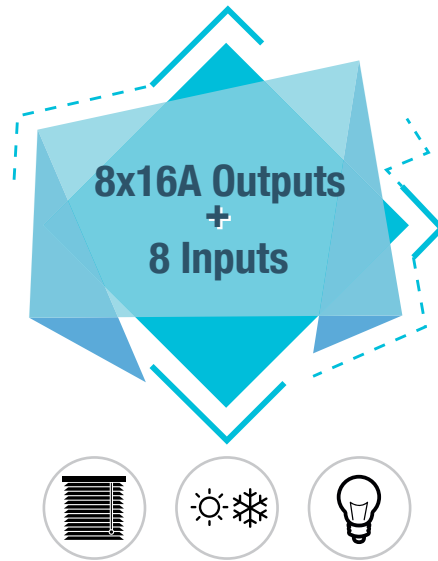


# RCU0808

## EAE KNX-ROOM CONTROL UNIT



### General Specifications

- Room Control Unit RCU0808 is designed as an all in one product for different room layouts such as apartments, hotel rooms, hospitals and residences.

- Room Control Unit covers all requirements of the electrical installation of room applications and offers following functions in a one product.

- Switching lighting
- Switching loads
- Controlling AC/DC blinds
- Controlling fan coils (2 & 3 point valve)
- Dry contact inputs

- RCU0808 has 8x16A relay outputs. These outputs are grouped as 2 independent output channels. Each channel can be configured to have different modes of operation as follows,

- Switching output x4
- AC Blind x2
- DC Blind x1
- 2 Point valve x2
- 3 point valve x1

- Suitable for switching resistive, capacitive and inductive loads as well as fluorescent lamp loads according to EN 60 669. As a switch output device provides following function list,

- Staircase
- External logic
- Internal logic
- Priority
- Threshold
- Operating hour
- Sweep

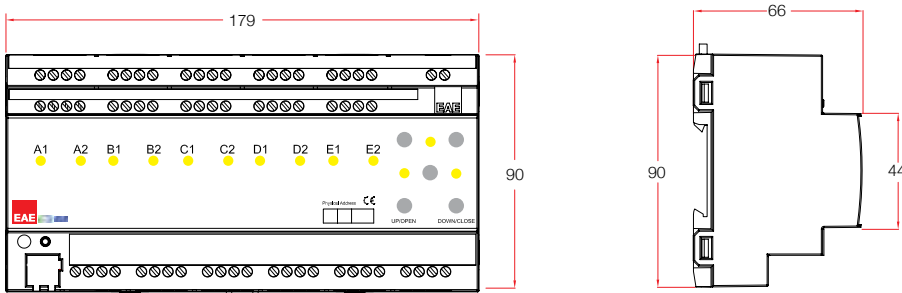
- Device has 8 independent input channels. Input channel operates as universal interface with following functions,

- Switch / push button input
- Dimmer control
- Control of shutter/blinds
- Value sending
- Scene control
- Counter for count pulse

- Manual control is possible for each channel through the built-in button panel.

- 220V auxiliary power is not required.

### Dimensions (mm)



**Technical Information**

<b>Protection Type</b>	IP 20	EN 60529	
<b>Safety Class</b>	II	EN 61140	
<b>Power supply</b>	Voltage	21V... 30V DC, SELV	
	Current consumption	< 10 mA	
<b>External supply</b>	-	-	
<b>Connections</b>	Screw terminals	0,05...4 mm <sup>2</sup> solid and stranded wire 0,05...2,5 mm <sup>2</sup> stranded wire with ferrule	
	Max tightening torque	0.8 Nm	
	KNX	Bus connect terminal	
<b>Output</b>	Number	8 output	
	Switching voltage	250V AC; 50/60 Hz	
	Switching capacity 250V AC	16A / AC 1	
	Maximum switching power	4000 VA	
	Mechanical life	> 1 x 10 <sup>6</sup>	
<b>Type of contact</b>	potential-free, bistable		
<b>Input</b>	Number	8 binary inputs	
	Scanning voltage	32V pulsed	
	Current	0.1 mA	
	Cable length	<300 m	
<b>Installation</b>	35mm mounting rail	EN 60 715	
<b>Operating elements</b>	LED (red) and button	For physical address	
<b>Temperature range</b>	Ambient	-5° C + 45° C	
	Storage	-25° C + 55° C	
<b>Humidity</b>	max. air humidity	85 % no moisture condensation	
<b>Dimensions</b>	66 x W x 90mm		
	Width W in mm	180 mm	
	Width W in units (18 mm modules)	10 modules	
<b>Weight</b>	0.65 kg		
<b>Box</b>	Plastic, polycarbonate, colour grey		
<b>CE</b>	In accordance with the EMC guideline and low voltage		
<b>Application program</b>	Communication objects	Number of addresses(max)	Number of assignments(max)
	254	255	255

**Ordering Information**

Product Name	Product Code	Ordering Code	Package Information
RCU2018 EAE KNX Room Control Unit	SMP RC2018 EAE S-KNX	48024	1 Pcs.
RCU2000 EAE KNX Room Control Unit	SMP RC2000 EAE S-KNX	48027	1 Pcs.
RCU1616 EAE KNX Room Control Unit	SMP RC1616 EAE S-KNX	48029	1 Pcs.
RCU1600 EAE KNX Room Control Unit	SMP RC1600 EAE S-KNX	48028	1 Pcs.
RCU1212 EAE KNX Room Control Unit	SMP RC1212 EAE S-KNX	48013	1 Pcs.
RCU1200 EAE KNX Room Control Unit	SMP RC1200 EAE S-KNX	48014	1 Pcs.
RCU0808 EAE KNX Room Control Unit	SMP RC0808 EAE S-KNX	48012	1 Pcs.
RCU0800 EAE KNX Room Control Unit	SMP RC0800 EAE S-KNX	48011	1 Pcs.