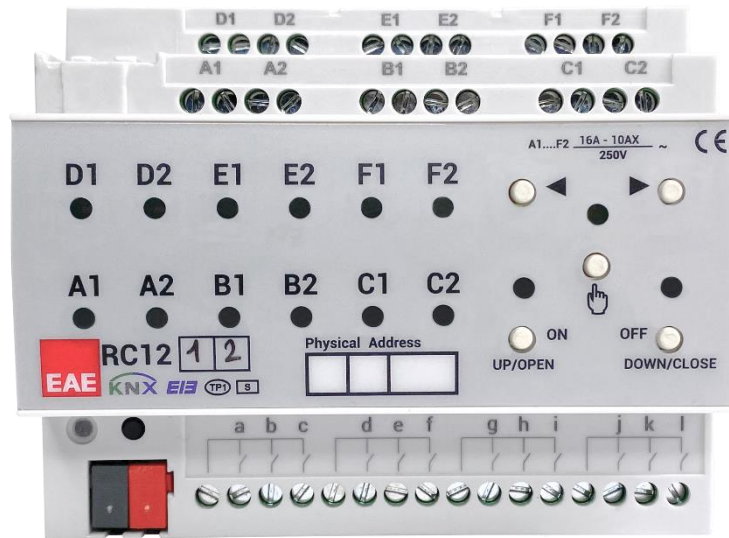


General Description



Available versions of EAE RC Series:

RC1212	12 Output – 12 Input	48209
RC1200	12 Output – No Input	48210
RC0808	8 Output – 8 Input	48211
RC0800	8 Output – No Input	48212

Note: RCXXYY where XX denotes the number of outputs and YY number of inputs.

- Room Control Unit has multiple 16A relay outputs. These outputs are grouped as 5/4/3/2 independent output channel groups for XX = 20/16/12/8 respectively. Each channel group can be configured to have different modes of operation as follows;

- Switching output x4
- AC Blind x2
- DC Blind x1
- On/Off (2-point) valve x2
- 3-point valve x2

- Room Control Unit has optional multiple independent input channels. Each input is galvanically isolated. Input channels operate as universal interface to KNX bus with following functions;

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

- Room Control Unit RC Series are 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 control
- ✓ Switching load control
- ✓ Controlling AC/DC blinds
- ✓ Controlling fan coils (On/Off & 3-point valve)
- ✓ Dry contact inputs

- 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

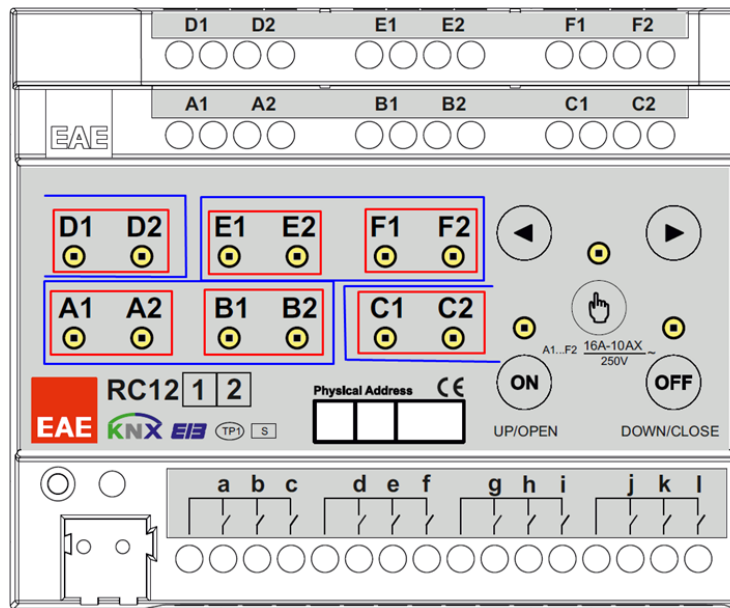
- Manual control is possible for each channel through the built-in button panel.

- 220V auxiliary power is NOT required.

