

Regio Maxi – Freely programmable/pre-programmed zone controllers

Regio Maxi consists of RCP controllers prepared for quick connection of the RU room units. The controllers are compatible with other Regin products and can easily be integrated into systems with EXOflex, Corrigo, EXOcompact and EXOscada.

The standard RCP model includes an application program for climate control in public buildings. It can also be used as a freely programmable room controller. Programming takes place in EXOdesigner, the same environment used for all other Regin system controllers.

The RCP controllers can be used in systems with communication, e.g. EXOline, Modbus, TCP/IP or LON. They are installed in a ceiling void, on a junction box plate or on a DIN-rail.

Regio tool®

The pre-loaded room application is configured in Regio tool®, downloadable free of charge from www.regincontrols.com.

Product overview, Regio Maxi

RCP100 and RCP200 are the basic models in the range. The other models have various functions, indicated by the letters in the product name:

F = Fan control (3-speed), T = TCP/IP communication, L = LON communication

| Technical data | |
|-------------------------|--|
| Supply voltage | 230 V AC ±10 %, 50...60 Hz |
| Power consumption | 2 VA |
| Ambient humidity | Max. 95 % RH |
| Storage temperature | -40...+50°C |
| Mounting | Ceiling, on a junction box plate, or DIN-rail |
| Number of modules | 8.6 |
| Protection class | IP30 (IP20 cabinet mounting) |
| Inputs | |
| Analogue inputs (AI) | PT1000 (0...10 V DC) |
| Condensation input (CI) | Input for Regin's condensation detector KG-A/1 |
| Digital inputs (DI) | Potential-free closing contact |
| Outputs | |
| Analogue outputs (AO) | 0...10 V DC |
| Digital outputs (DO) | Triac outputs: 24 V AC, 0.5 A / Relay outputs: 230 V AC, 4 A |
| Dimensions (WxHxD) | 150 x 180 x 60 mm |

Inputs/outputs (I/Os)

| Article | AI | DI | CI | AO | DO, 230 V AC relay for fan control | DO, 24 V AC | Total number of I/Os |
|-------------------------------|----|----|----|----|------------------------------------|-------------|----------------------|
| RCP100 / RCP100T / RCP100L | 2 | 3 | 1 | - | - | 5 | 11 |
| RCP100F / RCP100FT / RCP100FL | 2 | 3 | 1 | - | 3 | 5 | 14 |
| RCP200 / RCP200T / RCP200L | 2 | 3 | 1 | 2 | - | 2 | 10 |
| RCP200F / RCP200FT / RCP200FL | 2 | 3 | 1 | 2 | 3 | 2 | 13 |

Models with communication via RS485 (Modbus or EXOline)

| Article | 3-step fan control | Output signal | Can be combined with |
|---------|--------------------|-------------------|-----------------------------|
| RCP100 | - | 3-point or on/off | RU, RU-O, RU-DO, RU-DOS |
| RCP100F | X | 3-point or on/off | RU-F, RU-FO, RU-DFO, RU-DOS |
| RCP200 | - | 0...10 V DC | RU, RU-O, RU-DO, RU-DOS |
| RCP200F | X | 0...10 V DC | RU-F, RU-FO, RU-DFO, RU-DOS |

Models with TCP/IP communication

| Article | 3-step fan control | Output signal | Can be combined with |
|----------|--------------------|-------------------|-----------------------------|
| RCP100T | - | 3-point or on/off | RU, RU-O, RU-DO, RU-DOS |
| RCP100FT | X | 3-point or on/off | RU-F, RU-FO, RU-DFO, RU-DOS |
| RCP200T | - | 0...10 V DC | RU, RU-O, RU-DO, RU-DOS |
| RCP200FT | X | 0...10 V DC | RU-F, RU-FO, RU-DFO, RU-DOS |

Models with LON communication

| Article | 3-step fan control | Output signal | Can be combined with |
|----------|--------------------|-------------------|-----------------------------|
| RCP100L | - | 3-point or on/off | RU, RU-O, RU-DO, RU-DOS |
| RCP100FL | X | 3-point or on/off | RU-F, RU-FO, RU-DFO, RU-DOS |
| RCP200L | - | 0...10 V DC | RU, RU-O, RU-DO, RU-DOS |
| RCP200FL | X | 0...10 V DC | RU-F, RU-FO, RU-DFO, RU-DOS |



By connecting RCP to a PC with Regio tool®, it is possible to control the conditions in a room.

Room units for the RCP controllers

There are seven different room units (RU) in the Regio Maxi range, with or without display. They are intended to be combined with the freely programmable RCP controllers and are installed directly on the wall or on a wall socket.

RU is the basic model. The other models have various functions, indicated by the letters in the product name:

D = Display, F = Fan speed control button, O = Occupancy button, S = Multifunction button



RU



RU-F



RU-O



RU-DO



RU-FO



RU-DFO



RU-DOS

| Technical data | |
|---------------------|---------------|
| Power supply | From RCP unit |
| Ambient humidity | Max. 90 % RH |
| Ambient temperature | 0...50°C |
| Storage temperature | -20...+70°C |
| Mounting | Wall |
| Protection class | IP20 |
| Display | Backlit, LCD |

| Article | Display | Occupancy button | CO ₂ , blinds, lighting, humidity | 3-step fan control | Setpoint knob |
|---------|---------|------------------|--|--------------------|---------------|
| RU | - | - | - | - | X |
| RU-F | - | - | - | X | X |
| RU-O | - | X | - | - | X |
| RU-DO | X | X | - | - | - |
| RU-FO | - | X | - | X | X |
| RU-DFO | X | X | - | X | - |
| RU-DOS | X | X | X | X | - |

Regio Maxi accessories

| Article | Description |
|-------------|---|
| RU-CBL3 | Cable for Regio Maxi, between RU and RCP, cable length 3 m |
| RU-CBL10 | Cable for Regio Maxi, between RU and RCP, cable length 10 m |
| RCP-CONN:10 | A set of 10 connector plates for Regio Maxi RCP |
| RCP-CASE | Regio Maxi RCP demo kit |
| REGIO BOX | Regio Maxi RCP + RU demo kit |