

# Clima

# e-Room Modular



## Climate room controller for fan-coil rooms



## Climate and Lighting complete automation for hotels and buildings

e-Room Modular is a new concept of climate and lighting controller for hotel rooms with a communication protocol and internal power supply, to connect to a display for room automation and several inputs and outputs for room management like keycard contact, motion sensors, window and door contact, that provide an optimal energy management through an efficient control of the climate and lighting systems, depending on the room occupancy status.

The device is including an special side connector to interconnect to different expansion devices like the **e-Lighting Modular**, that provides a complete lighting control inside the room, making lighting switch on scenes when the guest enters in the room, but also performing simultaneously over different lighting circuits when a wall pushbutton is pressed.

A front panel with multiple LED indicators provide an easy way to know the inputs and outputs status of the device, offering a practical and effective tool for the commissioning process and maintenance of the site. A wireless NFC sensor is also present on the device and allows exchanging information with the E-Configurator APP to configure the device instantly, reducing the installation programming costs drastically. The device is available with different communications interfaces like Ethernet IP and Modbus RS-485, but also with no bus for stand-alone operation.

IP connectivity, RS-485 or stand-alone

Fan-coil EC 0-10V control or 3 speeds

Proportional valve 0-10V control or On/Off

Easy configuration with APP and NFC technology

Model with LED of I/O status

# DATASHEET

## Remote BMS control using Ethernet IP or RS-485

### Five possible configurations

- Model TN:  
3 Speed fan-coil + Valves On/Off
- Model PRO:  
3 Speed fan-coil + Valves 0-10V
- Model ECO:  
Fan-Coil EC (0-10V) + Valves On Off
- Model MAX:  
Fan-Coil EC (0-10V) + Valves 0-10V
- Model TOP:  
3 outputs 0-10V + 6 relay outputs

### Connectivity and communication

- Ethernet IP
- RS-485
- Stand-alone



### Specifications

- Supply power: 85- 264 Vac 50/60Hz
- Stand-alone operation
- BMS Bus: Modbus TCP (IP) or Modbus RTU (RS-485)
- Room bus:
  - RS-485
  - Supply output: 24 Vdc, 200 mA
- Digital inputs (contact type):
  - Keycard contact / Motion sensor
  - Window contact
- Analog/digital inputs:
  - Water sensor / Door contact
  - Lighting master switch
- Analog outputs(0-10V):
  - Fan-Coil EC
  - Cool valve actuator
  - Heat valve actuator
- Relay outputs (5 A):
  - 3 Fan-Coil speeds
  - Cool valve actuator
  - Heat valve actuator
  - Lighting contact
- Front panel with LEDs for I/O status (optional)
- NFC Technology for device configuration
- Side expansion connector
- DIN rail enclosure, 6TE
- Dimensions: 106 x 90 x 62 mm
- Weight: 300 g (IP 4I/9O)
- CE industrial range (2000 V)

### Ordering numbers

#### RM.5X4601-011

e-Room Modular 4I/6O TN, NFC and LEDs  
4 inputs: 2 digital, 2 digital/NTC  
6 relay outputs: 3 fan-coil speeds, 2 valves, 1 aux.

#### RM.5X4411-011

e-Room Modular 4I/4O ECO, NFC and LEDs  
4 inputs: 2 digital, 2 digital/NTC  
1 output fan-coil EC 0-10V, 3 relay outputs: 2 valves, 1 aux.

#### RM.5X4603-011

e-Room Modular 4I/6O PRO, NFC and LEDs  
4 inputs: 2 digital, 2 digital/NTC  
2 outputs valves 0-10V, 4 relay outputs: 3 fan-coil speeds, 1 aux.

#### RM.5X4413-011

e-Room Modular 4I/4O MAX, NFC and LEDs  
4 inputs: 2 digital, 2 digital/NTC  
1 output fan-coil EC 0-10V, 2 outputs 0-10V valve actuators, 1 relay output aux.

#### RM.5X4924-011

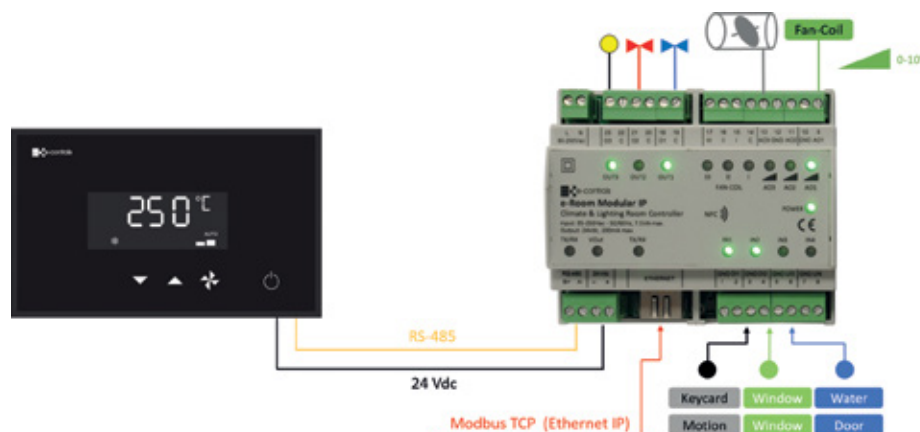
e-Room Modular 4I/9O TOP, NFC and LEDs  
4 inputs: 2 digital, 2 universal (digital/NTC/0-10 V/4-20 mA)  
9 outputs: 6 relays, 3 analog 0-10V

### NOTES:

- 1) Models available in different configurations:
  - X = 5 Modbus TCP (IP)
  - X = 7 Modbus RTU (RS-485)
  - X = 0 Stand-Alone
- 2) Ask for models without NFC and LEDs

## e-Room Modular

### Input / Output Diagrams



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