Regio room controllers

Flexible systems for room control at all levels

READY STEADY GO

≋REGIN

THE CHALLENGER IN BUILDING AUTOMATION

Zone control on every level...

Regio is a range of room controllers for heating, ventilation, air conditioning and corresponding functions.

Optimal flexibility

Regio covers every need – from control of heating, cooling and ventilation to functions such as lighting, humidity, CO_2 monitoring and blinds. Available in three different series, Regio also offers full system level flexibility. Regio enables you to create anything from a stand-alone system for managing the functions in a single room to large integrated SCADA systems.

Regio also offers web and Internet solutions, giving every employee individual control of the climate in his or her room using a PC connected to the office network.

Regio is the ultimate solution in offices, schools, hotels, as well as in all buildings where optimal comfort and a low energy consumption is required without making costly investments.

Regio Mini
The simple solution for stand-alone

Regio Midi
A complete solution with built-in communication

Regio Maxi
Freely programmable with communication and web interface

PC with web browser

...with stylish design

Regio has a modern design and a subtle elegance that enhances many indoor environments.

Applications

- Chilled ceilings, chilled beams and radiators
- Fan-coil systems
- VAV systems
- Control and monitoring of room temperature, air control and humidity, as well as control of lighting and blinds.

Key features

- Stand-alone or integrated in a web-based system
- Heating/cooling or both
- Communication via RS485 (Modbus, BACnet or EXOline), TCP/IP or LON
- Quick and easy configuration using the software Regio tool©
- Comprehensive program of supplementary products

READY STEADY GO

Regio has been developed in accordance to our Ready-Steady-Go concept, simplifying every step from installation to management.
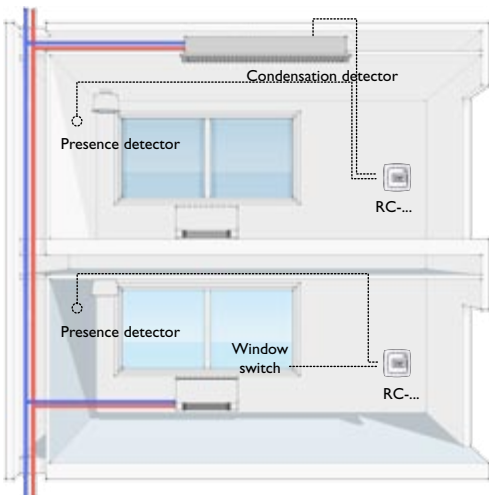

Regio Midi and Maxi are configured using Regio tool©, downloadable free of charge from www.regin.se.
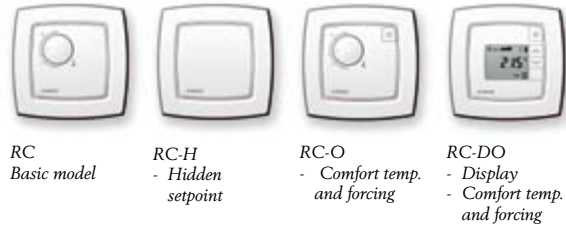
Regio Mini
Pre-programmed, stand-alone room controllers

The stand-alone version, Regio Mini, is designed for control of heating and cooling in a single room. The series consists of different room controllers, as well as a relay box for fan control. The relay box is mounted on a ceiling, inside of a fan-coil unit or similar.
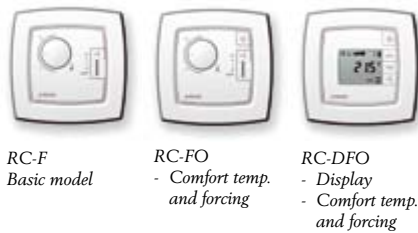
The controllers are pre-programmed to handle different functions, but can easily be configured by using the buttons and the display.
The controllers have a built in temperature sensor but an external sensor can also be connected, together with a window contact.
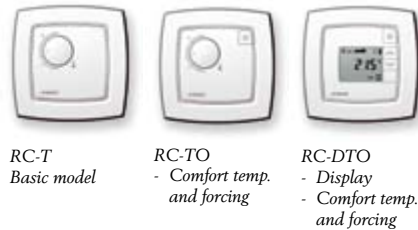

Room controllers for heating and cooling

RC
Basic model

RC-H
- *Hidden setpoint*

RC-O
- *Comfort temp. and forcing*

RC-DO
- *Display*
- *Comfort temp. and forcing*

Room controllers for fan-coil units

RC-F
Basic model

RC-FO
- *Comfort temp. and forcing*

RC-DFO
- *Display*
- *Comfort temp. and forcing*

Room controllers with 3-position output

RC-T
Basic model

RC-TO
- *Comfort temp. and forcing*

RC-DTO
- *Display*
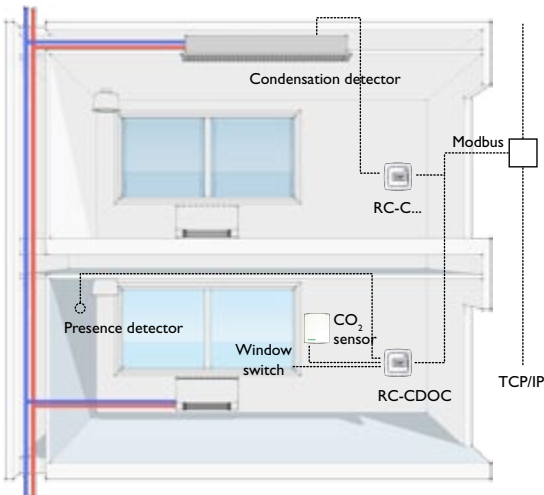- *Comfort temp. and forcing*

Regio Midi
Pre-programmed room controllers with communication

Regio Midi has all the functions of the stand-alone version, but also supports communication. Controllers located in different rooms can be connected to bus lines, such as Modbus, EXOline or BACnet in order to communicate with a central SCADA system.

