

Clima

e-Room®



Room Climate Control for Fan Coil applications



RC.624501-000

Energy Efficiency in HVAC

e-Room® Classic is a device designed to provide overall room climate control on fan coil based systems. Its operation provides a user friendly control and allows remote facility management through its standard ISO/IEC 14908 (LonWorks®) communication bus. Originally designed for use in hotels, its versatility has made it present nevertheless in offices, small rural hotels and homes, amongst others.

e-Room® Classic is a solution comprising a single device that includes on its front panel a large display screen, pushbuttons and a temperature sensor, in addition to card reader contact and window contact inputs that provide energy efficiency optimization in installations. It further includes output relays for Warm/Cool valve actuator On/Off control and three outputs to manage fan coil speed. All these features are included in a single device to support a simple, easy and fast installation and to optimize startup times and facility maintenance.

Three different models comprise the product reference: **e-Room Classic** for card contact room occupancy, **e-Room Detector** for presence detection and door contact room occupancy and **e-Room Thermo**, a display and pushbutton device without inputs/outputs.

Energy consumption optimization

Designed for 2 pipe and 4 pipe systems

On/Off valve control

Stand-alone operation

Easy installation

LonWorks® network

DATASHEET

Energy Efficiency

- Up to 20% energy savings
- Zone occupancy detection based on card contact or movement detector upon model
- Window contact stops operation
- Configurable Max/Min setpoints
- Dual ON/ECO setpoint
- ECO mode on unoccupied zone

Remote Management

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

Integration

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



Patented product

Installation

- One single device per zone
- Reduced installation time
- Improved maintenance

Features

- Stand-alone operation
- Front panel ambient temperature sensor
- Blue backlighted LCD display
- Digital inputs (contact type):
 - Card contact / Movement detector (Classic/Detector)
 - Window contact
- Analog inputs (NTC10K):
 - Water temp. Cool-Warm / Door contact (Classic/Detector)
 - External temperature sensor (optional)
- Relay outputs (5Amp):
 - Three Fan-Coil speeds (3 outputs)
 - Warm-Cool valve actuator / Cool valve actuator (2P / 4P)
 - Auxiliary / Cool valve actuator (2P / 4P)
- Supply Voltage 24Vac/24Vdc
- TP/FT-10 twisted pair
- ISO/IEC 14908 LonWorks[®] network
- BTicino Light frame (different colors available)

Product reference

RC.624501-000
e-Room[®] Classic

RC.624502-000
e-Room[®] Detector



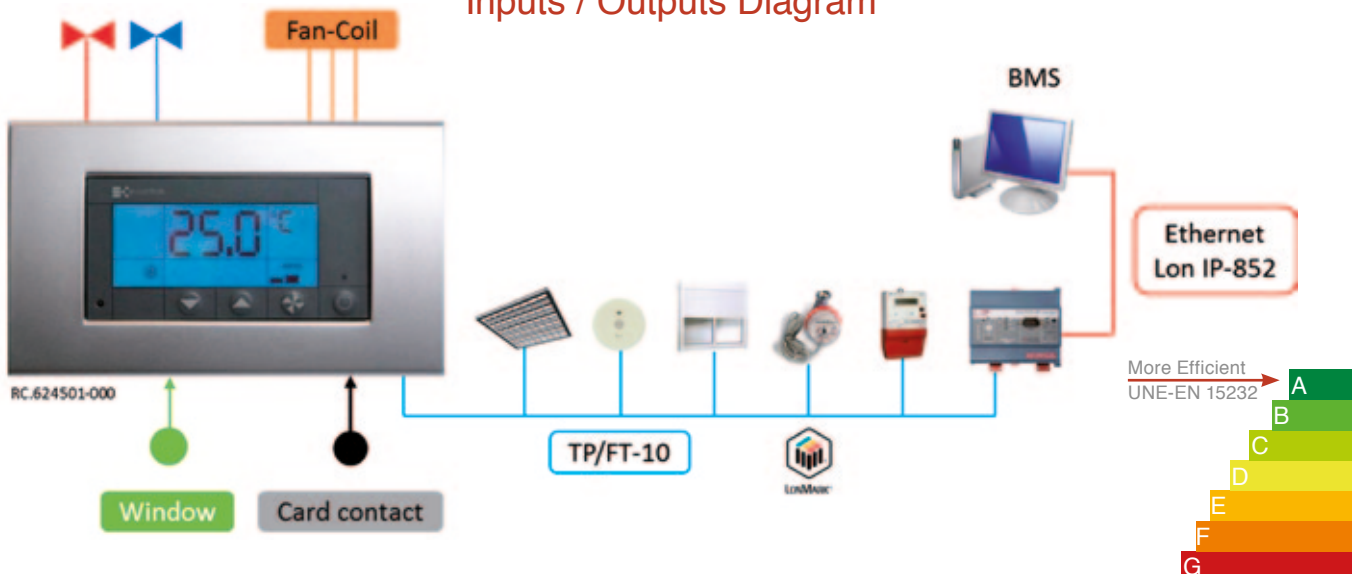
RC.620004-000
e-Room[®] Thermo



e-Room[®] Classic application for card contact 4 pipes installation

e-Room[®] Classic

Inputs / Outputs Diagram



DDS0006503000-3; RC.624501-000 - e-Room Classic DDBSEN