

Clima

e-Room[®] Stand-Alone



Stand-alone room climate control for fan-coil applications



RC.604505-000

Climate control at an optimal cost

The e-Room[®] Stand-Alone device is a stand-alone fan coil controller designed to cover the demands of hotels and offices where a sophisticated remote control system for room management is not required. The device includes a set of inputs and outputs that provide zone climate control based on occupancy and window position, thus allowing significant energy savings that dramatically reduce electricity costs in buildings.

e-Room[®] Stand-Alone includes a temperature sensor on its front panel that provides room temperature measurement and Heat/Cool valve actuation as appropriate; fan coil speed is controlled to cover the energy demand. An analog input is also included to connect an external temperature sensor, used in installations where temperature is measured at the return point.

The device includes a large blue backlit display screen that provides the user with an optimal visualization, in addition to user-friendly pushbuttons for simple and effective control. Device configuration is accomplished through the pushbuttons and the display screen; up to 24 different parameters may be adjusted in order to set the device as required.

Stand-alone control for low-cost installations

Occupancy based climate control

Designed for 2 pipe and 4 pipe systems

A single control device for each zone

Auxiliary lighting output

Temperature Setpoint Control Based on Zone Occupancy



DATASHEET

Energy Savings

- Up to 20% zone energy savings
- Occupancy based temperature setpoint change
- Window contact stops operation
- Configurable Max/Min setpoints
- Dual ON/ECO setpoint
- ECO mode on unoccupied zone

Device Configuration

- Celsius/Fahrenheit display
- 1 or 3 fan coil speeds selection
- Fan coil state on no demand
- Device on OFF or ECO on unoccupied zone
- Heat/Cool mode switching
- 2 pipe / 4 pipe system
- Keycard switch contact or lighting input
- Heat/Cool deadband
- Occupied/ECO state setpoints
- Device state after reset
- Heat/Cool device startup
- NO/NC valves

Patented product
Registered design

Installation

- A single device per zone
- Less installation time
- Improved maintenance
- No communication bus required

Features

- Stand-alone climate control
- Room temperature sensor on front panel
- Blue backlit LCD screen
- 4/5 pushbuttons
- Digital inputs (dry contact):
 - Keycard switch contact / lighting contact
 - Window contact
- Analog inputs (NTC10K):
 - Water temperature sensor
 - External temperature sensor
- Relay outputs (5 Amp):
 - Three Fan-Coil speeds (3 outputs)
 - Cool valve (4 pipes) / H-C (2 pipes)
 - Heat valve (4 pipes) / Lighting
- Supply voltage: 24 Vac / 24 Vdc
- BTicino Light / Light Tech frame (different colors available)

Ordering numbers

RC.604505-000
e.Room® Stand-Alone
4 pushbuttons



RC.604505-100
e.Room® Stand-Alone
5 pushbuttons (Heat / Cool)



e-Room® Stand-Alone

Input / Output Diagrams

2 pipe system + lighting application



4 pipe system + keycard switch application



More efficient
UNE-EN 15232

