CommManagercontinet XXIV ADC progressio pro individuum limina definitiones pro singulis canalis.
- CommManagercontinet XXIV Cylindris Program Definition (quisque scutulis , portas , ostiatempero simul cum securitate zone Selectionem).
- ContinetL positio queue rerum ad currendam localiter vel mittere ad aliis machinulis.

III.IV.II.CommManager Description

GSM/ GPRS Module.

CommManager(CM), contineant aedificavit in GSM/GPRS module enabling wireless remotaimperium of eHouse I aut EthernetHouse system via SMS finis Aliquamreceptionem.E - Mail client confirmat cyclic tenendo de POP3 stipes officiuminitiavit eHouse system usura GSM/GPRS horologio Ahaz - ascendit servitium .Control range est practically incircumscripti et, potest fieri ex aliquo locoubi est sufficiens GSM signum level.

Hoc solutio enables securus imperium of eHouse system et recipientinotificatio de securitate system.Dedicated link to interrete ,telephonium lineas non requiruntur est et difficilis acquiritur in novum Aedificavitdomos , praesertim longe ab urbe.

Securityest multo maior debetur wireless nexu et non est possibilitasad damnum aut sabotage nectunt (ut pro telephones , dialers , interreteobvius , etc).Dampna communicationis lineas potest esse fortuitae (ventus ,tempestas conditio , furti) seu propositi (sabotage ut disable Controlatsystematis , et notificatio securitatis ratio ut vigilantia ,securitatem propellente , vigilum , patri familias.

Emendandocarminum potest multum temporis , quae facit securitatem system multo magisvulnerable oppugnationibus quod disable mittens notificationes cuiquamcirca ortum in.Cras radio - lineas officina in amateur frequentiiiset specialioribus fures conturbabit eos in potentiortransmitters durante infractionem , ad lucrandum additional tempus.GSM multo estdifficilis magis ad disable et facit installation longe a civitatibus ,practically aliquo tempore (ante questus oratio domus , facienstelephonium vel alia connexionem ad novum aedificavit domum).Satis sint,GSM signum level requiritur inaugurationi huius systemata.

GSMmodule continet external antenna quae potest installed in locum ,ubi GSM signum fortissimum est (e.g.super

nectum).In hoc casu GSMmodule potest minimize transmissio potentia durante normalis opus adcomplebo nexu.Potentia margine satis est qui repugnetmoderatas propagationem micro - fluctibus: tempestatibus conditio , pluvia ,nix , caligo , arboribusque comae etc.GSM signum level variari potestannis debetur nova fabrica oritur , lignorum germinantium, etc.Ex alteramanu maior est signum coaequabimus minus retorquendam generatur abGSM module et antenna.Imprimis est maximus pro aedificavit - in ADCconverter , quia in pessimum casibus mensurae potest clodum cumpauci duodecim hominum Horribilium percent errores , qui facit ea inutile.Antennainstallation extra aedificium in directionem ad proxima GSM basistation potest crescere signum level centeni temporibus quid proportionalitercrescit potentia marginem GSM transmissio , limites emissio potestatemGSM transmissionem et iactatione (errores) of aedificavit - in ADC mensurae(Et Analog sensoriis sita prope antenna).

GSMmodule requirere activa Sim card installation et tenendo , si nonexpired aut inanis (in casu PROMUTUUS activations).Si card est expletiaut vacua , varias illas quaestiones apparere potest:

- problemscum emissione SMS (praesertim pro aliis operators) ,
- nequeatannecto GPRS sessions , etc.
- tentoriumascendit GSM modulorum ,
- etmutare potest in tempore et dependent operators options , tariffs).

MittensSMS aut obtinendi Aliquam via GSM/GPRS module longissima est, (VI - XXX sec)et continuus defecerunt retries (causatur ab inertior GPRS servitium, velvim parum virium in Sim card) , adfert magna CPU usuCommManager , efficientiam stillae pro aliquo alio functiones et decrescitstabilitatem totum securitatem system.

GSMconfiguration fit per " CommManagerCfg.exe "application , quod sino intuitiva occasum omnis optio etparametris hoc enim module.GSM Module options sunt in tribus primistabs.

I)Generalis ,

II)SMS Occasus ,

III)Aliquam Occasus.

ReportLevel lets eligere campester of loggingmittens ad stipes grabber application (TCPLogger.exe) vel ad RS - CDLXXXV.Eamcertiorem CommManager quae log info debet mittere (info , monitis ,errores).Est utilis ad deprehensio et problemata solvenda (eg.nonresources in Sim Card , Non GSM CLASSICUM , etc nosque curemus et aliquando actionem adrefice eam).Enim Report Level = I aliquid misit ad stipes grabber.Hocoptionem solummodo debent uti deprehendere gravis , ignotum problems insystem.hanc optionem serio utilitas CommManager CPU et afficiuntstabilitate et system efficientiam.

Ingrandior numerum in Report Level agro , minus informationes eritmittere (solum cum superioribus prioritate quam fama Level).

Incasu habemus induimus non indigent generandi logs 0, eligi debeat hic.

DisableUART logging. Hanc optionem disablemittens logs ad RS - CDLXXXV UART.Quando hanc optionem est subversum est tantumTCP/IP logging potest mittere , post connexionem TCP/IP Log grabberapplication (TCPLogger.exe) ad CommManager.Tamen in casuCommManager Reset TCPLogger.exe est divisus et log informationesad proximam connexio log grabber ad CommManager amittetur.

EnablingUART logging dat opportunitatem ut stipes informant de omnibus, quos possidet hocparte, quae normaliter amitteretur per TCPLogger.

Hoclogging modus solummodo debent uti solvere gravissima problemate (quaeapparebit in ipso principio firmware executionis) et TCP/IPcommunicatio forsit.

Mainincommodum UART logging est continuum mittendis ad RS - CDLXXXV etadhibendis ratio facundia , non materiae, si log grabber est iunctus autnon (nam TCP/IP logging logs notitia mittuntur solum quando TCPLogercontinuat Server).

In alia fors it est ut UART logs sunt mitto ad eHouse I Data Bus ,utilitas huius connexionis et generare aliqua traffic , mittens informationes repugnat ad eHouse I machina condendis opera dabatur et potest perturbare ad inventiones operari proprie. In aliis hac uti logging modus omneseHouse I ad inventiones debet disiungitur , per amotio RS - CDLXXXV transitum funem annecto via non occursu suo (I ad I) ad RS232 - CDLXXXV Converter .RS232 - CDLXXXV Converter debet iunctus ut ulla terminales application sicuthyper terminales opus in (CXV)CC , etiam paritatem , I sistenda frenum , non fluuntcontrolare. In casu connexionem TCPLoger RS - CDLXXXV logging instillat uret dirigitur ad TCP/IP grabber.

DisableGSM Module. Hoc optionem enables permanentem disable omnium functionum de GSM/GPRS module si non est installed.

Tamen tempus CommManager et omnes eHouse ad inventiones sumitur ex GSMModule , ita potuit quorundam soluenda functionality ut usu cedulas (debitum ad invalidum balanum quod vicis in systemate). Doctrinaliter tempus possit esse exterius programmed a CommManagerCfg.exe application , sed voluntas esse reset simul cum Reset de CommManager a ulla ratione.

GSMModule phone numerus ager must consistit valet mobile phone numerus (e.g.+48501987654) , quod est ad suesco assuescoa GSM module. Hoc numero est ad suesco assuesco pro potestate et cryptography calculum Disposi , et mutato hunc numerum mos disable possibilitas concessionis TCP/IP ad inventiones ad invicem.

PinCode. Hoc campo oportet consistit valet ACUS numerum (assignari Sim card). In casu posito iniuriam numerus , CommManager automatically priuat Sim card , , multiplicia retries ad statuere nexum. Due ut stationarius system installation est valde commendatur ut disable pin tenendo , quae lucrum in velocitate sursum tempore volvitur in GSM module et logging ad GSM network.

HashingNumbers. Hoc ager consistit additional indicia cryptographic rationes et potestate et expectat XVIII hex digiti (0 , I , II , III , IV , V , VI , VII , VIII , IX , a , b , c , d , e , f) unus et unus sine ulla separators. Post mutare hunc numerum configuration moreretur? esse oneratis singulis EthernetHouse dolos et TCP/IP panels. Usu GSM phone numerus , simul cum hashing numeris sicut pars cryptographic functio argumentis confirmat individuum encryption / decryption algorithms pro singulis eHouse installation. Superaddita can Si necesse est omnes cogitationes mutari.

QualificatoGSM Numbers. Hoc campo - consistit GSM phone numerorum pro ratio procuratio per SMS. Ullus SMS ab aliis numeri automatically dissimulari et deleted.

e.g.: " +48504111111 , +48504222222 "- distingue separari.

ZonamMutare - SMS Notification Numbers. Hoc ager - consistit GSM phone numeri pro mittens SMS notificatio de commutatione securitatem zone una cum zona nomen.

e.g.: " +48504111111 , +48504222222 "- distingue separari.

SensoriisActivation - SMS Notification Numbers. Hoc ager - consistit GSM phone numeri pro mittens SMS notificatio de activa securitatem sensoriis anomen (quod violare terror , monito aut vigilantia in current zone).

e.g.: " +48504111111 , +48504222222 "- distingue separari.

Deactivation- SMS Notification Numbers. Hoc ager - consistit GSM phonenumeri pro mittens SMS notificatio circa terror significationibus deactivationa qualificato users (per mutans securitatem zone).

e.g.: " +48504111111 , +48504222222 "distingue separari.

ZonamMutare putnam. Hoc ager - consistit putnam additumzone nomen pro zona mutatio notificatio group.

Turbato per metumPraepositione. Hoc campo - consistitpraefigunt additae ante activa terror sensorem nomina sensorem activationnotificatio group.

DeactivationTurbato per metum. Hoc campo – continettext misit ad deactivation notificatio group.

DisableSMS Send. Hanc optionem priuatmittens omnes notificatio SMS de securitate system.

DisableSMS Suscipe. Hanc optionem priuatSMS tenendo et receptio pro controlling eHouse system.

POP3Client (Aliquam receptionem)

POP3Client implemented in CommManager consistit plures protectionemechanisms certificare continuus et stabilis opus etiam per variasimpetum in eHouse system.

Incasu deficiendi unum de verificationem step nuntius est deletedimmediate a POP3 server , sine ulteriori reprehendo , downloadinget lectio, nuntius.

Solumemails dedicavit controlare eHouse system (paratum automatically aeHouse compatible procuratio applications) potest totaliter omnem superantmechanisms.

Omnesmechanisms permittit efficiens pugnate cum spam , Oppugnationes , accidentalisemail , etc.

Hocsunt gressus praeoccupatus est ad retinendam effectivo et efficiens continuaoperari , non generare supervacuis traffic super GSM/GPRS , non faciuntcultro POP3 cliens et CommManager.

Verificationemsunt gressus ut sequitur:

- Mittenteoratio necesse est idem esse programmed in eHouse system.
- Total moleex relatum minus esse debere tunc 3KB (hoc eliminate accidentalis mails).
- Subjectcuiusdam nuntii debet esse idem sicut programmed in eHouse system.
- Nuntiusoportet continent valet caput capitis et footer circa eHouse system compatiblenuntius.
- Caput capitiset Pes de interrete provisoribus , additum nuntius corpus per POP3 ,SMTP servientibus ipso facto sunt depellitur.

OmnesPOP3 client parametris quod bene set in CommManagerCfg.exeapplicationem in **Email Occasus** tab.

AcceptedNulla nec velit ager - consistitoratio ex quo moderantum nuntius mos fiant.Quilibetnuntiis ex alia oratio es automatically deleri de POP3server.

POP3Server IP * ager consistit IPoratio POP3 server.DNS oratio non sustinetur.

POP3Port Nr * ager consistit POP3 serverportus.

POP3User Name * ager consistit nomen usorispro logging ut stipes functione (POP3 server).

POP3Password * ager consistit passwordusoris auctores in POP3 server.

NuntiusSubject * ager consistit programedsubiectum valet pro mittens rerum eHouse system via Aliquam.Othersubiectum nuntius faciam automatic deletionem sine ulterioriperagens.

InternetConnection Init * ager consistitpraecipimus pro initialize penitus iunctio in via GSM/GPRS.Enimmaxime operators est praeceptum idem (session , user , password =" interrete ").In casu forsit per connexionem user moreretur?admonerique iussit, per GSM operator hoc enim parametris.

POP3Server Ex String * ager consistitnomen caput capitis ubi mittente oratio Reposita est , in casu problemseventu cohibenda directe in POP3 server usura telnetapplication.

NuntiusHeader * et **NuntiusFooter** * agros - consistunt caput capitis etfooter pro eHouse system.Hoc praesidium est pro exuta automaticcaput capitis et Pes adnexa verba per nuntium POP3 et SMTP servientibuset transmigrabis accidentalis vel quassatas emails .Tantum pars inter eHouse caput capitis et footer agitur sicut eHousenuntius.Reliqua est ignoratum.

DisablePOP3 Server/GPRS * ager priuatconnexionem ad GPRS et cyclic reprehendo pro emails.

Sequentesexitibus et problems (de ad GSM utuntur non ad eHouse systemdirecte) censendus , ante enabling POP3 Client superGPRS:

- Insituationes ubi low campester of GPRS signum sit deprehensa transmissio sit impossibile et pro ratio efficientiae et stabilitatem GPRSpatrocinium permanenter disabled.Poterat etiam accidereseasonally.
- Aliquamreceptionem super GPRS session serio utilitas CommManagerMicrocontroller.
- DumGPRS session est in profectu (in mobile phone aut GSM modulorum) ,operator non mittat SMS ad target machina (quae manserit in ExspectoQueue donec GPRS session claudentur) et SMS pervenire possetdestination longo post tempore.
- Etiambrevis Disiunctio a GPRS session per (GSM phone aut modulorum) proreprehendo advenientis SMS non Promittere SMS receptionem , quia potestopperiuntur adhuc, in operator queue debetur magna GSM system latency.
- SMSpotest accipere in magnis mora 0, - LX sec et ab eo pendet Operansnetwork utendo et alia multa.
- Expensein GPRS et cyclic aperiendi et claudendi GPRS sessions (nam discursisqueries emails et SMSs) sunt aliquoties maior tunc usu SMSrecipiando tantum,.
- In casudisabling **GPRS/POP3 Server** GSM Module est Intimata statim post receptionem SMS et latencyinter mittendis vicissimque accipiendis SMS est circa VI sec.

