



# ED-RU-F

## External room unit

ED-RU-F is an external room unit intended for control of an air handling unit via a Corrigo controller running a ventilation application. It can also be used together with EXOcompact and EXOflex.

- Change fan speed and set temperature
- Stylish design suitable for all environments
- Range of up to 300 m

ED-RU-F is connected to a Corrigo with two ports. Port 2 is used for the room unit and can be used together with expansion units. The room unit enables starting and stopping the air handling unit as well as changing fan speeds and adjusting the setpoint displacement. The room unit can also be used together with EXOcompact and EXOflex. If so, the unit must first be configured by a competent system integrator using Project Builder.

*For more information on Corrigo, EXOflex and EXOcompact, see the respective product sheet for each controller.*

- Fan switch and setpoint knob
- Built-in room sensor

### Simple wiring

ED-RU-F is connected to the same supply voltage as the controller (G and G0). Communication takes place via EXOline and is connected to port 2, A and B.

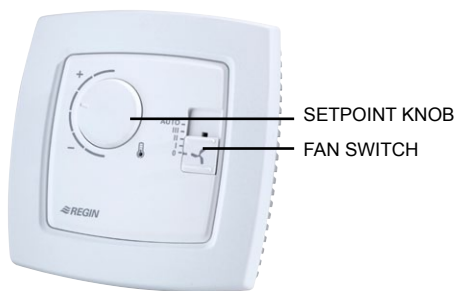
ED-RU-F is capable of communicating with a controller over a range of up to 300 meters.

### Sensor

The room unit has a built-in temperature sensor. An external PT1000-sensor can also be connected to the Corrigo if the built-in sensor is not to be used.

## Handling

ED-RU-F has a simple, intuitive design consisting of a setpoint knob and a fan switch.



SETPOINT KNOB

FAN SWITCH

## The setpoint knob

The maximum permissible adjustment of the setpoint can be configured using the software E tool<sup>®</sup> (factory setting  $\pm 3^{\circ}\text{C}$ ).

Depending on the control mode of the Corrigo, the setpoint knob will adjust the actual setpoint. In control mode constant supply air control, the supply air setpoint will be adjusted. In room cascade, the room setpoint will be adjusted. If the control mode is extract air cascade, the extract air setpoint will be adjusted.

## The fan switch

The fan switch is used to set the fan speed. The fan switch will step through the fan levels as follows:

|            |                                     |
|------------|-------------------------------------|
| 0          | Sets the unit to the "off" position |
| I          | Sets the unit to reduced speed      |
| II and III | Sets the unit to normal speed       |
| AUTO       | Sets the unit to auto mode          |

## Simple configuration using E tool<sup>®</sup>



E tool<sup>®</sup> is a PC-based program that makes it possible to configure and supervise the settings of a controller via a comprehensive user interface.

E tool<sup>®</sup> can be used to configure the following options for ED-RU-F:

- Configurable setpoint adjustment (min./max.)
- View/apply setpoint adjustment

The options "Temperature to show in ED-RUD" and "Button On/Off function" are only valid for model ED-RU-D... room units (with display).

E tool<sup>®</sup> can be downloaded free of charge from Regin's website [www.regin.se](http://www.regin.se).

## Technical data

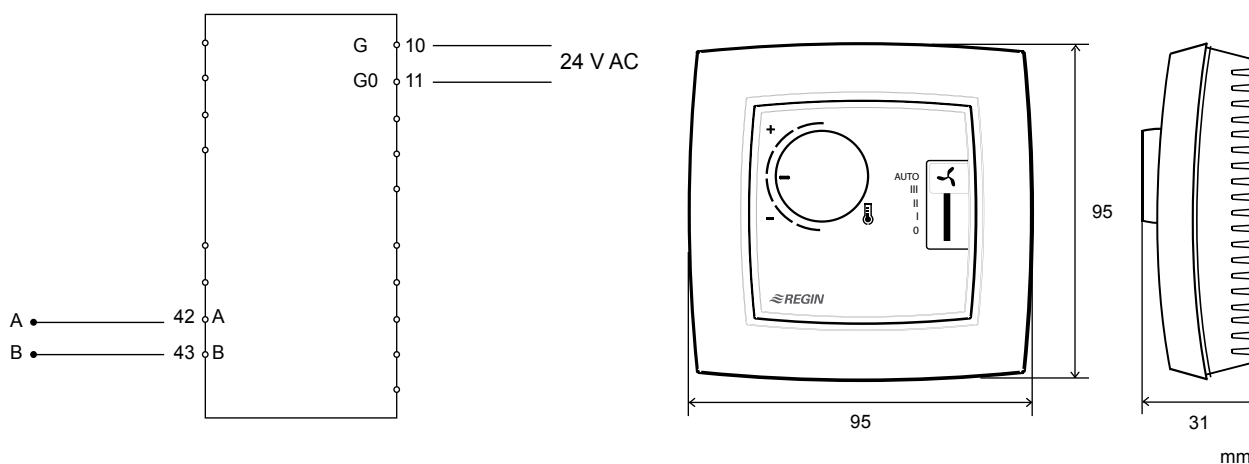
|                     |                       |
|---------------------|-----------------------|
| Supply voltage      | 24 V AC               |
| Power consumption   | 25 mA                 |
| Protection class    | IP20                  |
| Ambient humidity    | Max. 90 % RH          |
| Ambient temperature | 0...50°C              |
| Storage temperature | -20...+70°C           |
| Mounting            | On wall or device box |
| Dimensions (WxHxD)  | 95 x 95 x 31 mm       |
| Communication       | EXOline               |



**EMC emissions & immunity standards:** This product conforms to the requirements of the EMC Directive 2004/108/EC through product standards EN 61000-6-1 and EN 61000-6-3.

**RoHS:** This product conforms to the Directive 2011/65/EU of the European Parliament and of the Council.

## Wiring and dimensions



## Product documentation

| Document                                | Type  |
|---|---|
| ED-RU-F_inst                            | Instruction for ED-RU-F   |
| ED-RU manual for EXOcompact and EXOflex | Manual containing configuration instructions for when ED-RU is used with EXOcompact and EXOflex |

The instruction can be downloaded from [www.regin.se](http://www.regin.se).

The manual can be downloaded from Regin's FTP server. It is intended for our system customers who need to share files with us, e.g. at technical support. Contact one of our sales engineers to get access to the FTP server.