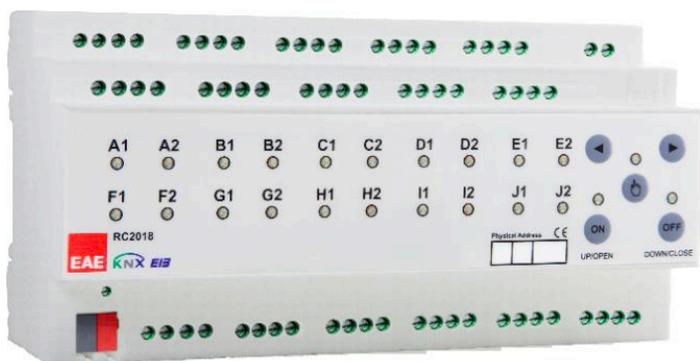




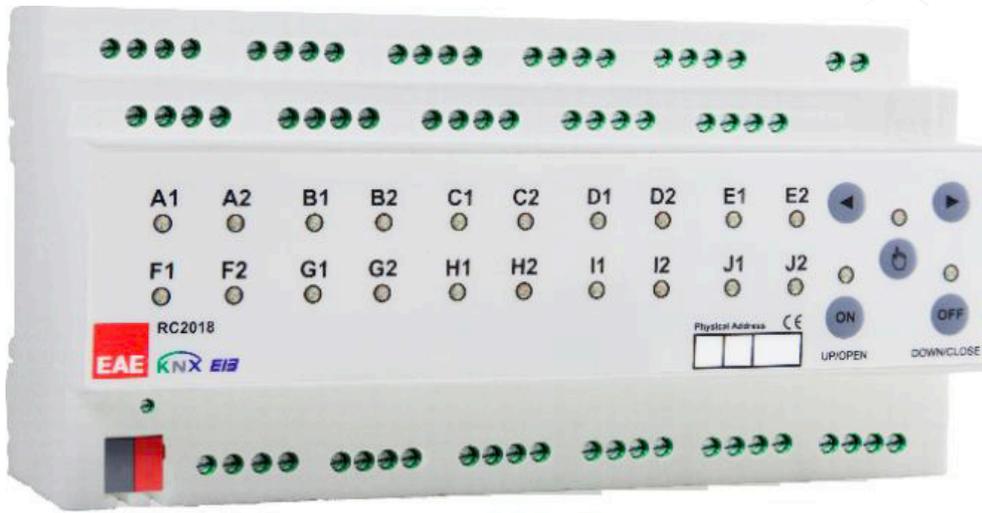
Datasheet RCU2018

EAE KNX Room Control Unit

All you need is EAE



General Features



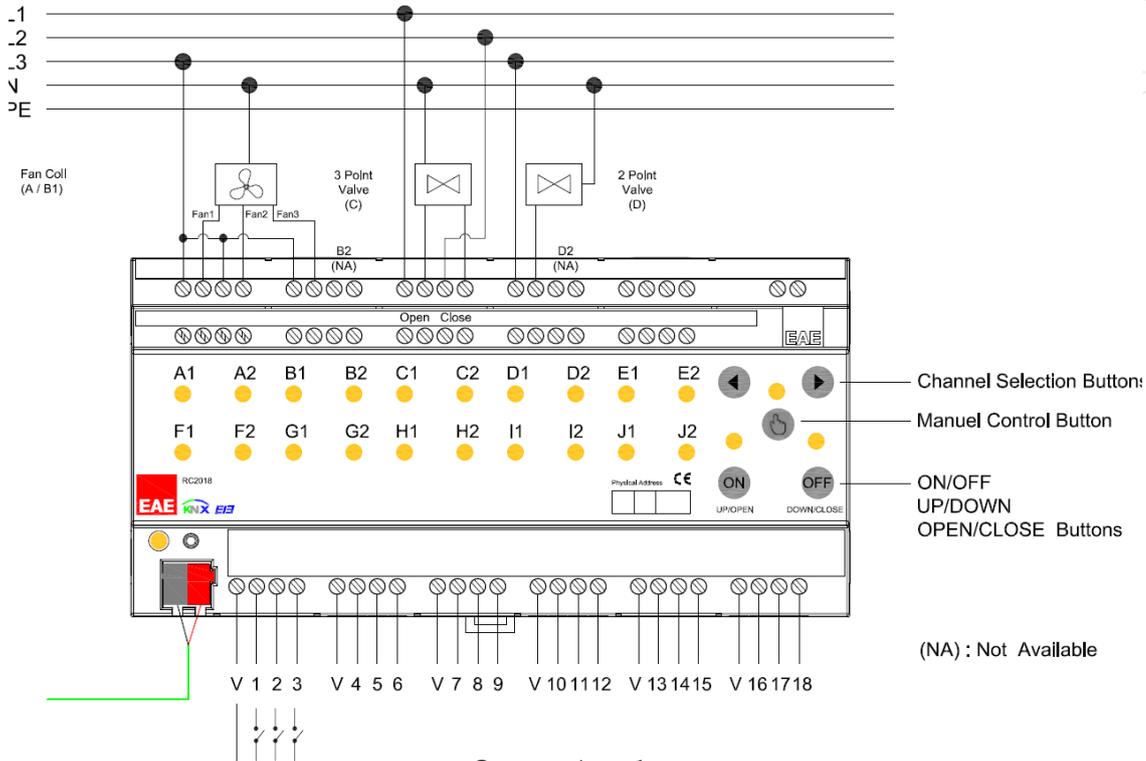
- RCU2018 has 20x16A relay outputs. These outputs are grouped as 5 independent output channels. Each channel can be configured to have different modes of operation as follows,
 - Switching output x4
 - AC Blind x2
 - DC Blind x1
 - 2 Point valve x2
 - 3 point valve x1
- Device has 18 independent input 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
- 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
- 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 builtin button panel.
- 220V auxiliary power is not required.