SecuritySystem.

SecuritySystem incorporatis in CommManager est sui continetur et postulat:

- Connectionsecuritatem sensoriis ,
- Turbato per metumcornu ,
- Turbato per metumlux ,

- EarlyMonitum cornu ,
- Notificationmachina a magna aut securitatem propellente (si requiritur).
- INTEGERExternalManager et InputExtenders in uno fabrica.

RFcontrol a electronic key substitutum est per directam , illimitataprocuratio a mobile phones , PDA , wireless TCP/IP panels via SMS ,Aliquam , LAN , WiFi , LURIDUS.Eam coerceri potest extra et protegatur etmonitored area et clangoris notificatio sunt immediata post sensoremactivation (haud latency tempus assumitur ut in securitate systemata controlataeaper internam keyboards).

Upad XXIV zonas, definiri potest.Singulis zone consistere IV level larva pro singulissensorem connexa ad securitatem system.

Enimsingulis securitatem sensorem inputs , IV options definiuntur , in casuactivation perterri sensorem (si optionem est enabled in current zone):

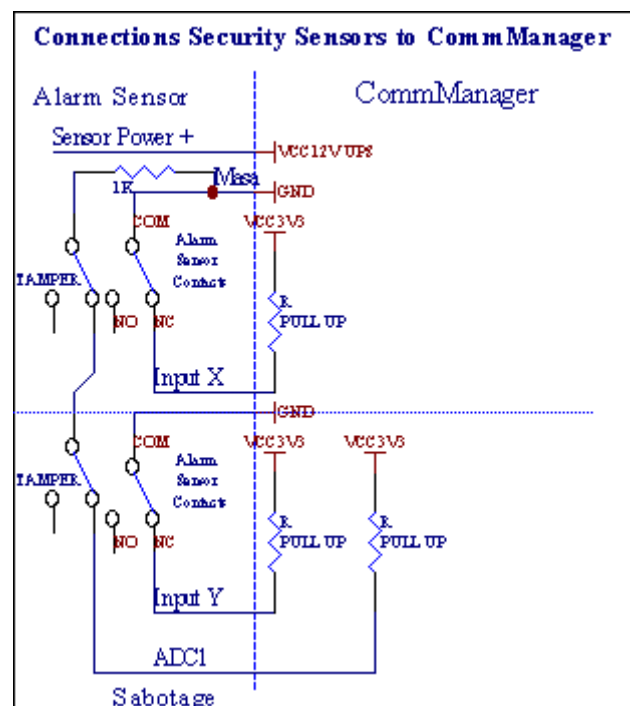
- Turbato per metum cornu (**A* - Turbato per metum**) ,
- Turbato per metum lux lucis in (**W* - Monitum**) ,
- MagnaNotification in (nam notificatio cogitatus magna aut securitatemAgentia si opus) (**M* -Cras**) ,
- Eventexecutionem assignari Security potenti (**E* - Event**).

*ager nomen in " CommManagerCfg.exe " application

Turbato per metum ,monitionem , magna outputs sunt activate cum programed mora circumamicta inagro (" Zonam Mutationem Tarditas " *) A zone mutatio initialize(Si sensorem operatio detecta esset pro novus zone) , dans occasionem,aufero ratione terror.Solum " Early Warning " output estactivated statim.Outputs sunt verto off automatically postdeactivation omnium sensoriis quae violare current securitatem zone ettardabis posuit in agros: " Turbato per metum tempus, " * , " Monitum tempus, " * , " Cras tempus, " * , " Early Warning tempus, " *.Omnes significationibus: nisi " Early Warning tempus, " * Inminutes , " Early Warning tempus, " est in seconds.

Upad XLVIII securitatem sensoriis potest esse adiunctum ad CommManager sineextensionem module vel usque XCVI cum extensione module.Sensorem habere debetcontact seduceretur ab ullo voltage extra eHouse system (CURSUS PUBLICI autswitch connectors).Fiet contactus normaliter clausa (NC) et aperuitdebetur sensorem activation.

Unumterror sensorem contactum debet iunctus ut sensorem input de CommManageralium ad GND.



Apparenterab occasu hardware outputs (Turbato per metum , Magna , Monitum , EarlyMonitum) , CommManager mittit SMS notificatio ad III coetibus describitursupra.

Incasu violatio terror , monitionis vel magna notificatio sunt mitteread Group definitur in agro (**SensoriisActivations - SMS Notification Numbers ***) quos possidet activa terror sensoriis nomina.

Incasu zone mutatio CommManager certiozem faciat group definitur in agro (**ZonamMutare - SMS Notification Numbers ***) mittenszone nomen.

Insi hoc casu terror , monitionis vel magna agebat CommManager etiamcertiozem faciat group definitur in agro (**Deactivation- SMS Notification Numbers ***) .

ExternumMachinae Procurator (Cylindris , portas , ostia , umbra awnings).

CommManagerest implemented primis ingenti aequanda cylindro controller quae est extensa versionemExternalManager et permitte controlling XXVII (XXXV **) independens scutulis ,portas , ostia system , sine extensione module et LIV cummodule.

**in casu disabling directam ADC outputs (describitur in Analog ToDigital Converter capite) XXXV independens scutulis (option debet essecompescuntur {Utor Direct DESPENSATIO (terminum scutulis ad XXVII) - non Eventsdefinitio Necessaria *} - in tab “ Analog ad Digital ConverterOccasus ” de CommManagerCfg.exe application).

Ibisunt II vias aurigabat scutulis: SOMFY modum vel directo servomotor modus .Solum aurigabat usura Somfy vexillum vel conquiritur qualificato quia in hoc systema scutulis sunt Armatae autem in controlling et protectionemodule pro scutulis contra cultro , intercluderent , aurigabat in utroquedirectionem , assecurando proprium mora tempus ante directionis mutationem.

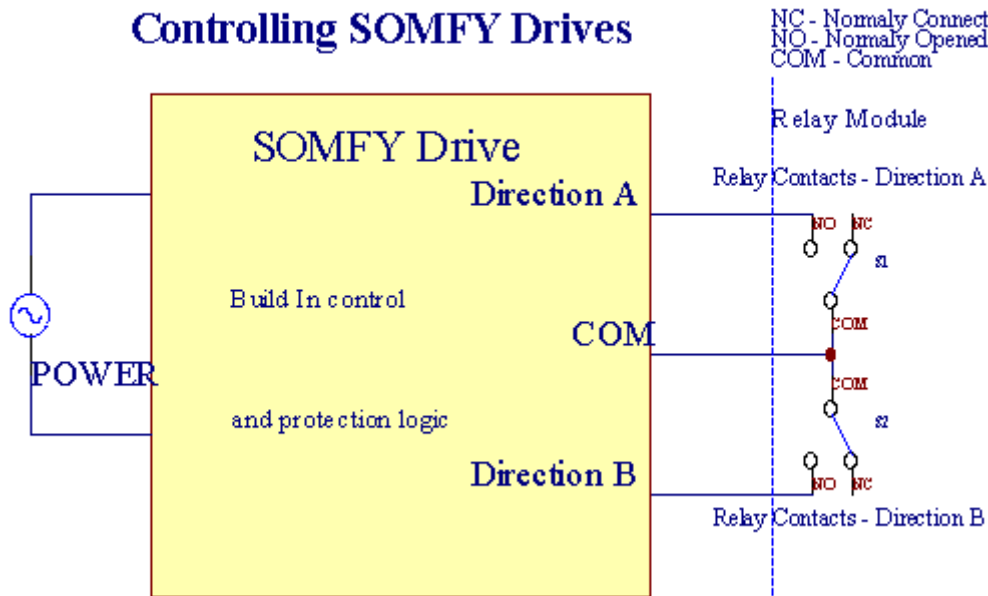
Cylindris ,portas , ostia agitet outputs.

Hioutputs sunt paria de outputs exigendi scutulis , portas , ostia agitetin SOMFY vexillum (default occasus) vel directo agitet.

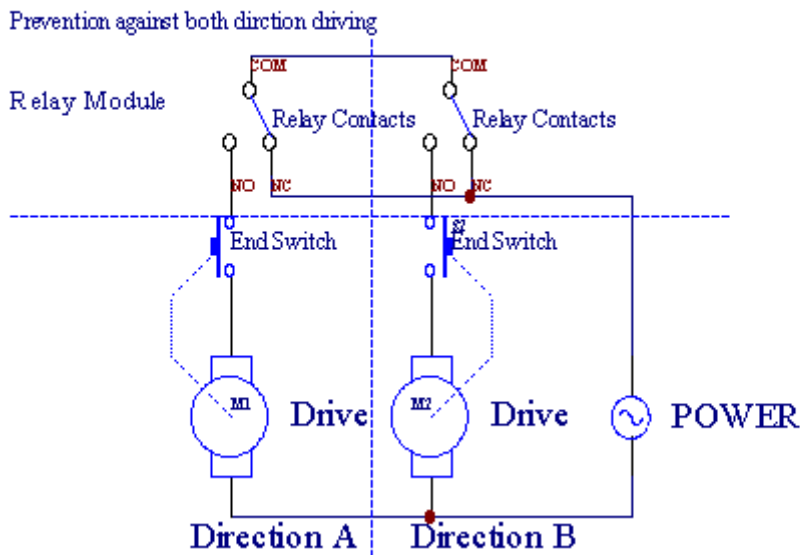
Quisqueprimis ingenti aequanda cylindro canalis SOMFY vexillum = primis ingenti aequanda cylindro aperta (I sec legumina in Aoutput) , primis ingenti aequanda cylindro arctae (I sec legumina in B output) , obturatio (I sec legumina inA et B outputs}.

Alioquinoutputs, potest fieri directam controlling motricium agitet (aurigabatmovendis huc acies , aurigabat linea, B pro moveatur inaltera directione). **Agitet habere debet propria nauigiisvolvitur in utramque partem defensionis , obstructionum scutulis , finisvirgas , accelerare protectione etc.Aliter in casu malfunctione de CURSUS PUBLICI , iniuriam configuratio module , obturans coegi a pruina autsabotage , possibile est laedas coegi.Ratio has aedificaret insoftware tutela contra moveatur in utroque , valeo't reprehendosi coegi attingit finem, vel wasn't obstruxerat, et isn't sufficit adProtegat scutulis.Iste modus non potest nisi used on suo periculo et iSysest multitudo non respondet dampna agitet.Solum Somfy systemadhiberi potest secure quia incorporat sua protectioneagit.**

Controlling SOMFY Drives



Direct Control of Drives



Cylindrismodum potest sedi in “Cylindris Occasus” tab ofCommManagerCfg.exe application.

Unumliberi positio potest esse selectos: Somfy (“Somfy System” *), Direct servomotor coegi (“Direct Motors” *), CommuneOutputs (“Normal foris” * - uno outputs compatiturRoomManager's).

Superadditasequenti parametris quod bene definiri potest ad disceptandum scutulisoccasus:

- Cuncterismutandi, directionem a ad invicem (“Cuncteris in ChangeDirectionem,” *) - software protectione ex immediata mutantdirectionem, qua posset laedas agitet.
- MaximaliaCylindris motum plenum tempus (“Cylindris motibus tempora” *) -post hoc tempus (in seconds) system tradisse omnium scutulis rollover adaltera directione (si wasn't obturatio manually durante motus).Hoctempus etiam adsuesco assuesco pro mora zone mutatio in casu SecurityProgressio exsecutionis (una cum zona mutatio).Main ratio non estgenerandi securitatem terror si scutulis confirmationem virgas suntinstalled.In casu scutulis hoc carent optionem ponenda, ad 0.
- Cylindristempero init tempus initialize scutulis motus controllinput (Cylindris Coegi Vicis *) - (In secundus). **Modularis haec est, directe usiin CommManager eligendi Cylindris opus modus (SOMFY/Direct).Eamdebet esse reales (X minus si tempus estautomatically selecti Somfy modus , aliter CommManager operatur indirige modus).Si Somfy modum sunt electi et dirige servomotors suntconnexa servomotors potest destrui pro Somfy aestimandaad II - IV sec.Enim directo moderamine hoc tempus major debet esse pluressecunda ab tardissimus primis ingenti aequanda cylindro motum plenum.**

QuisqueRollerus est sequentes eventibus:

- Close ,
- Aperi ,
- Desine ,
- Don'tMutatio (N/A).

Propinquuset Oris primis ingenti aequanda cylindro mos persevero donec statur in finem positio.

Adobturatio primis ingenti aequanda cylindro in diversa positio, manual sistenda debet initiatidurante motus.

(“ AdditionalCylindris ” *) Flag permittit duplici comes scutulis per cuius nexumextensionem module. **In casu carentiaextensionem module Nam oportet erret. Alioquin CommManagernon vult operari proprie - internum protectiones erit sileoCommManager cyclically.**

Quisqueprimis ingenti aequanda cylindro , ostium , porta , umbra VELARIUM nominari possunt in CommManagerCfgapplication.

Innomina sumuntur generandi eHouse eventuum.

Normaloutputs modus.

Incasu carentia scutulis , portas , ostia , etc , possibile est ususCommManager's outputs sicut vexillum uno output compatiturRoomManager.Hoc possunt assignare outputs localiter SecuritySensoriis activations aut Analog ad Digital Converter campester.

Listof Events associatur normalis digital outputs:

- ConvertiminiSc ,
- Toggle ,
- ConvertiminiOff ,
- ConvertiminiIn pro programmed tempus (postea off) ,
- Toggle(Si verto in - programmed tempus , postea off) ,
- ConvertiminiPost programed latency ,
- ConvertiminiOff post programed latency ,
- Togglepost programed latency ,
- ConvertiminiPost programed latency pro programmed tempus (postea off) ,
- Togglepost programed latency {si conversus in pro programmed tempus(Postea off)}.

