

Regio Mini pre-programmed room controllers



Regio Mini is a series of stand-alone controllers designed for control of heating and cooling in a single zone or a room.

The control units are pre-programmed and can be configured for a specific application by using the display and switches (although, in most cases, the default settings can be applied).

The control units have built-in temperature sensors. An external temperature sensor can also be connected.

For controlling 230 V AC fan motors, a specific relay box (RB-3 or X1178) can be used together with Regio Midi RC-F... types.

| Technical data | |
|-----------------------------|--------------------------------------------------------------------------------------------------|
| Supply voltage | 18...30 V AC, 50...60 Hz |
| Power consumption | 2.5 VA |
| Ambient temperature | 0...50°C |
| Storage temperature | -20...+70°C |
| Built in temperature sensor | 0...50°C NTC linearised 15 kOhm |
| Accuracy | +/-0.5°C at 15...30°C |
| Mounting | Wall-mounting |
| Protection class | IP20 |
| Inputs | |
| Analogue inputs, AI | PT1000, 0...50°C |
| Condence input (CI) | NTC, Condensation sensor type KG-A |
| Digital inputs, DI | Closing potential free contact |
| Universal input, UI | Same as AI PT1000 sensor, 0...100°C or digital inputs (DI)above |
| Outputs | |
| Digital output (DO) | 24 V AC, max 0.5 A |
| Universal output (UO) | Same as digital output (DO), 24 V AC, max 2.0 A or as analogue output (AO) 0...10 V AC, max 5 mA |
| +C power output for DI only | 24 V DC, max 10 mA, short circuit protected |

Controllers Heating and Cooling



RC-DO Room controller
 Display, Occupancy
RC-O Room controller
 Occupancy
RC Room controller
RC-H Room controller
 Hidden Set-point

Controllers Fan Coil



RC-DFO Room controller
 Display, Fan control, Occupancy
RC-F Room controller
 Fan control
RC-FO Room controller
 Fan control, Occupancy



RC

Product overview Regio Mini

RC is the basic model in the range and can be combined in various ways. The letters in the product name stand for the following functions:

C = With communication, EXOline or ModBus

D = With display

F = With three speed fan control

H = With hidden set-point

O = With occupancy button

T = With three-point output



RC-O



RC-H



RC-DO



RC-F



RC-FO



RC-DFO

Number of I/O:s

| | RC | RC-O | RC-H | RC-DO | RC-F | RC-FO | RC-DFO | RC-T | RC-TO | RC-DTO |
|-------|----|------|------|-------|------|-------|--------|------|-------|--------|
| AI | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| DI | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| UI | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| DO | 1 | 1 | 1 | 1 | 4 | 4 | 4 | 5 | 5 | 5 |
| UO | 2 | 2 | 2 | 2 | 2 | 2 | 2 | - | - | - |
| Total | 7 | 7 | 7 | 7 | 10 | 10 | 10 | 9 | 9 | 9 |

Models with 0...10V DC or on/off output (without communication)

| Type | Display | Occupancy button forced ventilation | Fan control | Setpoint knob | Hidden set-point | Notes |
|--------|---------|-------------------------------------|-------------|---------------|------------------|-------|
| RC | - | - | - | Yes | - | |
| RC-O | - | Yes | - | Yes | - | |
| RC-H | - | - | - | - | Yes | |
| RC-DO | Yes | Yes | - | - | - | |
| RC-F | - | - | Yes | Yes | - | |
| RC-FO | - | Yes | Yes | Yes | - | |
| RC-DFO | Yes | Yes | Yes | - | - | |

Models with three-point output (without communication)

| Type | Display | Occupancy button forced ventilation | Fan control | Setpoint knob | Hidden set-point | Notes |
|--------|---------|-------------------------------------|-------------|---------------|------------------|-------|
| RC-T | - | - | - | Yes | - | |
| RC-TO | - | Yes | - | Yes | - | |
| RC-DTO | Yes | Yes | - | - | - | |



RC-T



RC-TO



RC-DTO