Technical Data

Type of protection	IP 20	EN 60 529
Safety class	II	EN 61 140
Power supply	Voltage	21V... 30V DC, SELV
	Current consumption	≤ 10 mA
External supply	-	-
Connections	Screw terminals	0,5...3,31 mm ² solid and stranded wire 0,5...3,31 mm ² stranded wire with ferrule
	Max tightening torque	0.5 Nm
	KNX	Bus connect terminal
Output	Number	XX output
	Switching voltage	250 V AC; 50/60 Hz
	Switching current 250 V AC	16A / AC 1
	Switching current 250 V AC, capacitive loads	16A (200μF)
	Maximum switching power	4000 VA
	Mechanical life	> 1 x 10 ⁶
Type of load	Incandescent lamp	4000 W
	Halogen lamp	4000 W
	Inductive loads, transformer	2000 W
	Electronic drivers	1500 W
Type of contact	Potential-free, bistable, isolated	
Input	Number	YY binary inputs
	Scanning voltage	5 V
	Current	1 mA
Installation	Cable length	< 300 m
	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	L x W x h	90 x W x 66 mm
	Width W in mm	108 mm
	Width W in units (18 mm modules)	6 units
Box	Plastic, polycarbonate, colour grey	
CE	In accordance with the EMC guideline and low voltage directives.	

Grouping Topology Visual



	Lighting	AC Blind	DC Blind	Fan Coil Fan Control	Valve Control
RC12YY	A1A2-B1B2... F1F2	A-B-C-D-E- F	AB - CD - EF	AB - CD - EF	AB - CD - EF
RC08YY	A1A2-B1B2... D1D2	A-B-C-D	AB - CD	AB - CD	AB - CD

For lighting and AC Blinds;

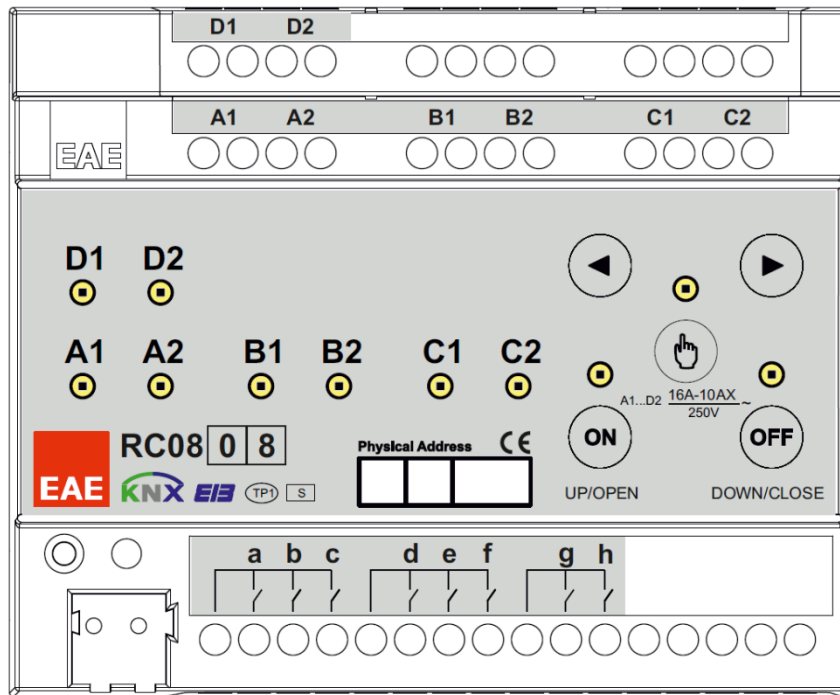
- Channels can be used individually, in example: A1 & A2 can be used as a switch for lighting and B1 & B2 can be used as an AC Blind etc. as shown with **red coloured** drawings in visual above.

For DC Blind, Fan Coil Fan Control and Valve Control;

