

Clima

e-Display, e-Display Plus



Display for fan-coil control



RD.970000-000

Display with multiple sensors for room climate control

e-Display and **e-Display Plus** are a family of visualization displays used for climate and fan-coil control in hotel rooms and offices. A wide variety of models with different sensors can be used by the system integrator in any installation to get the maximum energy saving as possible. The products are available with different frames to select the one that best fits any room space.

For room climate control the device is including a temperature sensor in the front panel and optionally an humidity sensor to control at any time the room temperature. In order to achieve a correct air renovation, the product is available with a CO2 sensor used to control the position of the air flow dampers. If an occupancy control is requested for the room, one model is available with a motion sensor in the front panel, that provides the possibility to detect the room unoccupied and change the climate to low power consumption and switch off the lights.

Two product models are available depending on the application: the **e-Display** to communicate directly with the **e-Room Controller**, and the **e-Display Modbus** to communicate with any Modbus device of the market. The products communicate with any fan-coil controller or room controller using an standard RS-485 interface

Display for fan-coil controller

Temperature, humidity, CO2 and motion sensor

Remote monitoring of climate control and sensors

Modbus protocol over RS-485

Different frames and colors available

Temperature, humidity, CO2 and motion sensor
in a single device



DATASHEET

Remote control

- Climate ON/OFF control
- Ambient temperature and setpoint to show on display
- Different icons available to modify over the network: Window, alarm, heat/cool/auto mode, Fan-coil speed, CONF/ECO/ANTI mode, %HR, ppm

Monitoring with BMS

- Room temperature sensor for climate control
- Room humidity sensor for climate control
- CO2 sensor for air flow renewal
- Motion sensor for occupancy control
- Setpoint temperature, heat/cool mode, fan-coil speed

Device configuration

- Modbus address, speed and parity
- Celsius/Fahrenheit measuring units
- Fan-coil speeds
- Default setpoint
- Maximum/minimum user setpoint limits
- Setpoint/temperature to show on the display
- Different pushbutton lock options

Features

e-Display and e-Display Plus

- Supply Voltage: 12Vdc
- Interface: RS-485
- Protocol: e-Room Controller
- Network terminator included

e-Display Modbus and e-Display Plus Modbus

- Supply Voltage: 24Vdc
- Interface: RS-485
- Protocol: Modbus RTU

All models

- Ambient temp. sensor: +5 to +45°C
- Humidity sensor (optional): 10 to 95% RH
- CO2 sensor (optional): 0 to 2000 ppm
- Motion sensor (optional):
 - Maximum detection distance 8 m
 - Detection angle: 98°
 - Detection diameter 18 m (at 7 m)
 - Digitally adjustable sensitivity
- Flush mounting
- Surface mounting enclosure available
- Different frames and colors available
- Dimensions:
 - e-Display: 142x85x42 mm
 - e-Display Plus: 158x88x33 mm
 - e-Display Plus FF: 148x90x33 mm
- Weight (frame not included): 120 g

Ordering numbers

RD.970000-000

e-Display

Display for e-Room Controller with temp. sensor

RD.671002-000

e-Display HR Modbus

Display with temperature, humidity sensor and Modbus RTU



RL.672001-000

e-Display Plus HRCO2 Modbus

Display with temperature, humidity and CO2 sensor with Modbus RTU



DF.671001-013

e-Display Plus FF PIR Modbus

Display with temperature and motion sensor with Modbus RTU



e-Display and e-Display Modbus in a BMS system



More efficient
UNE-EN 15232

