RCU2018
EAE KNX-ROOM CONTROL UNIT

20x16A Outputs
+
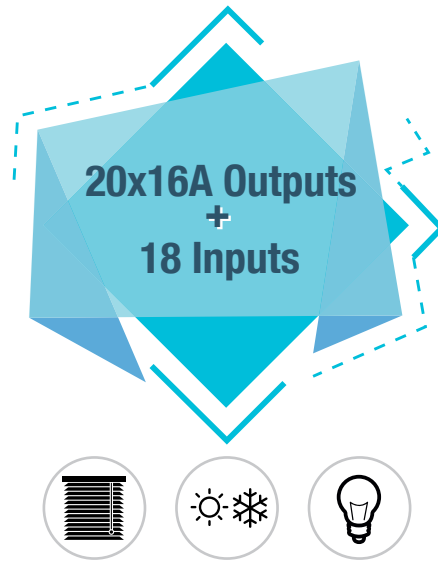**18 Inputs**

General Specifications

- Room Control Unit RCU2018 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

- RCU2018 has 20x16A relay outputs. These outputs are grouped as 5 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
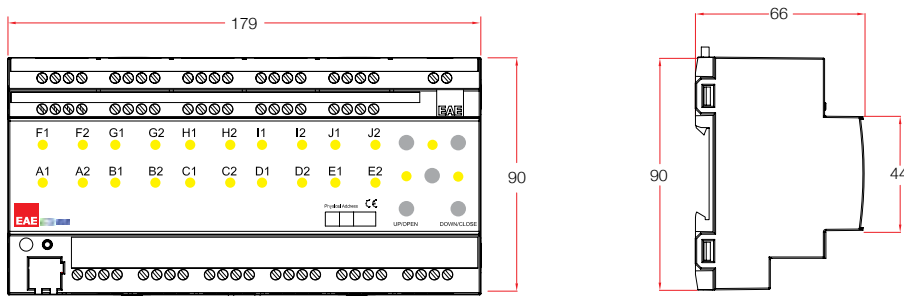   - Operating hour
    - Sweep

- Device has 18 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

Protection Type	IP 20	EN 60529
Safety Class	II	EN 61140
Power supply	Voltage	21V… 30V DC, SELV
	Current consumption	< 10 mA
External supply	-	-
Connections	Screw terminals	0,05…4 mm² solid and stranded wire
		0,05…2,5 mm² stranded wire with ferrule
	Max tightening torque	0.8 Nm
	KNX	Bus connect terminal
Output	Number	20 output
	Switching voltage	250V AC; 50/60 Hz
	Switching capacity 250V AC	16A / AC 1
	Maximum switching power	4000 VA
	Mechanical life	$> 1 \times 10^6$
Type of contact	potential-free, bistable	
Input	Number	18 binary inputs
	Scanning voltage	32V pulsed
	Current	0.1 mA
	Cable length	<300 m
Installation	35mm mounting rail	EN 60 715
Operating elements	LED (red) and button	For physical address
Temperature range	Ambient	-5° C + 45° C
	Storage	-25° C + 55° C
Humidity	max. air humidity	85 % no moisture condensation
Dimensions		66 x W x 90mm
	Width W in mm	180 mm
	Width W in units (18 mm modules)	10 modules
Weight	0.65 kg	
Box	Plastic, polycarbonate, colour grey	
CE	In accordance with the EMC guideline and low voltage	

Application program	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.