QuisqueOutput habet individuum timer.Timers dinumerare possit secunda vel minutespendentes optionem circumamicta in CommManagerCfg.exe application (“ MinutesTempus Out ” * - in “ Additional Outputs ” * Tab).

Quisqueprimis ingenti aequanda cylindro , ostium , porta , umbra VELARIUM nominari possunt in CommManagerCfg.exeapplication.

Innomina sumuntur generandi eHouse eventuum.

SecurityPrograms

Securityprogressio permittere CONPRENSIO omnes scutulis occasus et securitas zone in unoeventum.

Upad XXIV Security progressio, definiri potest pro CommManager

Insecuritatem progressio pro singulis scutulis sequentes eventus possibile:

- Close ,
- Aperi ,
- Desine ,
- Facerenon mutat (N/A).

Superadditasimul cum scutulis occasus opus zone erit, seligi poterit.

Quisque securitatem progressio potest nominari in CommManagerCfg.exe application.

Innomina sumuntur generandi eHouse eventuum.

Zonamutationem, activated cum latency aequalis maximalia plenus scutulismotibus tempora (“ Cylindris motibus tempora ” *).

Hoc latency est necessarium , certificare quod omnes scutulis consequendum finem , ante principiare zone mutatio (alioquin virgas confirmans scutulis claudetur ut generare terrores).

Admutare Security Program occasus:

- LegoSecurity Program a list ,
- Nomen potest essemutare i agro Mutationem Security Program Name *) ,
- Mutare omnes scutulis statuentes ad desideravit valores ,
- Legozone si egeret, (Security Zonam Assignati *) ,
- Premepuga pyga (Update Security Program *) ,
- RepeatOmnes steps pro molestantes Security Programs.

XVI canalis Analog To Digital Converter.

CommManager est Armatae autem in XVI ADC input constanter 10b (scale < 0 ; MXXIII >) , et voltage range < 0 ; III.3V) .

Quilibet Analog sensorem , amet a III.3V potest esse adiunctum ad ADC inputs. Eamulla possit esse of: temperies , lux level , humiditas , pressure , gas , ventus , etc.

System potest escensu pro sensoriis cum linearibus scale ($y = a * x + b$) , , quod efficit exigere metimur ab Analog sensoriis e.g. LM335 , LM35 , Voltage , percent% , percent inverso scale % , ipso facto sunt creati in system.

Other sensoriis, definiri potest introeuntes aequatione valores in configuration file pro sensorem type. Nonlinear scale sensoriis describi possunt mensam deconversionem (inter valorem realem et percent magno aestimanda sint) consistens MXXIV puncta e.g. generantur ex math applications.

Analog sensorem oportet habere parva current laboris et suppleatur de III.3V de CommManager. Quidam sensoriis non requirunt potentia copia e.g. LM335 , photo diodes , photo transistorum , photo resistors , thermistors , quia sunt amet, excute - Up resistors (IV.7K) , ad potentiam copia III.3V.

Adobtinere maximalia certiore sensoriis connexionem cable:

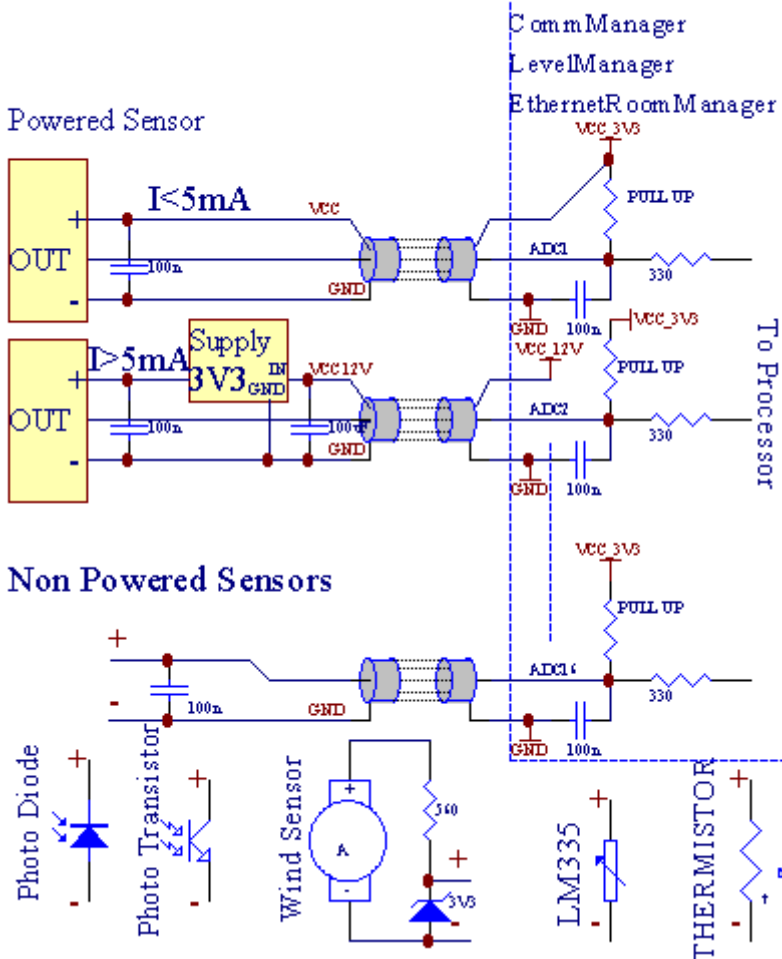
- mustumdefendas ,
- sicut brevibus, ut possibilis ,
- longa distortione sources (GSM antennas , Cras radionotificatio , excelsum potentia lineas , etc).

CommManager continet GSM Module , quae etiam possit graviter pervertitis proprium mensura Analog sensoriis reputaret crescens eorum errores.

Antennade GSM module vel integrum CommManager debet installed in locationubi fortis GSM signum esset mensus.

Optimus via est inhibere depravatum level ante emplastrum templi activa GSM module mittens SMS et recipienti emails.

Connecting Analog Sensors to TCP/IP Controllers



Quisque canalis configuratio Analog ad Digital Converter expletur in CommManagerCfg.exe applicationem in "Analog ad Digital Converter Occasus" * Tabs.

Admutare ADC parameter ("Modificatio enabled" *) OnGeneralis * tab legeretur.

Most maximus bene est global occasus pro directo output control ("UtiDirect DESPENSATIO (terminum scutulis ad XXVII) - non Events definitioNecessaria" *) Assignari pro singulis canalis Hoc flag enables automatic switching super output dedicata ADC canalem et distillans infra (Min Value *). Output erit switched off post lineatur (MaxValue *). Hoc campester illorum distincte definitur pro singulis ADC Programet singula ADC alveo.

Conversus super hanc optionem allocates ultimum VIII scutulis system (manente available XXVII) vel XVI output in normalis modus , quae sunt dicata ad dirigendos Imperare huic output ut ADC outputs. Eligens hanc optionem liberat ad signari e rerum ADC campester , , ADC outputs quibus continendis in localis fabrica (sine exequens eventus localis controller vel aliauno). In Cylindris output modus non est aliud, via impetro localis imperium of ADC outputs.

Quisque ADC alveo habet sequentes parametris quod bene:

SensoremenNomen : Potest esse mutatio in agro “ MutareADC potenti Name ” *.

SensoremenType : Standard genera sunt LM335 ,LM35 , Voltage , % , % Inversus (% Inv).User potest adicere novum sensorem type ,addendo nomen novum pligam ADCSensorTypes.txt.Superaddita filesoportet creata cum eodem nomine sensorem type nomen , tunc spatio et Iad XVI et extensionem ".txt ".In hoc file MXXIV subsequenslevel musti existit.Text effectibus't materia pro CommManager , tantum indexsunt recondita et oneratae ad controller.

MinimalValue (“ **Min Value** ” *) - DELIQUATITUDOinfra hoc valore (quondam durante transitum) - Event repono in (UnderEvent *) agro, launched, et correspondentes output ponetur(In Direct output modum ADC).

MaximaliaValue (“ **MaxValue** ” *) - lineatur suprahoc valore (quondam durante transitum) - Event repono in (Over Event *)agro, launched, et correspondentes output erit purgavit (inDirect output modum ADC).

EventMin (Sub Event *) - Event ad currendam ,si distillans infra programed minimi habere (quondam durante transitu) procurrent ADC progressio.

EventMax (Over Event *) - Event ad currendam ,si lineatur supra programed vis maxima (quondam durante transitum) procurrent ADC progressio.

Analogad Digital Converter Programs.

ADCprogressio consistit omnibus gradibus pro singulis ADC alveo.Usque ad XXIV ADCprogressio potest esse creatum pro CommManager.

Eampermittit immediata conversionem totius ADC canales campester , definitur ADCprogressio (e.g.pro singulis calefactio in domo) by currit eventum.

Admodify ADC progressio:

- Eligepressio a list.
- nomen potest esse mutata est in agro (“ Mutare Program Name ” *).
- Poneomnes ADC campester (min , max) pro current progressio.
- Premepuga pyga (“ Update Program ” *).
- Repeathis gradibus pro omnibus Programs.

III.IV.III .Basibus et PCB Layout de CommManager , LevelManager et aliis magnusEthernet moderatoris

Mostde eHouse moderatoris utitur duo row IDC bases qui sufficiunt valdeieiunium installation , deinstallation et servitium.Syntaxis flat cablesquae est 1mm in latitudine , non requirunt faciens totorum pro cables.

Pinnon.I.habet rectangulae figura in PCB et superaddita sagittam inposuit bases singulas supputatisoperire.

Paxillo sunt numerati cum row prioritate:

||

||

|II IV VI VIII X XII XIV XVI XVIII XX XXII XXIV XXVI XXVIII XXX XXXII XXXIV XXXVI XXXVIII XL
XLII XLIV XLVIXLVIII L |

|I III V VII IX XI XIII XV XVII XIX XXI XXIII XXV XXVII XXIX XXXI XXXIII XXXV XXXVII XXXIX
XLI XLIII XLVXLVII XLIX |

||

| __V_____ |

ADCINPUTS – Analog - ad - digital converter (ADC INPUTS) (0 ; III , 3V) inPomponius GND – Non annecto aliquid externum potentiae(IDC - XX)

I- Gnd/Groud (0V) II - Gnd/Ground (0V)

III- ADC IN 0, IV - ADC IN VIII

V- ADC IN I VI - ADC IN IX

VII- ADC IN II VIII - ADC IN X

IX- ADC IN III X - ADC IN XI

XI- ADC IN IV XII - ADC IN XII

XIII- ADC IN V XIV - ADC IN XIII

XV- ADC IN VI XVI - ADC IN XIV

XVII- ADC IN VII XVIII - ADC IN XV

XIX- VDD (III , 3V) XX - VDD (III , 3V) - Requirit installation of ResistorC OM pro current limitation pro posse, Analog sensoriis

Digital INPUTS Direct - (SED/Off) vel brevis vel DEJUGO ad humum controller (Noli annecto aliquid externum potentiae) (IDC - XVI)

I- Digital potenti I * II - Digital potenti II *

III- Digital potenti III * IV - Digital potenti IV *

V- Digital potenti V * VI - Digital potenti VI *

VII- Digital potenti VII * VIII - Digital potenti VIII *

IX- Digital potenti IX * X - Digital potenti X *

XI- Digital potenti XI * XII - Digital potenti XII *

XIII- Digital potenti XIII * XIV - Digital potenti XIV *

XV- Digital potenti XV * XVI - GND

Input potest partita interne pendentes typus of hardware autcontroller. Non annecto. Potuit causare Permanens perdere decontroller.

Digital INPUTS extendi - (0 ; III.3V) - (De/Off) vel brevis vel DEJUGO ad humum controller (Noli annecto aliquid externum potentiae) (IDC - 50PIN) (Version I)