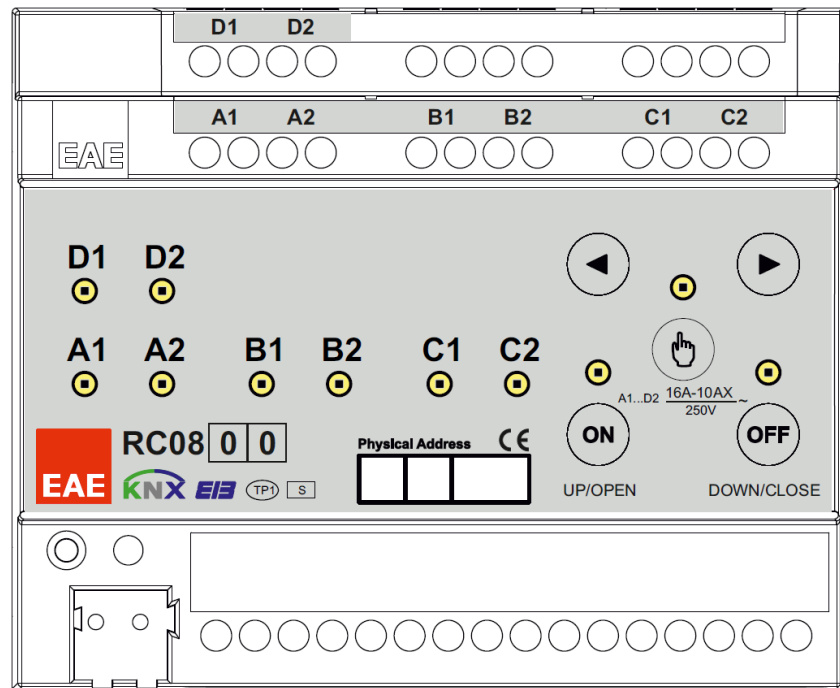
- Subsequent channels are linked together, in example: E1E2 and F1F2 have to be used together for DC Blind etc. as shown with **blue coloured** drawings in visual above.

