

## ED-RUD-2 ...

Room unit used as display for advanced controllers



*Slim flush or wall mounted room unit with backlit touch display. The display is prepared for Plug'n Play with Regin's room controllers Regio<sup>Eedo</sup> and Regio<sup>Ardo</sup> and for easy configuration with the ventilation controllers Corrigo<sup>Ardo</sup> and Corrigo<sup>Vido</sup>. It can also be used with any Modbus master controller.*

- ✓ Touch display and temperature sensor
- ✓ Available in white or black
- ✓ Plug'n Play to dedicated Regin room controllers
- ✓ Easy configuration with Regin's ventilation controllers
- ✓ Flexible to use with any Modbus master controller
- ✓ Compatible with Regio Two room function

### Application

This user-friendly room unit with touch display and temperature sensor is suitable for all types of indoor environments. It can be either flush or wall mounted, depending on the back plate. It is available in either white (ED-RUD-2 ...) or black (ED-RUD-2-BLACK).

ED-RUD-2 ... is easy to use and works together with any Modbus master controller. It can be used as Plug'n Play with Regin's room controllers Regio<sup>Ardo</sup> and Regio<sup>Eedo</sup> and is prepared for easy configuration with Regin's ventilation controllers Corrigo<sup>Ardo</sup> and Corrigo<sup>Vido</sup>.

### Function

The display can be used to control fan-speed, temperature and manual change over. The large LCD touch screen displays the room status and it is also used to access all

parameters, such as setpoint, fan speed etc. The unit has a built in NTC sensor for measuring temperature.

When used with the Regio Two room function, it is required to use two display units of the same kind, i.e an ED-RUD-2 can only be combined with another ED-RUD-2.

### Installation

The room unit can be either flush mounted in an EU standard wall mounting box, or wall mounted. The back plate for mounting is not included and needs to be ordered separately, see *Accessories* below.

The display is easily connected to the supply voltage as well as the Modbus master controller via the push-in terminal block.

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ED-RUD-2 ...

## Technical data

### General data

<b>Supply voltage</b>	24 V AC/DC (22...26 V AC/DC)
<b>Power consumption</b>	60 mA
<b>Protection class</b>	IP30
<b>Ambient humidity</b>	10...90 % RH (non-condensing)
<b>Ambient temperature</b>	0...50 °C
<b>Storage temperature</b>	-20...+70 °C
<b>Temperature sensor</b>	Built in NTC sensor
<b>Measuring range, temperature sensor</b>	0...50 °C
<b>Accuracy, temperature sensor</b>	± 0.5 °C
<b>Resolution, temperature sensor</b>	± 0.5 °C
<b>Cable connection</b>	Terminal block, push-in. Max. 1.5 mm <sup>2</sup> (AWG 16)
<b>Mounting</b>	Room (flush mounted or wall mounted, depending on back plate)
<b>Display</b>	Built-in
<b>Display type</b>	LED-backlit LCD
<b>Dimensions, external (WxHxD)</b>	95 x 95 x 23 mm
<b>Weight, including packaging</b>	0.17 kg

### Serial port data

<b>Serial port</b>	1
<b>Port type</b>	RS485
<b>Supported protocol</b>	Modbus (RTU)
<b>Communication speed</b>	38400 bps (4800...38400 bps)
<b>Parity</b>	Even (Even, Odd, None)
<b>Stop bit</b>	1 (1 or 2)



This product carries the CE-mark. More information is available at [www.regincontrols.com](http://www.regincontrols.com).

### Material

<b>Material, housing and base</b>	Polycarbonate, PC
<b>Material, fire resistance</b>	UL 94 V-0

### Models

<b>Model</b>	<b>Colour housing</b>
ED-RUD-2	RAL 9003, Signal white
ED-RUD-2-BLACK	RAL 9005, Jet Black

## Accessories

Article	Description
ED-RUD-2 FM / ED-RUD-2 FM-BLACK	Back plate for flush mounting (white or black)
ED-RUD-2-WM / ED-RUD-2-WM-BLACK	Back plate for wall mounting (white or black)
E-CABLE2-USB	PC-cable for communication, with USB connection
EDSP-K3/...-K10	Cable for connecting the display to the controller
EDSP-SPLIT	Cable splitter for connecting two display units to one controller

## Dimensions

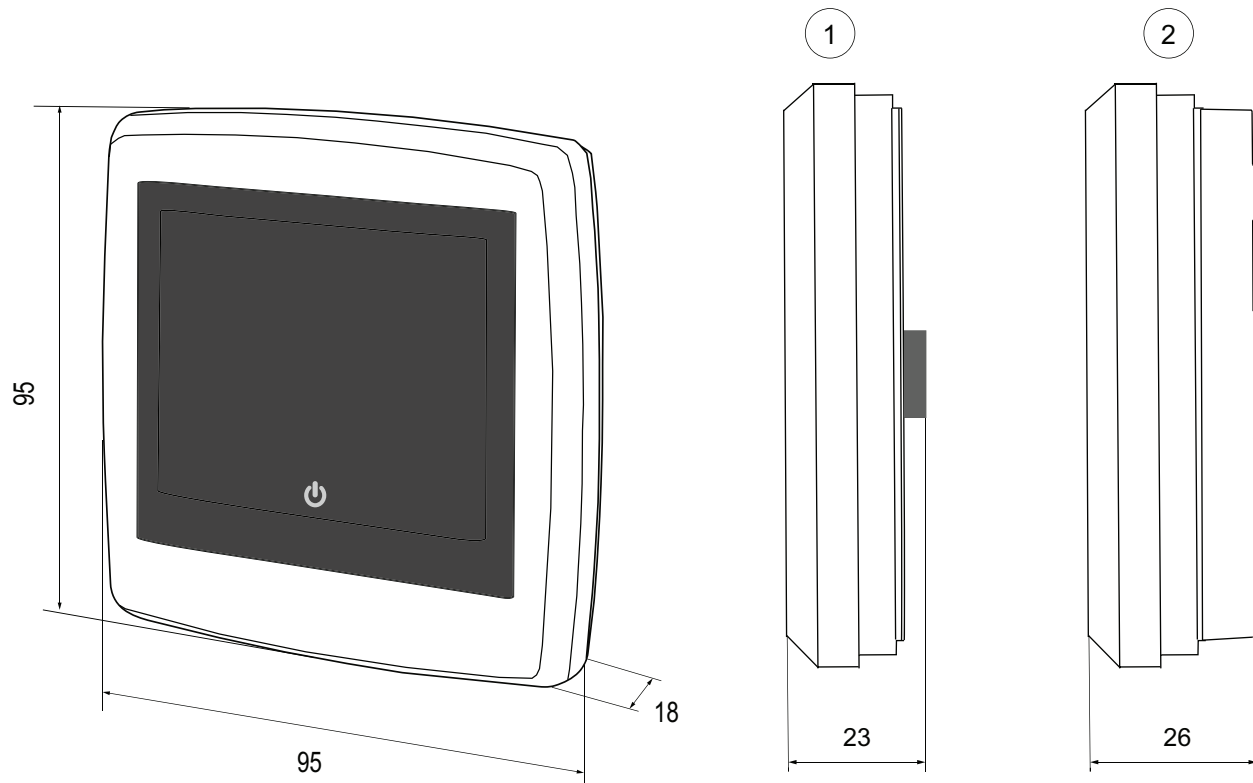


Fig. 1 1: With back plate for flush mounting (ED-RUD-2-FM) 2: With back plate for wall mounting (ED-RUD-2-WM)

[mm]

## Documentation

All documentation can be downloaded from [www.regincontrols.com](http://www.regincontrols.com).