I- Digital potenti I II - Digital potenti II

III- Digital potenti III IV - Digital potenti IV

V- Digital potenti V VI - Digital potenti VI

VII- Digital potenti VII VIII - Digital potenti VIII

IX- Digital potenti IX X - Digital potenti X

XI- Digital potenti XI XII - Digital potenti XII

XIII- Digital potenti XIII XIV - Digital potenti XIV

XV- Digital potenti XV XVI - Digital potenti XVI

XVII- Digital potenti XVII XVIII - Digital potenti XVIII

XIX- Digital potenti XIX XX - Digital potenti XX

XXI- Digital potenti XXI XXII - Digital potenti XXII

XXIII- Digital potenti XXIII XXIV - Digital potenti XXIV

XXV- Digital potenti XXV XXVI - Digital potenti XXVI

XXVII- Digital potenti XXVII XXVIII - Digital potenti XXVIII

XXIX- Digital potenti XXIX XXX - Digital potenti XXX

XXXI- Digital potenti XXXI XXXII - Digital potenti XXXII

XXXIII- Digital potenti XXXIII XXXIV - Digital potenti XXXIV

XXXV- Digital potenti XXXV XXXVI - Digital potenti XXXVI

XXXVII- Digital potenti XXXVII XXXVIII - Digital potenti XXXVIII

XXXIX- Digital potenti XXXIX XL - Digital potenti XL

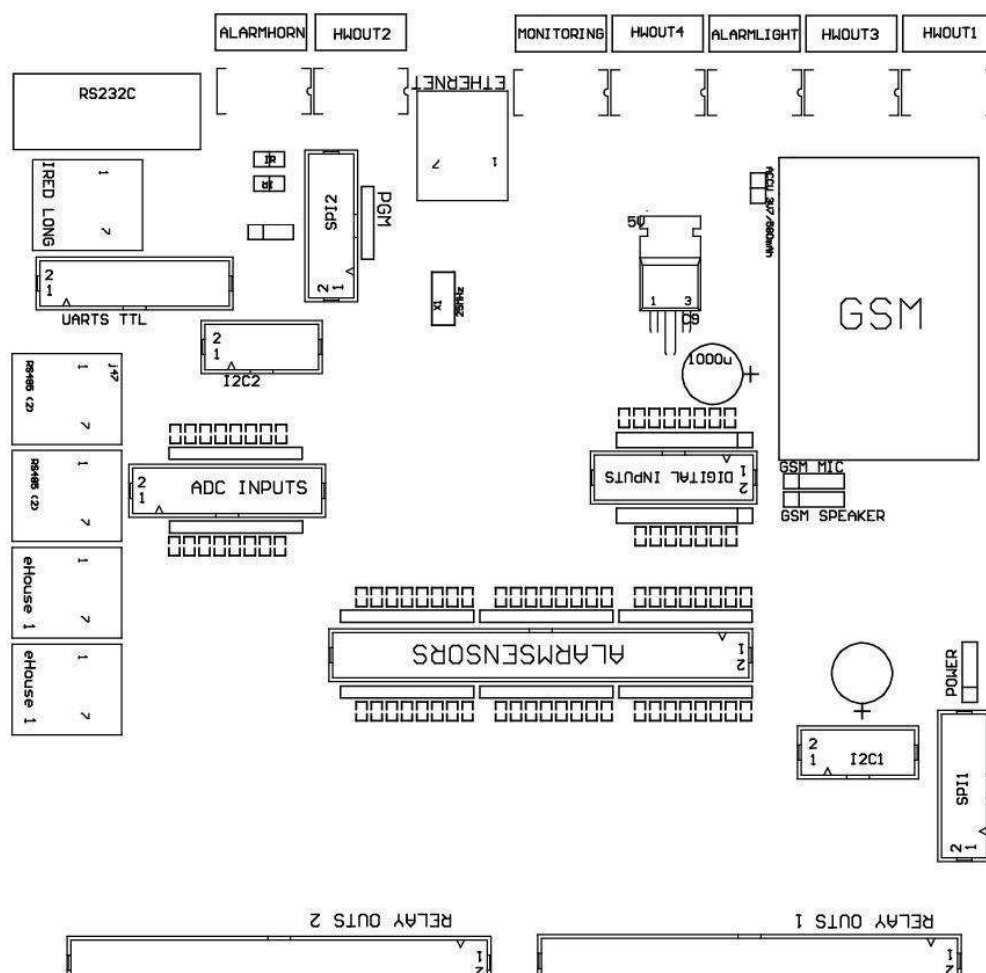
XLI- Digital potenti XLI XLII - Digital potenti XLII

XLIII- Digital potenti XLIII XLIV - Digital potenti XLIV

XLV- Digital potenti XLV XLVI - Digital potenti XLVI

XLVII- Digital potenti XLVII XLVIII - Digital potenti XLVIII

XLIX- GND L - GND - (Nam connectens/abbreviare inputs)



II).

DigitalINPUTS extendi - (0 ; III.3V) - (De/Off) vel brevis vel DEJUGO adhumum controller (Noli annecto aliquid externum potentiae(IDC - 10PIN) (Version II)

I- Digital potenti (n * VIII) I II - Digital potenti (n * VIII) II

III- Digital potenti (n * VIII) III IV - Digital potenti (n * VIII) IV

V- Digital potenti (n * VIII) V VI - Digital potenti (n * VIII) VI

VII- Digital potenti (n * VIII) VII VIII - Digital potenti (n * VIII) VIII

IX- GND controller terram X - GND controller terram – proconnectens/abbreviare inputs

DigitalOUTPUTS I (transmittit foris I) – outputs cum CURSUS PUBLICI coegi prodirige connexio CURSUS PUBLICI inductor (IDC - L)

I- VCCDRV – Nullam Inductor potentia copia (XII V non UPS)(Clamping diode tutandis coegi contra excelsum voltageinductione)

II- VCCDRV - Nullam Inductor potentia copia (XII V non UPS) (clampingdiode tutandis coegi contra excelsum voltage inductione)

III- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.I - Coegi/Servo I directionem A (CM)

IV- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.II - Coegi/Servo I directionem B (CM)

V- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.III - Coegi/Servo II directionem A (CM)

VI- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.IV - Coegi/Servo II directionem B (CM)

VII- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.V - Coegi/Servo III directionem A (CM)

VIII- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.VI - Coegi/Servo III directionem B (CM)

IX- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.VII - Coegi/Servo IV directionem A (CM)

X- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.VIII - Coegi/Servo IV directionem B (CM)

XI- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.IX - Coegi/Servo V directionem A (CM)

XII- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.X - Coegi/Servo V directionem B (CM)

XIII- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.XI - Coegi/Servo VI directionem A (CM)

XIV- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.XII - Coegi/Servo VI directionem B (CM)

XV- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.XIII - Coegi/Servo VII directionem A (CM)

XVI- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.XIV - Coegi/Servo VII directionem B (CM)

XVII- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.XV - Coegi/Servo VIII directionem A (CM)

XVIII- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.XVI - Coegi/Servo VIII directionem B (CM)

XIX- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.XVII - Coegi/Servo IX directionem A (CM)

XX- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.XVIII - Coegi/Servo IX directionem B (CM)

XXI- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.XIX - Coegi/Servo X directionem A (CM)

XXII- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.XX - Coegi/Servo X directionem B (CM)

XXIII- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.XXI - Coegi/Servo XI directionem A (CM)

XXIV- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.XXII - Coegi/Servo XI directionem B (CM)

XXV- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.XXIII - Coegi/Servo XII directionem A (CM)

XXVI- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.XXIV - Coegi/Servo XII directionem B (CM)

XXVII- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.XXV - Coegi/Servo XIII directionem A (CM)

XXVIII- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.XXVI - Coegi/Servo XIII directionem B (CM)

XXIX- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.XXVII - Coegi/Servo XIV directionem A (CM)

XXX- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.XXVIII - Coegi/Servo XIV directionem B (CM)

XXXI- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.XXIX - Coegi/Servo XV directionem A (CM)

XXXII- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.XXX - Coegi/Servo XV directionem B (CM)

XXXIII- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.XXXI - Coegi/Servo XVI directionem A (CM)

XXXIV- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.XXXII - Coegi/Servo XVI directionem B (CM)

XXXV- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.XXXIII - Coegi/Servo XVII directionem A (CM)

XXXVI- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.XXXIV - Coegi/Servo XVII directionem B (CM)

XXXVII- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.XXXV - Coegi/Servo XVIII directionem A (CM)

XXXVIII- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.XXXVI - Coegi/Servo XVIII directionem B (CM)

XXXIX- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.XXXVII - Coegi/Servo XIX directionem A (CM)

XL- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.XXXVIII - Coegi/Servo XIX directionem B (CM)

XLI- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.XXXIX - Coegi/Servo XX directionem A (CM)

XLII- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.XL - Coegi/Servo XX directionem B (CM)

XLIII- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.XLI - Coegi/Servo XXI directionem A (CM)

XLIV- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.XLII - Coegi/Servo XXI directionem B (CM)

XLV- GND/Ground 0V de controller

XLVI- GND/Ground 0V

XLVII- GND/Ground 0V

XLVIII- PWM I (PWM obscurius non I aut Rubro colore pro RGB TTL – absquepotentia auriga) III.3V/10mA (nam directo moderamine duxit diode potētiæDriver opto - isolator)

XLIX- PWM II (PWM obscurius non II aut viridi colore pro RGB TTL – absquepotentia auriga) III.3V/10mA (nam directo moderamine duxit diode potētiæDriver opto - isolator)

L- PWM III (PWM obscurius non III aut Puteulanus colore pro RGB TTL – absquepotentia auriga) III.3V/10mA (nam directo moderamine duxit diode potētiæDriver opto - isolator)

DigitalOUTPUTS II (transmittit foris II) – outputs cum CURSUS PUBLICI coegi prodirige connexio CURSUS PUBLICI inductor (IDC - L)

I- VCCDRV – Nullam Inductor potentia copia (XII V non UPS)(Clamping diode protegens coegi contra excelsum voltage inductione)

II- VCCDRV - Nullam Inductor potentia copia (XII V non UPS) (clampingdiode protegens coegi contra excelsum voltage inductione)

III- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.XLIII - Coegi/Servo XXII directionem A (CM)

IV- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.XLIV - Coegi/Servo XXII directionem B (CM)

V- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.XLV - Coegi/Servo XXIII directionem A (CM)

VI- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.XLVI - Coegi/Servo XXIII directionem B (CM)

VII- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.XLVII - Coegi/Servo XXIV directionem A (CM)

VIII- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.XLVIII - Coegi/Servo XXIV directionem B (CM)

IX- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.XLIX - Coegi/Servo XXV directionem A (CM)

X- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.L - Coegi/Servo XXV directionem B (CM)

XI- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.LI - Coegi/Servo XXVI directionem A (CM)

XII- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.LII - Coegi/Servo XXVI directionem B (CM)

XIII- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.LIII - Coegi/Servo XXVII directionem A (CM)

XIV- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.LIV - Coegi/Servo XXVII directionem B (CM)

XV- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.LV - Coegi/Servo XXVIII directionem A (CM)

XVI- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.LVI - Coegi/Servo XXVIII directionem B (CM)

XVII- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.LVII - Coegi/Servo XXIX directionem A (CM)

XVIII- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.LVIII - Coegi/Servo XXIX directionem B (CM)

XIX- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.LIX - Coegi/Servo XXX directionem A (CM)

XX- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.LX - Coegi/Servo XXX directionem B (CM)

XXI- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.LXI - Coegi/Servo XXXI directionem A (CM)

XXII- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.LXII - Coegi/Servo XXXI directionem B (CM)

XXIII- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.LXIII - Coegi/Servo XXXII directionem A (CM)

XXIV- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.LXIV - Coegi/Servo XXXII directionem B (CM)

XXV- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.LXV - Coegi/Servo XXXIII directionem A (CM)

XXVI- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.LXVI - Coegi/Servo XXXIII directionem B (CM)

XXVII- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.LXVII - Coegi/Servo XXXIV directionem A (CM)

XXVIII- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.LXVIII - Coegi/Servo XXXIV directionem B (CM)

XXIX- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.LXIX - Coegi/Servo XXXV directionem A (CM)

XXX- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.LXX - Coegi/Servo XXXV directionem B (CM)

XXXI- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.LXXI - Coegi/Servo XXXVI directionem A (CM)

XXXII- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.LXXII - Coegi/Servo XXXVI directionem B (CM)

XXXIII- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.LXXIII - Coegi/Servo XXXVII directionem A (CM)

XXXIV- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.LXXIV - Coegi/Servo XXXVII directionem B (CM)

XXXV- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.LXXV - Coegi/Servo XXXVIII directionem A (CM)

XXXVI- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.LXXVI - Coegi/Servo XXXVIII directionem B (CM)

XXXVII- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.LXXVII - Coegi/Servo XXXIX directionem A (CM)

XXXVIII- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.LXXVIII - Coegi/Servo XXXIX directionem B (CM)

XXXIX- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.LXXIX - Coegi/Servo XL directionem A (CM)

XL- Digital output cum CURSUS PUBLICI agitator pro directam CURSUS PUBLICIinductor (12V/20mA) nullus.LXXX - Coegi/Servo XL directionem B (CM)

XLI- GND/Ground 0V de controller

XLII- GND/Ground 0V de controller

XLIII- GND/Ground 0V de controller

XLIV- GND/Ground 0V de controller

XLV- PWM I (Internum potentia agitator PWM non I aut Rubrum pro RGB 12v/1A)

XLVI- PWM I (Internum potentia agitator PWM non I aut Rubrum pro RGB 12v/1A)

XLVII- PWM II (Internum potentia agitator PWM non II aut Gren pro RGB 12v/1A)

XLVIII- PWM II (Internum potentia agitator PWM non II aut Gren pro RGB 12v/1A)

XLIX- PWM III (Internum potentia agitator PWM non III aut Puteulanus pro RGB 12v/1A)

L- PWM III (Internum potentia agitator PWM non III aut Puteulanus pro RGB 12v/1A)

POTENTIADC (IV - ACUS CAVUM) potentia Supple

I- Input (V V/2A posse, GSM Module)

II- GND/Ground/0V

III- GND/Ground/0V

IV- Input (V facere XII V)/0.5A posse, controller cum UPS –perpetua potestate copia

ETHERNET- nervum RJ45 connexionem ad LAN (10MBs) network

ACCU- ACCUMULATOR (III.7V/600mAH) pro GSM module

I+ ACCUMULATOR

II- GND

eHouseI - (RJ45) CAVUM pro connexionem ad eHouse I (RS - CDLXXXV) notitia bus inHybrid installation (solum CM)

I ,II - GND/Ground (0V)

III ,IV - VCC XII V , iunctus ut potentia copia (XII V in POTENTIA DCnervum) non annecto.

V - TX + (transmittentes output positivum) differentialis

VI - TX - (Transmittentes output negativus) differentialis

VII - RX - (ReceptioneCommunionis output negativus) differentialis

VIII - RX + (ReceptioneCommunionis output positivum) differentialis

CAVUMparere RoomManager , ExternalManager , HeatManager vexillum nonrs232 - CDLXXXV converter , licet transitum cable requiritur annecto uteHouseI system.

TX +< - > RX +

TX -< - > RX -

RX +< - > TX +

RX -< - > TX -

HWOUT1 ,HWOUT2 , HWOUT3 , HWOUT4 , ALARMLIGHT , ALARMMONITORING , ALARMHORN –Ædifica - in CURSUS PUBLICI virgas (Normally Propinquus , Commune , Normally aperta) (Nam CM)

ALARMLIGHT– Monitum lux de securitate systema CM

ALARMHORN- Turbato per metum Horn de securitate systema CM

ALARMMONITORING– Vigilantia Turbato per metum subito additus terror notificatio ad securitatem propellente CM(Radio - linea activation)

HWOUTx– Hardware outputs dedicavit moderatoris (futura fines)

Connectorsnumero, a sinistro ad dextrum latus

I- NC Normally clausa/connexa (to COM sine posse, CURSUS PUBLICI) ,disiungitur quando CURSUS PUBLICI sit amet

II- COM/Commune ,

III- NO Normally reclusit (to COM sine posse, CURSUS PUBLICI) iunctus utCOM quando CURSUS PUBLICI sit amet.