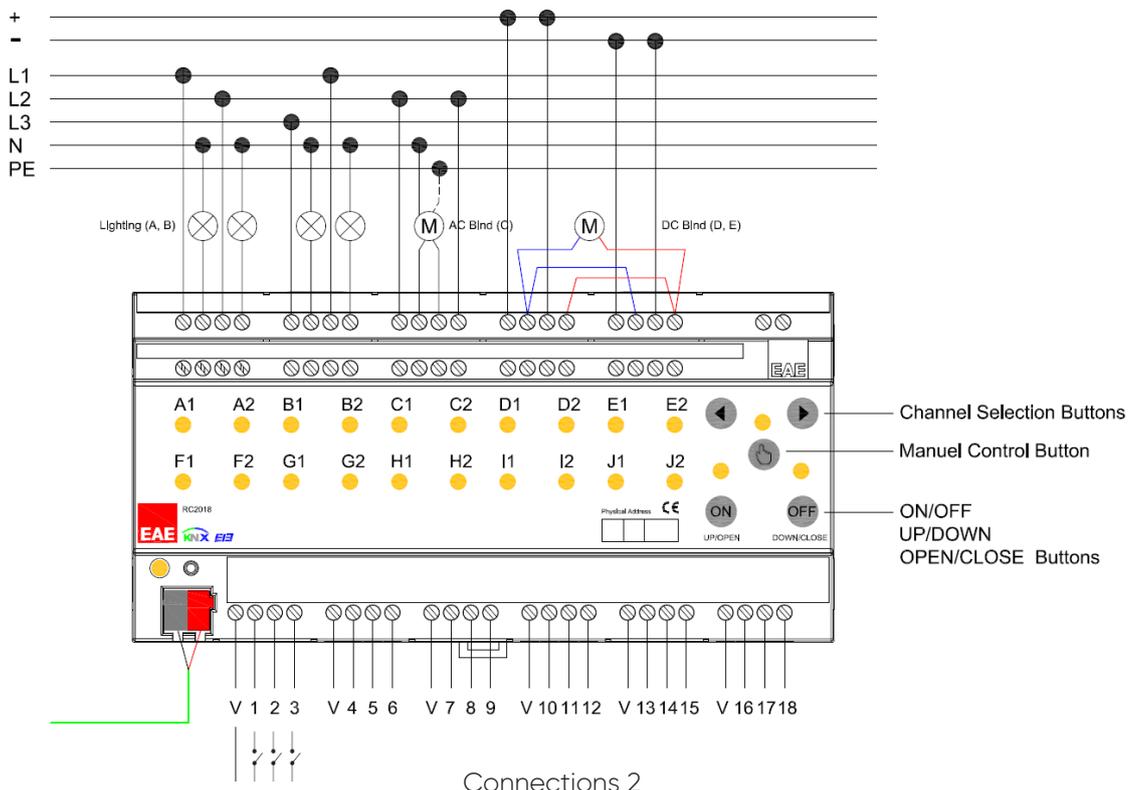
Technical Data

Protection Grade	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 0,5 Nm
	Max tightening torque	
	KNX	Bus connect terminal
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	
Input	Number	18 binary inputs
	Scanning voltage	5 V pulsed
	Current	1 mA
	Cable length	< 300 m
Output	Number	20 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
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	
Material	Plastic, polycarbonate, colour grey	
CE	In accordance with the EMC guideline and low voltage	

Connections



Connections 1



Connections 2

Technical Drawings