Scale Drawings

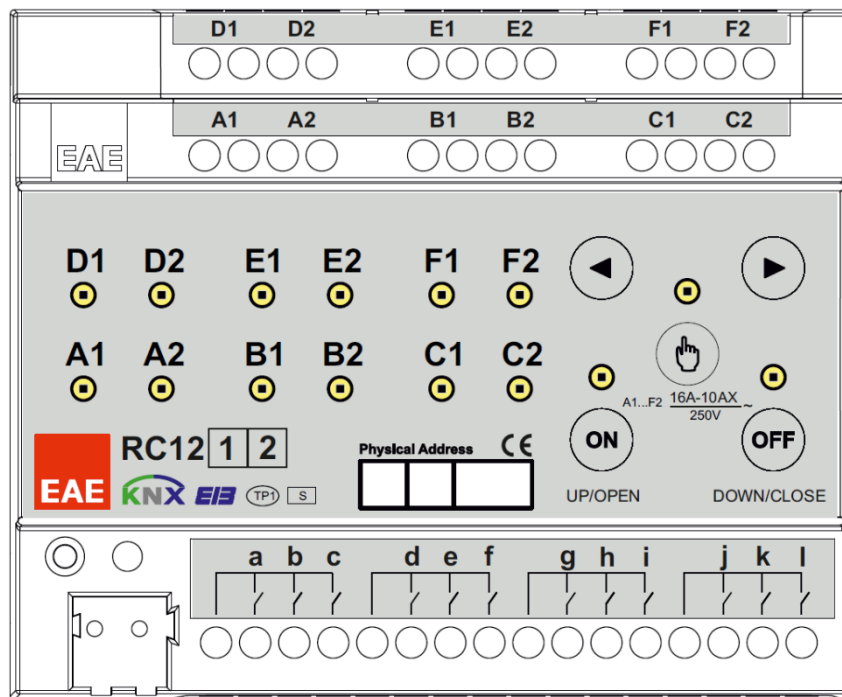
RC0808



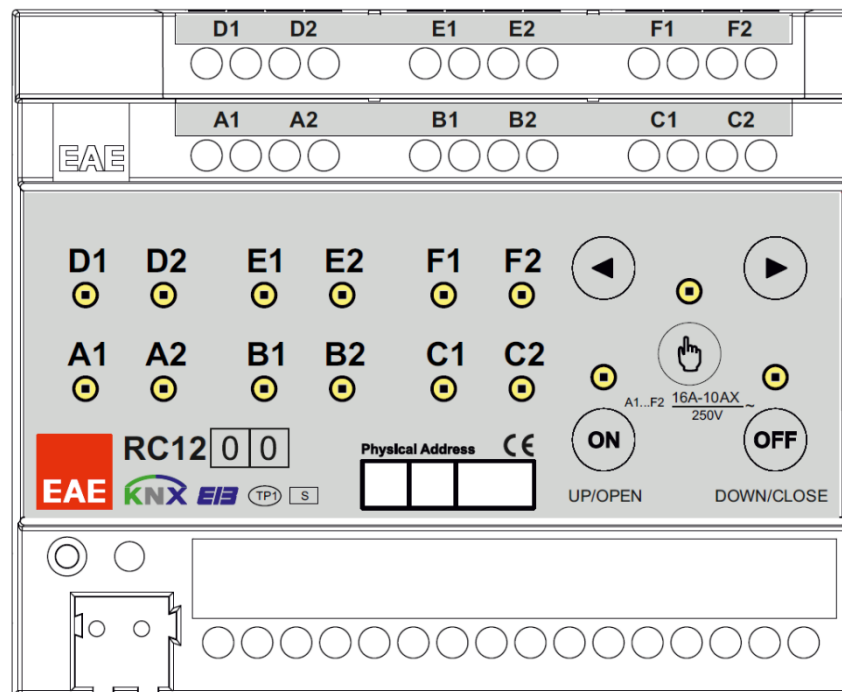
RC0800



RC1212

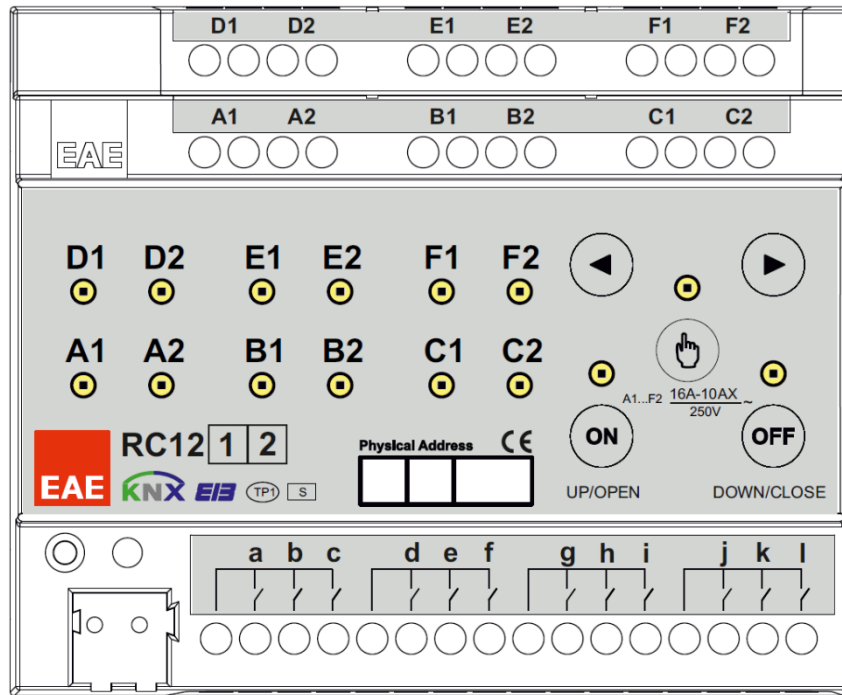


RC1200

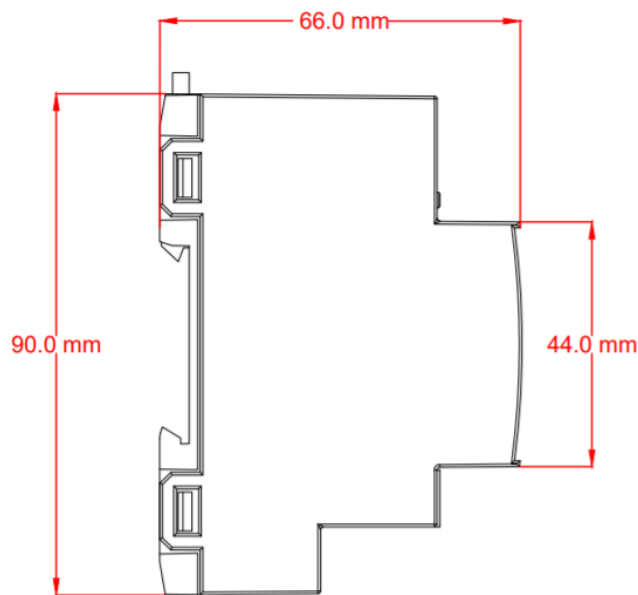


Scale Dimensions

<----- 108 mm ----->



Front View



Side View