I2C1 ,I2C2 , SPI1 , SPI2 , UARTS TTL , PGM – Laxamentum foramina de serialinterfaces

Facerenon ad external adinventiones extra dedicated eHouse extensionesadinventiones.Communicatio interfaces diversorum alte cadere de eHousemoderatoris. Paxillos potest esse adiunctum ad DigitalInputs , Outputs , ADC Inputs directe ad microcontroller significationibussine ulla protectione. Connection ad alia significationibus/voltagespotest causare permanentem controller perdere.

III.V.Other et dedicaverunt Ethernet moderatoris.

Architecturaet ratione Ethernet moderatoris est substructio in microcontroller(Microprocessor).

Theyhabere quantitas magna hardware resources , interfaces , digitalet Analog EGO/O posse ad officia aliqua desideravit functiones permanenter control discubitus , specialis permises aut electricaapparatu.

Basically , duo genera sunt magistrae(Hardware substructio in PCB):

Averagemoderatoris substructio in constructione EthernetRoomManager ,EthernetHeatManager , EthernetSolarManager:

- Upad XXXV digital outputs
- Upad XII digital inputs
- Upad XVI mensuraui inputs - Analog - ad - digital (0 , III.III V)
- Upad III dimmers PWM/DC aut I RGB
- UltrarubrumSusceptor et transfusor
- Induo serial portus , RS - CCXXXII TTL

Largemoderatoris substructio in constructione CommManager , LevelManager

- Upad LXXX digital outputs
- Upad XLVIII digital inputs
- Upad III dimmers PWM/DC aut I RGB
- RS - CCXXXIITTL , RS - CDLXXXV Full Duplex
- GSM/ SMS
- Upad VIII digital outputs cum aedificaret in transmittit
- Serialinterfaces I2C , SPI pro ratio expansionem

OmneseHouse moderatoris aedificavit - in bootloader (possibile est uploadulla firmware ad controller intra eadem hardware/apparatu)a CommManagerCfg application.In firmware potest esse individualiterscriptum/mitigare aut adaequatum (substructio in vexillum eHouse moderatoristemplate – serial poema poematis of moderatoris ERM , LM , CM , EHM ,ESM).Firmware est encrypted et reverse engineering est potius noncommercially iustificabitur.

Majoribus ad ordines possibile est creo a dedicated firmware fundaturin existente hardware moderatoris.Firmware potest esse upload localiterusura includitur PC software (CommManagerCfg.Exe) .

Hocquoque dat occasio pro deliberacione updates aut cōstitue deprehendi bugs etfacilis upload ad moderatoris.

IV.eHouse PCSarcina (eHouse pro Ethernet)

Superadditaad electronics modulorum eHouse ratio est Armatae autem in auxiliarissoftware quispiam sub Fenestra XP system et successoribus.

IV.I.eHouse Application (eHouse.exe)

Hocapplication sunt dicata pro “ eHouse I ” system.In“ eHouse enim Ethernet “ system hac applicatione adhiberi potest,pro synchronizing notitia ex Ethernet moderatoris tam.In hoccasu debet, currebas cum parameter “ ehouse.exe/viaUdp ”ad capiendum moderatoris status.

IV.II.WDT proeHouse (KillEhouse.exe)

VigilateDog Timer est vigilantia applicatio eHouse ratio pro currentemet coercendis eHouse.exe application in continuis, opus. In casususpendat, failures, communicatio carentia inter magistrae et eHouseapplication, KillEhouse.exe claudit applicatione et sileo iterum.

Configurationfiles congregantur in "**killexec**" presul.

WDTpro eHouse configuratur durante installation of eHouse system et estincomitata si default occasus validum est,.

EnimeHouse.exe application per defaultam aetate "**logs\external.stp**" file est sedatus, quae est venalicium derecent status accepit a ExternalManager, quia hoc est maximemomenti ac difficili MODERATOR in systemate. In casuExternalManager carentia, HeatManager nomen (e.g. "logs\HeatManagerName.txt") Log file utendum autRoomManager (e.g. "logs\Salon.txt"). In alio casu, WDTmos reset eHouse.exe cyclically, vultus pro log de non existentecontroller.

Examplepro eHouse.exe cum RoomManager's tantum et unum illorum habet nomenSalon:

e - DomusProcurator

ehouse.exe

/Ne/Nr/nt/nd

(C)

CXX

c:\e - Comm\e - Domus\logs\Salon.txt

Subsequenslineas parametri *.currit file:

I Applicationnomen in fenestris

II executablelima in "bin\" presul of eHouse system

III executableparametris

IV maximaliatempore opus pro application [s]

Vmaximalia tempus cessatio [s]

VI filenomen, , ad reprimendam aetas a creatione/modificatio.

Files"**.currit**" pro eHouse application repono in "**exec**" presul habere eadem structura.

Otherapplication potest conservari ab WDT ponendo configuration limaad directorio.

IV.III .Application ConfigAux (ConfigAux.exe)

Hoc application est adsuesco assuesco pro:

- initialis systemconfiguration
- eHouse softwaretabulata per hardware/software tabulatis adlevatae
- auxiliarisapplications requirunt simplex setup
- definit maximemaximus parametris pro eHouse installation.

Adfungi plenus configuration , currebas cum parametri " ConfigAux.exe /ChangeHashKey ".

Parametris:

MobilePhone Number – Number of SMS portae (nam CommManager) (estnecessaria ad onerant configuration pro omnibus magistrae et temperopanel)

Nullam Table - hashing codice pro authenticas declarandas algorithm admagistrae et panels (in hexadecimal codice) (Post mutandoconfiguration , necessarium est ad oneratis novum occasus ad omnesmagistrae et imperium panels)

Longinquus MODERATOR E - MailAddress - Email oratio pro omnibus applications , panels -Nullam

Receptionem eMailGate Address - Email electronicumomnes applications , panels – ad receptionem

SMTP User Name(eMailGate) - SMTP user pro eMailGate application quoque adsuesco assuesco perimperium panels pro diversis tabulatis adlevatae

POP3 User Name (eMailGate)- POP3 user pro eMailGate application etiam utitur imperium panelspro diversis tabulatis adlevatae

Iterations post STOMACHOR acta - non faciuntuti

Local Hostiam Name - nomen loci turmae SMTPclient

Login type - Solum utuntur campo CM

Password SMTP , POP3Password - password pro SMTP client , POP3

SMTP Server Address ,POP3 Server Address - SMTP et POP3 oratio - intrare IP oratio sipossibilis

SMTP Port , POP3 portum - SMTP et POP3 servientibusportus

Subject - Nuntius Title (nihil mutatum)

CommManager IPAddress - IP oratio of CommManager

CommManager TCP Port - TCPportum CommManager

Internet Side Address - Public TCP/IP autDDNS dynamic (servitium institui oportet, in iter itineris)

Internet Side Port -TCP portum a Internet latus

FTP Server , FTP Directory , User ,Password - applicationem's parametris pro synchronization non lignaan FTP server (FTPGateway.exe).

Email Encryption - non utuntur , eamsuffulta non CommManager



IV.IV .CommManagerCfg - Configurare Ethernet moderatoris.

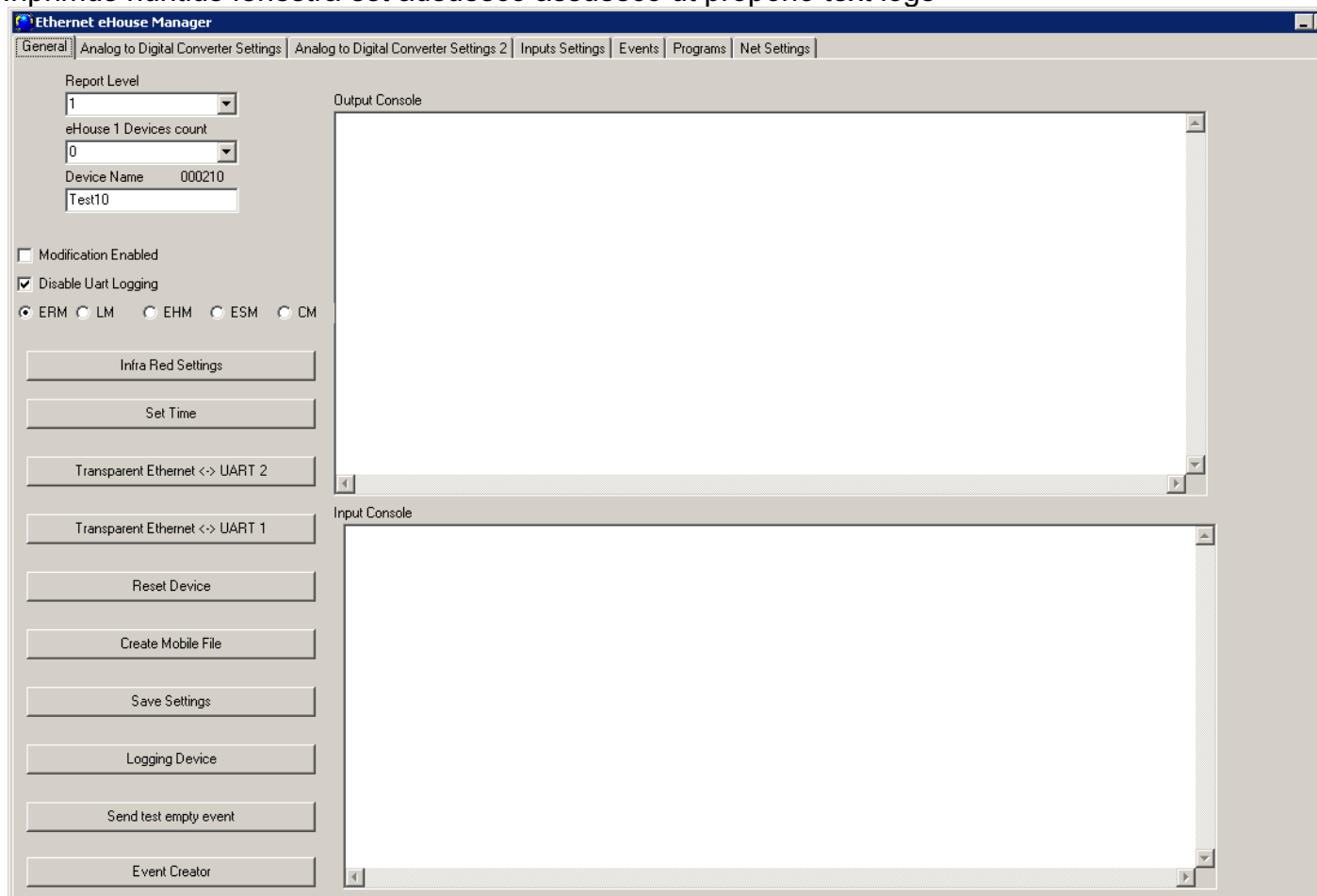
CommManagerCfg.exeapplication est adsuesco assuesco ad:

- faciéndamsummam figurationem de eHouse4Ethernet moderatoris
- manuallymittere rerum eHouse moderatoris
- automaticmittens eventus a queue (PC Fenestra presul capta perauxiliaris foribus portarum)
- curritperlucidum modus inter Ethernet et serial interfaces ad configuraretractus et moduli deprehendere problems
- INGENEROsoftware configuratio moderamine panels , tabulas , Suspendisse potentiet quamlibet hardware suggestus
- Enimconfiguration alicuius Ethernet MODERATOR , Application debet run insequenti via " CommManagerCfg.exe/a: CCI " , cum IPinscriptione controller parameter (VI characters - repleticyphras).In absentia default parameter pandit CommManagerconfiguration (oratio CCLIV). Configuring CommManager cumCommManagerCfg application , dissertum est in CommManagerdescription.
Description est limitatum pro EthernetRommManagerconfiguration.
Eo genere studium habeat numerum tabsobitus et non possimus , quae dependent typusEthernet MODERATOR.

IV.IV.I Generalis Tab– Generalis Occasus.

InGeneralis tab continet sequentia elementa.

- ReportLevel - Level Reporting stipitibusque 0, - non , I – omnes , tum (inaltior est numerus , minus propono informationes).
- DevseHouse I comes - Number of RM (nam CommManager concausam Hybridmodus eHouse (eHouse I sub CommManager vigilantiae).Lego0.
- INVENTUMNomen - Nomen Ethernet MODERATOR
- ModificatioEnabled - Summis mutare et dat nominaoccasus
- LoggingUART Disabled - Priuat mittere logs via RS - CCXXXII (vexillum oportet essesedatus)
- ERM - lego typus of controller (radio puga pyga) –EthernetRoomManager
- UltrarubrumOccasus - Ultrarubrum Insecta/ReceptioneCommunionis Occasus pro ERM
- PoneTempus - Paro tempore current MODERATOR
- TransparensEthernet/UART I - perlucidum modus inter Ethernet et serialportus I Ad convalidandum configuratio et propria operatioperiphericis adinventiones
- TransparensEthernet/UART II - perlucidum modus inter Ethernet et serialportus II Ad convalidandum configuratio et propria operatioperiphericis adinventiones
- ResetINVENTUM - Opprimere Reset controller
- PartumMobile File - Generare configuration lima pro imperium panels
- SalvumOccasus - scribere configuration , obitus et oneratis auriga.
- LoggingINVENTUM - Launching TCPLogger.exe application, ad reprimendam controllerlogs in casu problems.
- SendInanis Test Event - Test Mittit ipsum eventum moderatoremreprehendo nexu.
- EventCreator - Edit et curre system eventuum.
- Inprimus nuntius fenestra est adsuesco assuesco ut propono text logs



Insecundus textus arca archa est adsuesco assuesco pro perlucidum modus posito text mittiad controller.Instaret “ Intrare ” Mittit notitia adcontroller.Enim ASCII textu solummodo.