The room controllers are pre-programmed, but can be customised for specific applications using the software Regio tool©.

RC-C3DOC, RC-C3DFOC, RC-CDFO and RC-CDTO are BTL-approved

Room controllers for heating, cooling and EC fan control, with 3 universal outputs

RC-C3	RC-C3H	RC-C3O	RC-C3DOC
Basic model	*- Hidden setpoint*	*- Comfort temp. and forcing*	*- Display* *- Comfort temp. and forcing*

Room controllers for fan-coil units

RC-CF	RC-CFO	RC-CDFO	RC-C3DFOC
Basic model	*- Comfort temp. and forcing*	*- Display* *- Comfort temp. and forcing*	*- Display* *- Comfort temp. and forcing* *- EC fan control* *- 3 universal outputs*

Room controllers with 3-position output

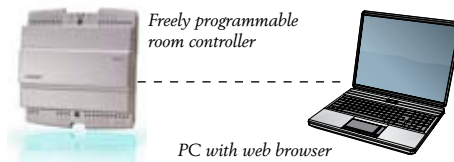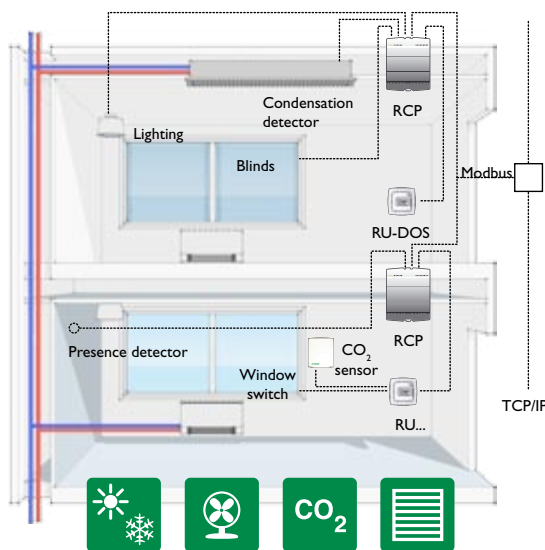| RC-CT	RC-CTH	RC-CTO	RC-CDTO
Basic model	*- Hidden setpoint*	*- Comfort temp. and forcing*	*- Display* *- Comfort temp. and forcing*

Regio Maxi
Freely programmable room controllers with web interface

The freely programmable room controller (RCP) handles all functions in a system. The controller is pre-programmed but can be configured using our software tool. Various room units with built-in temperature sensors are connected to the room controller. The system can be connected to standardised bus systems, such as LON, Modbus or EXOline using communication via TCP/IP alt. RS485 for integration into a SCADA system.

This solution enables accessing the system via a PC with Internet Explorer. In this case, no room units are needed. Instead, all functions can be handled directly from the PC, making the system highly cost-effective. Another advantage is the possibility to set conditions in each room using the PC.

Freely programmable room controller

PC with web browser

Room controllers for heating and cooling

RU
Basic model

RU-O
- *Comfort temp. and forcing*

RU-DO
- *Display*
- *Comfort temp. and forcing*

Room unit multi functions

RU-DOS
- *Display*
- *Comfort temp. and forcing*
- *Lighting, CO₂, humidity, blinds*
- *Fan control*

Room controllers for fan-coil units

RU-F
Basic model

RU-FO
- *Comfort temp. and forcing*

RU-DFO
- *Display*
- *Comfort temp. and forcing*

Everything from web based zone systems down to the smallest sensor

Web-based systems

Our web-based solutions, based on the freely programmable room controller, provides access to the zone system via a PC with a web browser (Internet Explorer). All parameters can be read and setpoints changed using the graphic interface. Using this solution, no room units are required, thereby simplifying the installation and reducing investment costs.

EXOscada

EXOscada is a Windows-based SCADA program for building automation. EXOscada enables quick and easy creation of a system suiting your every need. All software needed to create a Regio system is included.

EXOopc Driver

EXOopc Driver, based on an open standard, makes it possible to connect Regio room controllers to SCADA systems of different brands. EXOopc Driver supports all media types for communicating with the zone system.

Line splitters

When multiple Regio systems in different zones/rooms are integrated in a comprehensive SCADA system, many communication lines are needed to achieve efficient and manageable communication. In cases like these, Regin's EXOline 485-TCP/IP line splitter should be used.

Valves, actuators and sensors

Regin has one of the most extensive ranges of zone control products in the business. Many of these are based on our concept of Ready-Steady-Go, greatly simplifying installation and commissioning.

AB Regin

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