Clima | e-Room® Plus

e-controls® electronic intelligent controls, s.l.

Climate and Lighting Control from a Single Unit

RP.626601-000

Overall Zone Energy Efficiency

e-Room® Plus is a device that provides room climate and lighting energy management control. It is designed to optimize energy savings in room or zone climate and lighting services. The unit includes various operating profiles to cover every possible requirement for offices, hotels, hospitals and old people's homes.

e-Room® Plus is designed for either stand-alone operation or to be integrated into a network to perform remote control through the standard ISO/IEC 14908 (LonWorks®) communication bus. The device includes key card reader contact and window contact inputs for climate energy savings, in addition to a digital input and a relay output to control a light. Furthermore, it includes relay outputs for Warm/Cool valve actuator On/Off control and three outputs for fan coil speed management.

- Climate and lighting energy efficiency

- Hotel/Office/Hospital operating modes

- On/Off valve control

- Key card contact or detector based occupancy monitoring

- Stand-alone operation

- LonWorks® network

Energy Efficiency

- Up to 25% energy savings
- Climate + lighting control in a single device
- Occupancy monitoring based on key card contact or presence detector
- Window contact stops operation
- Configurable Max/Min setpoints
- ECO mode for climate and lighting control

Remote Management

- Remote or programmable On/Off control
- Adjustable setpoints
- Pushbutton locking feature

Integration

- ISO/IEC 14908 LonWorks® bus
- LonMark® compatible

Installation

- Single device
- Reduced installation time
- Improved maintenance

Patented product

Features

- Stand-alone operation
- Ambient Temperature on front panel
- 4 or 5 keys upon model
- Blue backlighted LCD display
- Digital inputs (contact type):
  - Card contact / Motion detector
  - Window contact
  - Lighting pushbutton
- Analog inputs (NTC10K):
  - Water temp. Cool-Warm / Door contact
  - External temperature sensor (optional)
- Relay outputs (5Amp):
  - Three Fan-Coil speeds (3 outputs)
  - Warm-Cool valve actuator /Cool valve actuator (2P / 4P)
  - Courtesy Lamp / Cool valve actuator (2P / 4P)
  - Auxiliary output
- Supply Voltage 24Vac/24Vdc
- TP/FT-10 twisted pair
- ISO/IEC 14908 LonWorks® network
- Simon 82 or Nature series frame
- Flush mounting in two 65x65mm universal enclosure
- IR receiver for remote operation

Product reference
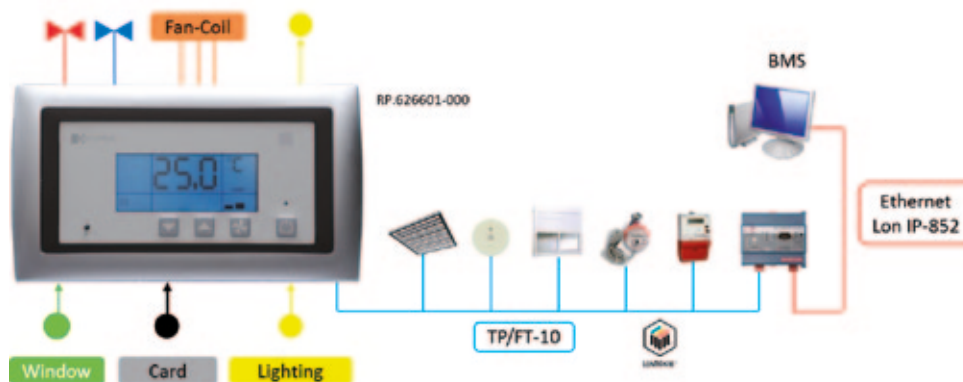
RP.626601-000
e.Room® Plus 4 Keys

RP.626601-100
e.Room® Plus 5 Keys (Cool/Warm)

LONMARK® CE

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e-Room® Plus application for card contact Hotel 4 Pipes Installation

e-Room® Plus
Inputs / Outputs Diagram