IV.IV.II .Analog - ad - digital converters - Occasus

Duoformis " Analog ad Digital Converter occasus " (ADC) referturad configuration et parameterization mensuras inputs etdefinitiones ADC progressio.Singulis continet VIII ADC inputs .Configuration cuiusque input idem est.

Ethernet eHouse Manager

General | Analog to Digital Converter Settings | Analog to Digital Converter Settings 2 | Inputs Settings | Events | Programs | Net Settings

A/D Converter 1 LM335 Min Value: 2,3 C Under Event Max Value: 5,2 C Over Event	A/D Converter 2 LM335 Min Value: 18,1 C Under Event Max Value: 18,8 C Over Event	ADC Programs ADC Program 1 ADC Program 2 ADC Program 3 ADC Program 4 ADC Program 5 ADC Program 6 ADC Program 7 ADC Program 8 ADC Program 9 ADC Program 10 ADC Program 11 ADC Program 12 ADC Program 13 ADC Program 14 ADC Program 15 ADC Program 16 ADC Program 17 ADC Program 18 ADC Program 19 ADC Program 20 ADC Program 21 ADC Program 22 ADC Program 23 ADC Program 24 Change Program Name ADC Program 1 Change ADC Input Name A/D Converter 3 Update Program
A/D Converter 3 LM335 Min Value: 20,1 C Under Event Max Value: 24,3 C Over Event	A/D Converter 4 LM335 LM335 LM35 Voltage % % Inv MCP9700 MCP9701	
A/D Converter 5 LM335 Min Value: 22 C Under Event Max Value: 26,2 C Over Event	A/D Converter 6 LM335 Min Value: 20,1 C Under Event Max Value: 23 C Over Event	
A/D Converter 7 LM335 Min Value: 11 C Under Event Max Value: 12 C Over Event	A/D Converter 8 LM335 Min Value: 14,3 C Under Event Max Value: 18,1 C Over Event	

☐ Use Direct Controlling (limit rollers to 27) - no Events definition Necessary

Ad Muta main occasus , necesse est, ad reprimendamactivation flag " Modificatio enabled " de " Ducem " Forma.

- Adprincipio nomen sensorem debet esse edit (per clicking inmutato nomine de area circuli " Mutare ADC input nomen "
- Aliuscriticam factor est de selectione mensurae detector type:
LM335 - temperies sensorem (- 40C , 56C) cum a angustus range (10mV /C) ,
LM35 - temperies sensorem ,
Voltage - voltage mensurae < 0 , III.III V)
% - Quantum mensura recipisad voltage III.3V
% Inv - metiens valor reverserate (C % - x %) Talis ut photo - transistor (negative scalemapping)
MCP9700 - Temperature sensorem Lorem plenus temperiesrange (10mV/C)
MCP9701 - Temperature sensorem amet, plenamrange of temperaturis (XIX.5mV/C)
- Poststatuentes rationes sensoriis pro omnibus inputs , eventus potest assignariad superiores et inferiores limina relevant system eventuum , eg .(Componendasque physica pretii uel significantes excederet terminum).
HocIn a nisi sit titulus " Sub Event " - veneficus ,discriptis ab a album of eventuum et correspondente eventum exclicking " Accipe " .
In superliminaribus positus est aclicking " Max eventus " label , eligendo desideravit eventus etclicking " Accipe " .
- Posthis gradibus , instare oportet " Salvum Occasus "on " Ducem " Forma.
- InProximum est ut nomina elit ADC.
Similiter , eamnecessarium est ad Flag " Modificatio enabled " est enabled.Eamnon traditur , et utrumque tempus deactivated ad impediendam accidentalismodificatio.
- Legoet rationem ex numero " Mutare Program Nomen "agro posuit desideravit valorem.
- TuncADC progressio edition - definire limina (min , max) omnium ADC inputpro singulis progressio.
- Quandointraveritis valor ipsius limina in selectable notitia agro , exsisto certus utpremere descendit sagitta desumo artissimum valentiam de list.

Quando creando occasus pro ADC obliviscendum nonutrumque transfusor configuration tabs in calculum etUbi cavendi sunt agitadores inputs , aut configurareeis decenter.

Number mensuras inputs praesto sintpendet ex genere of coegi hardware version , iunctus utinterno sensoriis , moderatorem firmware.Utcunque ergopotest contingere quod non ex usu negotiosam et input.Enimoccupatus inputs non debet connectantur in equidistant vel shorted sensoriis sicuthac PROCLIVE mensuras aut laedas auriga.

Poststatuentes superius et inferius terminos progressio , premere " UpdateProgressio/Update Progressio " .

Quondam vos have omnia ipsa creavitprogressio requiritur ad oneratis agitadores instando " SalvumOccasus/Salvum Occasus " .

IV.IV.II.I .Calibration ADC inputs

Invalores ;

Morbi sunt calculata super fundamentumproprietates sensorem et mensuratum voltage conferendopotentia suply vel procedendum voltage , quae permittit eos calibratedtextum mutavit pretium lima " % eHouse % \XXXXXX\VCC.CFG "pro potentia copia (ubi xxxxxx - est inscriptionecontroller).

A magis accurata calibration est possibile emendoin " *.CFG " lima in directorium:" % eHouse % \XXXXXX\ADCS\" numerus enim de sensorem.

Inrectam rationem utriusque sic fasciculus (includat tantumintegri sine decimales punctum).

Hi data sunt calculata fundatursensorem scala ad conversionem (secundumcopia voltage vel procedendum - normalized) by analyzing aequatioFactor + cinguli * x (ubi x valorem indicationeADC < 0.. MXXIII>.

Primum (VCC aut Vref) * 10000000000 - mensusvoltage potentia, defectum, vel voltage reference si vos installed areference voltage source.

Secundo cinguli * 10000000000 - DC GERMENvalorem (exempli , in puncto 0)

3 Factor * 10000000000 -factor/scale

4 Subtilitas - praecisione/numerus digitorumpropono post decimales punctum

3 Option - numerumoptions (typus of sensorem - electio agro , incipiens ex 0)

4Putnam – additional textum calculata valorem ponenda in ligna aut panels (eg.% , C , K)

Deleting sensoriis files in " % eHouse %\XXXXXX\ADCS\" causat automatic recreationem et calculus valores.

IV.IV.III.DigitalInput Occasus

- In nomina digital inputs potest ingredi uel mutare post activation of " Enabled purus " optionem in forma generalis. Tabs " Input Nominibus " vel " Zonam Occasus " (NamCommManager) Apparuit.
 - In li cum a nisi selecta in nomine eius nomeneadem recensere in " Sensorem Name Mutationem " ager.
 - Praeterea " securitatem occasus " erit in eodem tab proCommManager.
 - Ingreditur additional occasus on " Input Occasus " forma.
 - Hic vos can paro input type (normalis/invertemus) , immutando flag Invertemus (Inv).
 - In casu normalis inputs controller reageret pro brevis input ad humus. Inverso input reageret pro DISSERTIO input a humus.
- CommManager moribus oppositum est EthernetRoomManager occasus inversae. Quia terror sensoriis generaliter operari " inaperiens contactus " CURSUS PUBLICI.
- Tunc vos can ullus assignari input ad datum eventus eHouse system.
 - Hoc fit ut notatur titulus clicking 'N/A' (Non programmed pro input) , in pari numero ex ea lego veneficus , et adfligunt in " Accipe ".
 - Quando omnes mutationes fiunt press " Salvum Occasus " puga pyga in " Ducem " forma , ad salvandas configuration et Fasciculum huius nominis onerare ad controller.

Numerum available inputs dependentin typum controller , hardware version , firmware , etc.User habetut animadverto quot inputs es available pro current typuscontroller et ego ne coneris PROGRAMMA plus quam availablequantitatem, sicut potest ducere ad resource conflictus cum aliis inputs autin - tabula sensoriis aut resources.

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IV.IV.IV .Programming Scheduler/Calendar of eHouse4Ethernet moderatoris

Ethernet eHouse Manager																
General Input Names Analog to Digital Converter Settings Analog to Digital Converter Settings 2 Inputs Settings Events Programs Net Settings																
Idx	Time	Date	Event Name	Direct Event	Hour	Minute	Year	Month	Day	DOW	AdtH	AdtL	Event	Arg1	Arg2	Arg3
1	0:0	xx xx xx xx (*)	ADC Program 1	00D26100000000000000	0	0	0	0	0	0	000	210	97	0	0	0
2	1:1	xx xx xx xx (*)	Output 1 (on)	00D22100010000000000	1	1	0	0	0	0	000	210	33	0	1	0
3	6:0	xx xx xx xx (*)	Output 1 (off)	00D22100000000000000	6	0	0	0	0	0	000	210	33	0	0	0
4	6:0	xx xx xx xx (*)	ADC Program 5	00D26104000000000000	6	0	0	0	0	0	000	210	97	4	0	0
5	17:0	xx xx xx xx (*)	ADC Program 2	00D26101000000000000	17	0	0	0	0	0	000	210	97	1	0	0

Tab" Events " est adsuesco assuesco progressio Scheduler/Calendar pedicarumcurrent controller.

- Quandovos vox - click in desideravit row (sive plenum sive cassus) , menu apparetcontinens " Edit " item.Post electionem Edit , Eventveneficus apparet.
- EnimScheduler/calendar procurator , tantum idem fabrica (localis) potest esseadditur (" Fabrica Nomen ").
- Inper " Event To currite " , eligere, congruis eventus.
- Tuncsatus type oportet esse selectos:
 " Facite Quondam " - desumospecifica calendar balanus quod vicis.
 " Multiple Vindex " - lego proficiebat Scheduler - calendar cum possibilitatemulla repetitio parametris (anno , mensis , die , hora , minute , hebdomadae die).
 " N/A - Non satus - ascendit "
- Postdeligendo eventus et tempus quaesitum ad currendam , " Add to Scheduler "oportet brusetur.
- Postaddendo, res omnes cogitavit , premere ius mus puga pyga etlego " Update notitia ".
- Postremo ,premere " Salvum Occasus " on " Ducem " tab.

Event Creator for eHouse			
Device Name	Address:		
Test10	000210		
Event To Run	☐ Execute Once ☒ Multiple Executions ☐ N/A		
Output 2 (on)	Multi Execution Day Of Month: Any Day Of Week: Any Month: Any Year: Any Hour: 0 Minutes: 0		
Command Type	Cmd	Arg1Cap	
Arg2Cap	Arg3Cap		

IV.IV.V .Definiens Outputs Programs.

Inprogressio operiet range of outputs , utrumque digital outputs etdimmers.
Progressio definiuntur in " Progressio ".

Adimmobili nomina progressio complectitur:

- Ponevexillum " Modificatio enabled " in " Generales, "forma
- Eligeex numero progressio
- Inper " Mutare Program Nomen " ager nomen progressio potest esse modified.
- Postmutans progressio nomina , singuli in progressio, definiri potest
- Legoex album progressio
- Ponecompositum ex outputs discriptis individuum occasus pro singulis output
N/A - non mutat output
IN - Enable
PROCUL - Verto off
Tempero sc - Temporarily verto in
- Ponein obscurius campester < 0.CCLV>
- Premeper " Update Progressio "
- Repeatpro omnibus inquisita progressio

The screenshot shows the 'Ethernet eHouse Manager' application with the 'Programs' tab active. The left pane displays a grid of 56 outputs (Output 1 to Output 56), each with a dropdown menu currently set to 'N/A'. The right pane shows the 'Security Programs' section with a list of 24 programs. 'Dzień Rano' is the selected program. Below the list, there are several configuration options: 'Additional Rollers' (unchecked), 'Change Security Program Name' (set to 'Dzień Rano'), 'Security Zone Assigned' (empty dropdown), and three radio buttons for 'Somfy System', 'Direct Motors', and 'Normal Outs' (the last one is selected). Under the 'Dimmer' section, there are three rows for 'Dimmer 1 [R]', 'Dimmer 2 [G]', and 'Dimmer 3 [B]', each with a value of 0. To the right of these are three more dropdowns for 'Rollers Movement Time', 'Rollers Activation Time', and 'Delay on Changing Direction', all set to 0. A button labeled 'Update Security Program' is located below these settings. At the bottom of the right pane, there is a field for 'Change Roller, Awnings, Gate Name'.

Adfinem press " Salvum Occasus " on " Ducem " tab ,upload procurator in ordinem servare et

IV.IV.VI .Network Occasus

Inper " Net Occasus " vos can quoque definiat, controllerconfiguration valet options.

Locus IP - (Non commendaturmutare - at eadem uerba fiericonfiguration) debet esse in network oratio CXCII.CLXVIII.x.x

IP larva(Non commendatur mutare)

IP Praesent (portae pro Penitusaccess)

SNTP Server IP - IP oratio de tempore server SNTPservicia

GMT TRANSMUTO - Tempus cinguli a GMT/tempus zone

SeasonCotidie PECULIUM - Activate seasonal aetas commutat

SNTP IP – UtilP de SNTP server oratio pro DNS nomen.

MAC Address -Non mutant (Mac oratio assignatur automatically - ultimum bytesumitur ex minimus byte de IP oratio)

Hostiam Name - nonsolebat

Passim UDP Port - Port for distribuerent notitia acontroller status via UDP (0 Stipitibus UDP nullam)

LICENTIATCP – Minimal Methodo logging ad server TCP/IP (namulterius entries ex album important maturius , tutius vias)

DNS I ,DNS II - DNS server alloquitur

The screenshot shows the 'Ethernet eHouse Manager' window with the 'General' tab selected. The window contains several input fields and checkboxes for network configuration.

Field	Value	Field	Value	Field	Value	Field	Value
IP Address	192.168.0.210	IP Mask	255.255.255.0	IP Gateway	192.168.0.253	SNTP Server IP (Time)	212.213.168.140
MAC Address	0004A3000000	Host Name	EHOUSE	UDP Broadcast Port	6789	TCP Authorisation	Chalange-Response
						DNS 1	216.146.35.35
						DNS 2	216.146.36.36

Additional settings visible in the window include:

- GMT Shift: 1
- ☒ Season Daily Savings
- ☐ SNTP IP

IV.V .TCPLogger.exe Application.

