smart Econ Home Manager

CONFIGURABLE AND MODULAR SYSTEM CONTROLLER

Universal controller for complex heating installations, air conditioning and building automation

CUSTOMER BENEFITS

Clear and logical overview of the Home Management System:
- full graphic colour display
- display of current temperatures and operating states
- animated icons for heat generator, pumps, mixers and other loads
- optional integration of your own graphics

Customization possible (configuration via emz):
- adaptation of menu structure, user levels, functions and hydraulic schemes

Configuring your own specific system: compilation of features from the fields of domestic engineering, heating and air conditioning, lighting, other loads

Simple and intuitive operation via symbol-supported plain-text display

Convenient remote access and visualization to the smart Econ Cloud via the integrated Ethernet port:
- reduced travelling expenses thanks to remote servicing
- straightforward access via WiFi to a host of terminals for time-saving plant monitoring
- permanent safety thanks to active error signalling feature

CAN system bus provides straightforward and safe expansion options for up to 160 inputs and 200 relay outputs

System update possible via integrated microUSB interface

Integrated activation of high-efficiency pumps via PWM/0-10V

emz smart solutions

smartEcon HOME MANAGER OVERVIEW OF FEATURES

Hardware	User-Interface*	I/O Module V1.5	RC
Number of inputs for temperature sensors depending on model, e. g. PT1000	-	8	-
thereof switchable (potential-free or temperature input or pulse counter)	-	8	-
Number of analog inputs	-	2	-
Number of inputs for vortex sensor	-	1	-
Number of analog outputs PWM / 0-10V - for high-efficiency pumps	-	2	-
Number of relay outputs - make contact, potential-free, max. 3A - for pumps, valves, boiler	-	3	-
Number of relay outputs - make contact, 230V output, not potential-free, max. 3A - for boilers	-	7	-
Energy generator stage 1	-	optional	-
Energy generator stage 2	-	optional	-
Energy generator stage 3	-	optional	-
Unmixed heating circuit	-	optional	-
Domestic hot water circuit	-	optional	-
Heating circuit with mixing valve and separate pump	-	optional	-
Number of outputs PWM / 0-10V switchable	-	2	-
Ethernet port for PC connection, configuration update	√	-	-
CAN system bus port	√	√	√
(Micro) USB port for PC connection, configuration update	√	-	-
Full graphic TFT colour display 3.2", 240x320 pixels	√	-	-
Opentherm as optional supplementary module	-	√	-

Operation and efficiency functions

Energy generator

Adjustable minimum temperature	√	√	-
Adjustable maximum temperature	√	√	-
Adjustable minimum pause time	√	√	-
Counter for starts of energy generator	√	√	-

Heating circuits and additional functions

8 operating modes adjustable (OFF, automatic, day, night, frost, summer, screed, emission measurement)	√	√	-
Adjustable offset (+/-10K) for each sensor	√	√	-
Heating curve separately adjustable for each heating circuit (4-point definition)	√	√	-
Anti-legionella function	√	√	-
Straightforward solar function	√	√	-
Adjustable data for vacation and public holidays	√	√	-

Additional functions in combination with PC configuration software

Free configuration of inputs and outputs	√	√	-
Additional 3 operating modes for cooling (cooling only, heating only, automatic heating / cooling)	√	√	-
Cooling curve separately adjustable for each cooling circuit (4-point definition)	√	√	-
Ccomprehensive set of logical functions to generate your own heating functions	√	√	-
Functional package Ventilation (heating and cooling)	√	√	-
Adjustable times for solar priority function	√	√	-
Reset to default settings	√	√	-
Optionally assignable boiler pump with adjustable shut-off delay	√	√	-
Optional return temperature increase via mixer	√	√	-
Boiler cascade via adjustable starting integral	√	√	-
Optional modulation via 3-point or analog signal 0-10 V (additional analog module required)	√	√	-

Functions

- Single-room control via room controller for heating and cooling
- Control of domestic hot water preparation, circulation control
- Integration of solid fuel boilers, gas and oil-fired boilers, district heating and heat pumps
- Integration of solar thermal plants
- Control of ventilation systems
- Integration of photovoltaics and utilization of internally produced electrical power
- Straightforward integration of area heating systems, garage door monitoring, garden irrigation, roller shutter control ...
- Time control and logic functions for multiple applications

Home Manager Modular - HM

Modular system consisting of:

User interface in high-quality design for wall-mounting or installation into the boiler panel
Dimensions 144x96x35 mm

I/O module in DIN rail housing (top hat rail mounting)
Dimensions 157x86x58 mm

Room Control - RC

Room unit for room temperature measurement and adjustment of temperature setpoint

Party and absence function

Configuration software

PC software for configuration of the Home Management System

Definition of customized menu structure and user levels

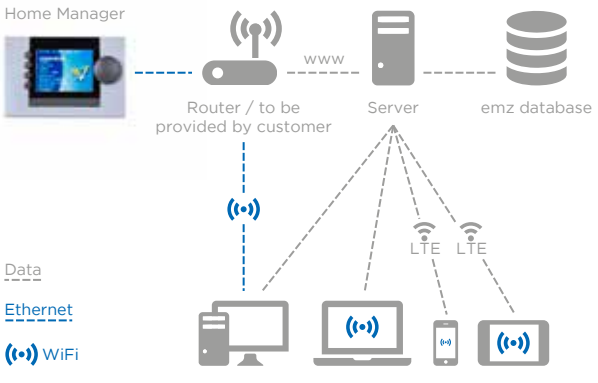
Integration of various plant components via prefabricated function blocks

smartEcon HOME MANAGER FIELD OF APPLICATIONS

smartEcon Cloud

CONVENIENT REMOTE ACCESS TO YOUR emz HOME MANAGER

www.smarteconcloud.com



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