Hoc application est ad suesco assuesco colligere ligna de moderatorem quae potest esse traducitur via TCP/IP (directam connexionem ad server). Sicut parameter IP oratio de controller debet specificatur , "TCPLogger.exe CXCII.CLXVIII.0.CCLIV ". Fretus modularis occasus Report Level MODERATOR diversis amount of notitia est propono. Enim 0, acta praecclusas. Quantum ad maximum linformationes. Cum ad crescentem level , decrescit Report amount of informationes logged.

TCPLogger application, servatque continua TCP/ IP Server controller residunt processus efficientiam , ita debet tantum adhibeantur problems deprehensio , non continua operatione.

IV.VI .eHouse4JavaMobile application.

eHouse4JavaMobile est Java application (MIDP II.0 , CLDC I.I) , pro mobile phone et debet installed in Smart Phone aut PDA ad localem (via Bluetooth link) et remota (SMS , Aliquam) imperium of eHouse system. Efficit mittens rerum eHouse system et recipienti system logs via email . Efficit control eligendo subtilitate eventus de tabulis , adduntad queue et tandem mitto ad eHouse System.

Eligentes et coercendis Mobile Phone pro eHouse system usu.

Enime House system control PDA aut Smart phones es suadeo cum aedificare in Bluetooth transceiver , quae promovent consolationem et enable liberum locale control pro reddendo SMS vel dolor. Mobile phones opus in operating ratio similis Symbian , Fenestra Mobile , etc , sunt multo magis consolatoria , quia application potest operari omni tempore in curriculum vitae et facile potest et ieiunare accessed , debetur multitasking operationis system.

Tempestas pro Mobile phone pro comfortable usus et plenus functionality de Mobile Longinquus Procurator application:

- Compatibility cum Java (MIDP II.0 , CLDC I.I) ,
- Aedificain Bluetooth fabrica cum plena Java sustentationem (Class II aut Class I) ,
- Aedificain File System ,
- Possibilitas of install securitatem testimoniales pro signans Java application ,
- Mobile Phone - substructio in operating ratio (Symbian , Fenestra Mobile , etc).
- Qwerty keyboard est commodum.

Ante redimere et mobile phone pro eHouse system test certificarium et sic probabis version debet installed in desideravit fabrica quia multifabrica limitat aliqua functionality de Java sustentationem faciens usude Mobile Longinquus Procurator incommoditas aut etiam impossibile. Alterarum est operator limitations sicut disabling installation of libellorum , disabling installation of novus applications , limitare functionality de phone. Idem mobile phone exemplar adquisivit in tabernaculo sine operator restrictione operetur recte sub eHouse application , et non poterit operari in aliqua operator debetur strictione operator (eg. simlock , signans testimoniales , application installation). Limitationes idem exemplar ut diversae ab alia operators.

Software tentatus est pro instantia super Nokia (IX) CCC PDA.

Steps reprimetur Mobile Phone pro eHouse Syntaxis:

I. Pone Sim card et statuit date ad I Februarii MMVIII (iudicio certificarium validitatem).

II. Reprehendo mittendi SMS quod email a mobile phone.

III. Installing test certificarium ad module.

Certificarium debet esse exemplificandam telephono mobili et deinde add in luctus Procurator pro Java application subscriptionis. In accessum iura certificarium factis sequentibus liceret (application installation , Java installation , securus network). Reprehendo certificarium online debet esse disabled.

Sic certificarium can't installari aliis exemplar telephone debet esse solebat.

IV. Installing test application super mobile phone.

Effingoinstallation lima *.dolium, et *.jad ad mobile phone cum putnam" bt - signati " - quia exemplar cum Bluetooth et installatuscertificatorium vel " signati " - sine Bluetooth et cumcertificatorium installed Install postulavit application.Postinstallation intrare Application Procurator et statuit securitatem occasus proapplicationes ad summum available ut eliminate continua quaestio deoperating ratio.Occasus nomina et iura esse diversumpendentes, telephone exemplar et operating ratio.

Sequentesobvius iura adsuesco assuesco per Mobile Longinquus Procurator:

- Obviusad interrete: Session, vel semel (nam mittens emails) ,
- Messages:session, vel semel (nam mittens SMS) ,
- Automaticcursor application (Sess., vel semel) ,
- LocalConnection: Semper (nam Bluetooth) ,
- Obviuscum notitia lectio: Semper (legentem files a file ratio) ,
- Obviuscum notitia scripto: Semper (scribens files pligam ratio).

V.Application configuration.

In **isys** presul Supplevimus test installation mutatiodestination telephone numerus pro SMS intromissis SMS.CFG file (relinquo inanis linea finem file).

In " Bluetooth.CFG " file mutatione fabrica electronicum receptionemBluetooth mandatum (si fabrica mitteret imperat per Bluetooth).BTMachina hoc oratio necesse est esse debeant connexae PC cum installed etconfigured BlueGate.exe application.Mobile phone debet paribus addestination Bluetooth fabrica.

Effingo" isys " presul contenta in eodem , uni ex his locis:" D :/ isys/" , " C :/ isys/" , " isys/" , " Galeria/isys/" , " Gallery/isys/" , " predefgallery/isys/" , " Moje Pliki/isys/" , " Meafiles/isys/".

VI.Test applicationis operantes.

CurrereTestEhouse Application.

- Fenestracum electione agros INVENTUM , Event cum contenta in eodem appareat (si agros, sunt vacui - application can't legere files de " isys "presul quod lima debet transtulerunt ad alia location debeturlimitationem accessum.Si in eligere agros regionales chars non suntpropono codice page ponenda ad Unicode , geographici regio ,lingua ut postulavit valorem.Si effectibus't auxilium - telephonium non faciuntsustentationem lingua aut codice page.
- Siclonge application debet rogare't petierit aliquam quaestio (si iura definita est utspecificatus in supra demonstraumus).Aliis modis dicit accessum iurawasn't activated pro application , quid vult serio limitationemsystem.

-Probari possit email receptionem. Schematismi penitus iunctiooportet configured in phone.

Inmenu eligere optionem " Suscipe Files via Aliquam ".III plusesdebit apparuerunt in screen et post III aut IV minutes " View Log "debet viros ex menu et coercere certamine log.

Eamdebet vultus amo:

+ OKSalve ibi

USUFRUCTUARIUS.....

+ OKPassword requiritur.

PORTAE*****

+ OKlogged in

Stat

+ OK.....

LINQUO

Hocsignificat email receptionem prospere compleri et log posset esseclausa (" Close Log ").Alioquin penitus iunctio moreretur?verificari , Posset esse ratione activation GPRS occasus.

- Probari possitemail mittens.

- Elegit" Add Event " a menu , addere ipsum eventum queue.
- Elige" Send via Aliquam " a menu.
- Systempetit acceptatione et User confirmare debet.
- " MittensEmail " info apparet et post aliquem successiva step + chariapparet et tandem " Aliquam Sent OK ".
- Postcompletionem log debet observari:

.....

> EHLOibi

< CCL - *****Salve Ibi [XII.XXXIV.LVI.LXXVIII]

....

....

...

...

AUTHPLANUM *****

< CCXXXVAuthenticas declarandas successit

> MailEX: CXXIII @ CXXIII.pl

< CCLCALLIDE

> RCPTTO: (MCCCXII)CCCXII @ CXXIII.pl

< CCLAccepted

> INDICIUM

< CCCLIVfinis notitia cum < CR> < LF>.< CR> < LF>

> Mittenscaput capitis et nuntio corpus

< CCLOK id = *****

> LINQUO

< CCXXI***** Operti nexu

Incasu of problems mobile phone lant ut signum verificari.Pluresiudiciis Agenda.

- Verificationemmittendi SMS:

- Elegitex pelagus menu " Add Event " , addere ipsum eventum queue.
- Elige" Send via SMS " a menu.
- Systempetit acceptatione et User confirmare debet.
- " SMSMisit OK " info debet apparet in ostensionem , et nuntio debet esseaccepit in GSM mobile phone de programmed numerus.

- Verificationemmittendi eventus via Bluetooth:

- In alia experiri Bluetooth transmissio , fabrica definitur in fileBluetooth.CFG oportet esse prope phone.
- BlueGate.exeapplication oportet esse currens , qui mittit in confirmatione.
- Bluetoothad inventiones debet paribus.
- BlueGateoportet configured, quemadmodum de hac applicatione.
- Utrumquead inventiones oportet esse switch super.
- Elegitex pelagus menu " Add Event " , addere ipsum eventum queue.
- Legoa menu " Send via Bluetooth ".
- Postbreve tempore (usque ad I minute) nuntius " Misit via Bluetooth OK "media omnia OK.
- Alioquinlog examinandus (" View Log ").

BluetoothLog debet vultus amo sequuntur:

Inquisitioin Procursu (a)

INVENTUMInventa: *****

Hostiam***** (*****) In jugum

Scrutantes inpro eHouse Service

eHouseService Found

Connexaad eHouse Service

LectioResponsum a Server (b)

Dataperfecerunt PROSPERE a Server

SiOstenditur pars acta monstrare (a) , medium hoc fabrica ain tabula Bluetooth.CFG file wasn't fundata , vel quod non declinavirange.

Sipars log propono ante finem punctum (b) , medium hoc non estqualificato vel non configured proprie.Machinae debet paribuspermanenter , sic quaelibet necessitudo posset statui , sine ullaqueries, ad confirmationem,.

Silogs emicuit usque ad demonstravisse (b) , hoc dicit BlueGate non faciuntcurrit vel est iunctus ad iniuriam portum.

Javaoftware installation in PDA.

Pluresgressus indigetis ut, consecetur adipiscing elit ut install application.

Certificatoriumdebet esse exemplificandam telephono mobili et deinde add in luctus Procuratorpro Java application subscriptionis.In accessum iura certificatoriumfactis sequentibus liceret (application installation , Javainstallation ,

securus network) , certificarium online tenendo debet esse disabled.

Sicertificarium can't installari aliis exemplar telephone debet esse solus.

IV. Installing application super mobile phone.

Effing installation lima *.dolium, et *.jad ad mobile phone cum putnam" bt - signati " - quia exemplar cum Bluetooth et installatus certificarium vel " signati " - sine Bluetooth et cum certificarium installed Install postulavit application. Post installation intrare Application Procurator et statuit securitatem occasus pro applicationes ad summum available ut eliminate continua quaestio de operating ratio. Occasus nomina et iura esse diversum pendentes, telephone exemplar et operating ratio.

Sequentes obvis iura adulesco assuesco per Mobile Longinquus Procurator:

- Obvis ad interrete: Session, vel semel (nam mittens emails).
- Messages: session, vel semel (nam mittens SMS).
- Automatic cursor application (Sess., vel semel)
- Local Connection: Semper (nam Bluetooth)
- Obvis cum notitia lectio: Semper (legentem files a file ratio)
- Obvis cum notitia scripto: Semper (scribens files pligam ratio)

Sicertificarium can't installari , installation version cum putnam" not signed " Agenda. Tamen hac applicatione est unrecommended quia System rogabo user et frequenter acceptatione ante completio aliquas operationes superius descriptus.

V. Application configuration.

- In isys presul Supplevimus installation , mutare destination telephone numerus pro SMS intro missis SMS.CFG file (relinquo inanis linea finem file).
- In " Bluetooth.CFG " file mutatione fabrica electronicum receptionem Bluetooth mandatum (si fabrica mitteret imperat per Bluetooth). BT Machina hoc oratio necesse est esse debeant connexae PC cum installed et configured BlueGate.exe application. Mobile phone debet paribus ad destination Bluetooth fabrica.
- Effingo " isys " presul contenta in eodem , ad unam de sequenti locis: " D :/ isys/" , " C :/ isys/" , " isys/" , " Galeria/isys/" , " Gallery/isys/" , " predef gallery/isys/" , " Moje Pliki/isys/" , " Mea files/isys ".

Bluetooth configuration.

BT nectunt configuration " Bluetooth.CFG " Fasciculi allocutionibus associatorum Bluetooth ad inventiones supportantes eHouse system singulis oratio in una linea (usque ad X oratio es accipitur). Application ante probatio Bluetooth transmissio , currere inventionem functio , et tunc mittit rerum primo invenit fabrica a list. Bluetooth ad inventiones alii tunc compatitur eHouse system cant potest adicere ad configuration file quia Bluetooth transmissio confirmatione indiget, a militiam . Mobile phone debet copula una cum omnibus cogitationibus ex albumin " Bluetooth.CFG " file (nam automatic connexionem sine ulla queries (per lucidum modus). Requiritur ex parte ipsius Bluetooth ad inventiones , quae debet paribus ad mobile phone pro automatic nexu.

Enim singulis Bluetooth machinae eadem passkey assignari debeat , et COSIGNO + encrypt optionem debet adhiberi.

Due coarctatis range of Bluetooth (peculiari modo pro mobile phones cum BT Class II - maximalia range est circa X meters in libera aeris). In locis ubi in lineae rectae inter Mobile telephorum Bluetooth fabrica crassus murus existit , fumario , pavimento fractione connexionem observari potest debitum ad perturbationes ab aliis systemata WiFi , GSM , etc. Comitibus, Bluetooth module augeri ad assequendum expectata range imperii indomo et extra. Unum BT fabrica potest installed in PC (eHouse server) , requiem potest esse adiunctum ad Room Manager' latitudine

socors.Datatranslationis via Bluetooth est libera, et solum localis.

Bluetoothconsideratione.

Bluetoothoportet manually verto in in Mobile Phone ante initializenexu.Other application assuetudo Bluetooth debet rogare'tconfigured pro automatic connexionem ad mobile phone , quae saepeallocates omnes Bluetooth canales available in phone (e.g.NokiaPC Suite , SOLARIUM Up super Bluetooth nectunt , File Procurator quasi BlueSoleil).

Examplede Bluetooth.CFG file

01078083035F

010780836B15

0011171E1167

SMSConfiguration.

Unumfile " SMS.CFG " postulo ut constituatur in SMS configuration .Hic fasciculus oportet continet valet mobile Phone numerus pro SMS receptionemvia eHouse system.

SMSGatein PC debet installed et configured proprie , et cyclically currere .Other solutio est receptio ab CommManager , quae incorporat GSMModule.

Examplede SMS.CFG file

+48511129184

AliquamConfiguration.

Configuratio de Aliquam POP3 et SMTP clients Reposita est in " email.CFG "file.

quisquesubsequens linea consistere sequenti occasum:

LineaNo.parameter exemplum valorem

I SMTPemail oratio (mittente) tremotemanager @ isys.pl

II POP3email oratio (receptator) tehouse @ isys.pl

III militiamnomen pro SMTP ibi

IV IPoratio POP3 server (ocius tunc DNS): portnr mail.isys.pl: CX

V POP3Nomen usoris tremotemanager + isys.pl

VI passwordpro POP3 User (CXXIII)CDLVI

VII IPoratio SMTP server (velocius DNS): portnr mail.isys.pl: XXVI

VIII Usernomen pro SMTP server tremotemanager + isys.pl

IX Userpassword pro SMTP server (CXXIII)CDLVI

X Nuntiussubjectum eHouse Controll

XI Auctoritate pro SMTP y , Y , I (si etiam) ; n , N , 0 (si nulla)

XII inanislinea

Hoc configuration enables mittens praecepta ut eHouse system , via Aliquam .GPRS servitium debet enabled a GSM operator penitus iunctio debet configured pro automatic nexu. Superaddita Email Gateoportet configured et curre cyclically reprimeretur eHouse dedicavit stipes officium et mittens logs.

Mittenset recipienti Aliquam est payable et custagiis dependent a operator.

Mobile Longinquus Procurator Ritus.

Application habet facilis et intuitiva user interface , certificare efficiens et comfortable opus super totidem phones ut possibilem. Due in multas aut diversas ostentus moles et proportio , nomina et options sunt elevat , esse visibilis in ullam phones.

Data pro Java application recreantur solum vicis quando eHouse application est executiva cum/mobile switch et debet recreandas post nomen mutationes , novum progressio creationis , etc , et copitum ad mobile phone (Isys) presul.

Machinae nomina sunt recondita excogitet.txt file et potest esse individualiter et manually sorted by user. In una linea unam fabrica nomen oportet esse continentur , in finem illius file.

Events nomina locentur in files cum eodem nomen sicut est repono in ad inventiones.txt file et versa pariter cum politura regionales chars ad vexillum ASCII litteras (et extensionem » ;.txt " , vitare problems per file creationis in multos perficiendis systemata super mobile phone. File contenta in eodem potest sorted desideratoque via (I linea continet I eventus) , unum inanislinea in fine file.

Omnes configuration lima creata sunt super PC, per eHouse.exe application cum default fenestras codice page (fenestras...) Quod is debet rogare't mutari .eg.(Usu ceterus operating ratio). In alio casu regionales chars voluntas reponi ab aliis chars " hashes " vel applicationem voluntas generare plures gravibus erroribus.

III Electio agros praesto sint:

- INVENTUM ,
- Event ,
- Modus.

Sequentes menu items available:

- AddEvent ,
- Send via Bluetooth ,
- Send via SMS ,
- Send via Aliquam ,
- Suscipe files via Aliquam ,
- Irrita Operatio ,
- Occidere Application ,
- View Log ,
- Close Log ,
- Exeunt.

Mittensrerum eHouse System.

- INVENTUMet Event debet lego , , ut peterent modus tunc Add Event a menuexecutioni mandari debere.
- Hocgradum et iterari pro singulis desideravit eventus.
- Amenu transmissio modus administrabuntur: " Send viaBluetooth " , " Send via SMS " , " Send via Aliquam " .Eventus in interno queue ipso facto sunt deleta est postquam prosperetransmissio

Percipientessystem logs via Aliquam.

Simittens ligna de eHouse via Aliquam est enabled , hoc logs potest esseacceptit a mobile phone reprimeretur fabrica civitates , outputinput activated , analogi canales valores.

MenuItem debet esse faciunt " Suscipe files via Aliquam " , Mobilephone download plurrimi repens logs , convertens et conportabis eos sicut filesin " isys/logs/" presul.

CollocarintCurrent Insecta

Duead mobile features of mobile phone et possibilis problems per range ,dissipatas transmissio , GSM system failures , additional salus mechanismlata est remissionis transmissio.Si transmissio durat nimium diuaut propono ostendit problems , hoc munus, potest fieri gutta etRATIOCINOR ulla affinitates executionem - " Abrigavi operationem " , ;ex pelagus menu.

Adresend eventus post defectum novum eventus oportet addere ut eam capacem efficiat.

ApplicationLog

Quisquecurrent transmissio est logged et in casu dubii si omniait OK , hoc log potest sedatus eligendo

" ViewStipes " a menu.Postea " Close Log " debet essefaciant.

IV.VII .EHouse4WindowsMobile application (Fenestra Mobile VI.x)

eHouse4WindowsMobileest software application admittit imperium of eHouse systemcum tactus screen , graphicpanels , mobile phones , PDAs , Suspendisse potenti , currit sub FenestraMobile VI.0 vel superior.Suggero a graphical control cum simultaneovisualization machinis et actualis opus parametris.Utrumque potest esselsingillatim creata in CoreIDRW application ,post generandi nomina obiecta, et utique a eHouseapplication.

In vacua file " *.CDR " template file proeHouse ibi sunt utiles Oppugnatio , importat notitia ex eHouse systemapplicatione et export ad aliquod visualization panel system.Partumviews dicetur postea in hoc documenta.

EHouse4WindowsMobileapplication enables in - linea lectionem moderatoris status et solventgraphical visualization obiectorum , quando iunctus ut a TCP/IPserver cursor in communicatio module aut eHouseapplication for PC vigilantiae.Possibile est ad coercendassystem via WiFi vel Interrete (in - lineam) , SMS , aut e - mail.

Enimtertius - partis developers et software bibliothecis lus aliiavailable pro Fenestra Mobile system writen in C #:

- fulcitdirige communicatio cum coegi ,
- automaticac personales visualization
- statusupdates online visualization
- dirigatgraphical Controlat moderatoris aut a simplici intuitiva forma
- sinovos ad creare vestri own graphic software imperium panels

IV.VIII .eHouse4Android Application et bibliothecas

eHouse4Android est software application admittit Controlat eHousesystematis ab tactus screen graphic panels , mobile phones , PDAs , Suspendisse potenti , tabulas cursor in MASCULINUS operating ratio (II.III autsuperior). Et dat graphical control cum simultaneo visualization de magistrae statum et vere opus parametris . Utrumque potest singillatim creata in CorelDRW application post generandi nomina obiecta, et utique a eHouse systemsarcina.

In vacua file " *.CDR " template file pro eHouse , sunt utilis Oppugnatio , importat notitia ex eHouse system applicatione et exportare ad aliquod visualization panel system. Creare views erit discussa postea in hoc documenta.

EHouse4Android application enables in - linea lectionem moderatoris status et solvent graphical visualization obiectorum , quando iunctus ut a TCP/IP server cursor in communicatio module aut eHouse application for PC vigilantiae. Possibile est ad coerendassystem via WiFi vel Interrete (in - lineam) , SMS , aut e - mail.

Ehouse4Android potest recipere passim status a moderatoris via UDP (sine permanentem connexionem ad TCP/IP server).

In application quoque sino vos tempero system cum humana dicendi usura " loquela recognitionem ".

Enim tertius - pars developers et software bibliothecis praesto sint (templates) pro MASCULINUS:

- fulcit dirige communicatio cum moderatoris
- automaticac personales visualization
- continuastatus updates online visualization
- dirigat graphical imperium of moderatoris vel ex intuitiva forma
- sino vos ad creare vestri own graphic software imperium panels
- fulcit " loquela recognitionem "
- fulcit " loquela synthesis "

IV.IX .Visualization et SIGNIFICANS Control - Views et objecta creationis.

Postfinalis configuration omnium cogitationes in eHouse application: Appellavitque ad inventiones , Significationibus (Analog sensoriis , digital inputs , outputs , progressio , terror sensoriis , et creatio eventus , eHouse.exe debet exsequendum "/CDR " parameter extrahendis omnia nomina et eventus pro Corel Inténde Macro , importat eam ad inanes visum file.

Views cum nomen proprium, dicatur creari (in casu usu visualization aut graphical control - a exscribend testatem inanis file parter. CDR ad nova unus nomine ut futurum View Name). Views potest creari in Corel Inténde application (Vcr.XII, vel maius) (sit existimatione vel demo version).

Postea file debet aperitur per Corel Inténde application , per geminus clicklima de " File Rimor " et elegit macro (tools - > visualbasic - > fabula elegit ex list eHouse et tandem Visualization.createform). X , Y moles in metra debet ingressus premere Partum Document puta pyga. Is mos creat Page per specificatur mole et layers pro singulis ad inventiones et singulis eventibus. Unum layer erit creata cum nomen {fabrica nomen (eventus nomen)}. Tunc script debet esse clausi et moles recte et unitas est meter. Views edition potest esse consequitur in dupliciter: manual tractionem directe in creata , inanis canvas aut automatic via auxiliaris macro functio.

IV.IX.I. Automatic tractionem favorem exitia Macronis Function.

Hoc modus est praesertim benevolens quando nos postulo praecisam dimensione, & situationes e.g. hauriendam aedificandi descriptio. Is quoque confirmat compatibility cum aliquo available visualization aut graphical control modus in eHouse system. Haec methodus actu posuit praefinitum, obiectum cum praecise definitur parametris in lego layer.

Enim automatic tractionem obiecta aperire (tools - > visual basic - > ludere sumo ex list eHouse et tandem Visualization.NewObject).

- Pone offsetx , offsety parametris quae est motus a puncto (0 , 0) definitur globally.
- Elegit ex list Fabrica nomen et eventus (Leyr) et tunc " Create/Activate Fabrica ".
- Elegit obiectum, aenumerare ad hauriendam (ellipsis , POLY - linea , rectangulum , circum - rectangulum , label).
- Pone rogatur parametris (x1 , y1 , x2 , y2 , width , color , replete color , rotunditatem).
- Preme " Locus Obiectum " puta pyga.
- In casu undesired eventu " Abrogare " , executioni mandari potest.
- Repeat his gradibus quia omne obiectum, et utrumque layer.
- Post creationem omnes obiecta " Generare Files " , cogendi , et aliis views creationis methodos , quae creabit lima pro multis et diversis visualization genera (Visual.exe , eHouse Mobile , SVG , XML + SVG , HTML + maps).

IV.IX.II. Manual tractionem obiectorum.

Objects creata sunt manually in pariete visu , usura Corel methodo strahens. Due ut system constantia ignotum figurarum et parametris sunt dissimulari et tantum nota figuras hauriendam.

Ad assequendum bonum simulacri solum sequens obiectum est hauriendam:

Trahens Ellipsium posuit in rectangulum coordinat diameter (X1 , Y1) (x2 , Y2) . Acceptabile, parametris sunt:

- Adumbratim width ,
- Adumbratim color ,
- Implete Color.

Trahens Rectangulum coordinat diameter (X1 , Y1) (x2 , Y2). Accepted parametris sunt:

- Adumbratim Width ,
- Adumbratim Color ,
- Implete Color.

Trahensrectae inter II puncta (X1 , Y1) (x2 , Y2).Acceptabile, parametris sunt:

- Adumbratim Width ,
- Adumbratim Color ,
- Implete Color.

TrahensRotundatis Rectangle (X1 , Y1) (x2 , Y2).Acceptabile, parametris sunt:

- Adumbratim Width ,
- Adumbratim Color ,
- Implete Color.
- Radius - in %(Aequalis esse debet pro omnibus angulis)

LocatisLabel (X1 , Y1)

- NarraWidth ,
- NarraColor ,
- ImpleteColor ,
- Text ,
- {Typemutari accumsan et magnitudine , verum tamen ut aliiscomputer quod sine Corel trahere et TCP panels (Fenestra mobilis), Communepelvis utendum Arial , tempora novus Romanus etc ad invigilandum, propriumopus in multis tabulatis adlevatae (Fenestra XP , Fenestra Mobile , Multi WebNavigatores super diversas operating ratio)}

Objectsit creatum in inquisita layer assignari ad statum fabrica.

OmnesColores oportet esse RGB colores , alioquin convertentur ad RGB si possibile.Si Conversio est possibile non erunt paro utdefault color (replete niger , summatim Red).Posset tunc suffectosvalet colores ex RGB palette

Enimusu Internet Pasco graphic control aut visualization , pasco tutumcolores debet adhiberi.

Poststatuentes omnia objecta pro singulis necessaria adinventiones , civitates et eventus, .Post omnia objecta creationis , visualization export macro habet esseexecuti (tools - > visual basic - > fabula elegit eHouse a albumtandem Visualization.NewObject).

" INGENEROFiles " , cogendi , et aliis views creationis methodos ,quae creabit lima pro multis et diversis visualization genera(Visual.exe , eHouseMobile , SVG , XML , HTML + maps).Is dat possibilitasratione usum transferre imperium multipliciter.

V .Notes:

VI.Contact/Cooperation/Documentation

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email: Biuro@iSys.Pl

GPS: (N: LII st 2min XLIV.3s ; E: 21 15min XLIX.19s)

[Map](#)

Productorem , fabrica ,elit home page:

www.iSys.Pl Www.isys.pl / - Polonica Version

www.Home-Automation.isys.pl Domum - Automation.isys.pl / - Anglicus Version

[Www.isys.pl /? home_automation](http://Www.isys.pl/?home_automation) - Other Languages

Exempla , Facere ItVestri (DIY) , programming , cogitans , tips & dolis:

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