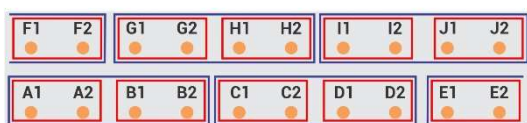## Connection

1. Physical Address Label
2. KNX programming button
3. KNX programming LED
4. KNX connection
5. Indicator LEDs
6. Manual control channel selection buttons
7. Manual control button
8. Manual control up/down, on/off button
9. Inputs

## General Description



- Lighting
- AC Blind
- Fan/Valve/DC Blind

Device has 20 outputs which can be programmed via ETS5 or above. Outputs contain 5 independent outputs. (AB, CD, EF, GH, IJ) Operating method for each relay group can be configured as like below.

- Switching Output x4
- AC Blind x2
- DC Blind x1
- Two Point Valve x2
- Three Point Valve x2

Device has 18 independent Input Channels. Input Channels may operate the actions below as well as Universal Interface.

- Switching
- Dim Control
- Blind Control
- Value and Priority Sending
- Scene Control
- Pulse Counter

All of input configurations can be operated independently.

## Operation and Indication Elements

**-Programming LED[3]**
Programming LED will be indicated if the programming button pressed. This button is used to download individual address to the device.
**-Manual Control Channel Selection Buttons [6]**
This button can be used to select relay or relay groups.
**-Manual Control Button [7]**
This button is used to switch to manual mode in device.
**-Manual Control Up/Down, On/Off button [8]**
This button is used to control the relay or relay groups.

## Installation

Device is manufactured according to EN 60 715 standard. It is compatible with 35 mm DIN rail.
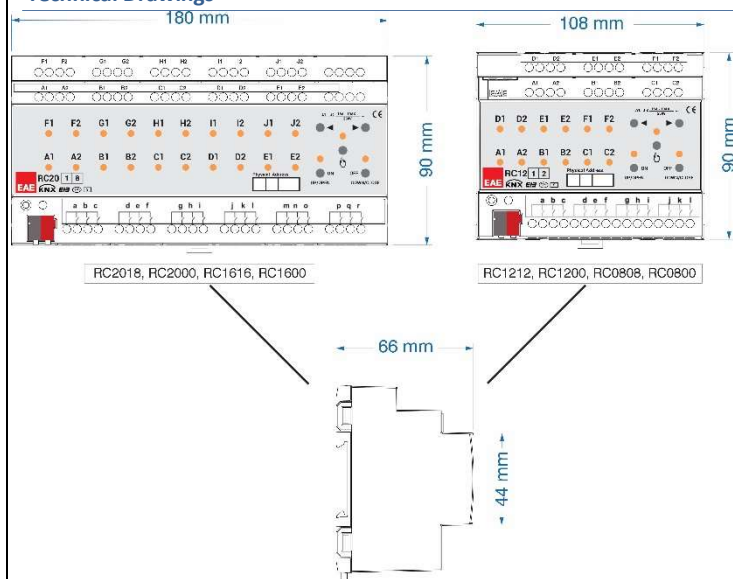
## Cleaning

If device becomes dirty, only a dry cloth can be used for cleaning. It is not suitable to use wet cloths, caustics and solvents.

## Technical Data

| Type of protection | IP 20 | EN 60 529 | |
|---|---|---|---|
| Safety class | II | EN 61 140 | |
| Power supply | 21V… 30V DC, SELV, Current consumption <15mA | | |
| Connections | Screw terminals | | |
| | 0,05…4 mm solid and stranded wire | | |
| | 0,05…2,5 mm stranded wire with ferrule | | |
| | 0.8 Nm Max. Tightening torque | | |
| | KNX Bus connection terminal | | |
| Input | YY binary inputs | | |
| Output | XX output | | |
| | Switching ratings: 16A 250 VAC/6x $10^3$ OPS (Resistive) | | |
| | Incandescent lamp: 3500W | | |
| | Halogen lamp: 3500W | | |
| | Inductive load, transformer: 2000W | | |
| | Electronic driver: 1500W | | |
| | Max. Inrush current 492A/1.5ms-165A/20ms | | |
| | Max. switching power 4000VA | | |
| Output life | Mechanical life 2 x $10^6$ | | |
| Installation | 35 mm mounting rail EN 60 715 | | |
| Temperature range | Operation      -5° C  + 45° C | | |
| | Storage         -25° C  + 55° C | | |
| Humidity | Max. Air humidity 95 % no moisture condensation | | |
| Dimensions | RC2018, RC2000, RC1616, RC1600 | 66 x 180 x 90 mm | |
| | RC1212, RC1200, RC0808, RC0800 | 66 x 108 x 90 mm | |
| Weight | 0.65 kg | | |
| Box | Plastic, polycarbonate, color grey | | |
| CE | In accordance with the EMC guideline and low voltage | | |

## Technical Drawings



RC2018, RC2000, RC1616, RC1600

RC1212, RC1200, RC0808, RC0800

## Commissioning

Device product file ".knxprod" must be imported to the ETS product catalog. Product file can be found in our website. www.eaetechnology.com
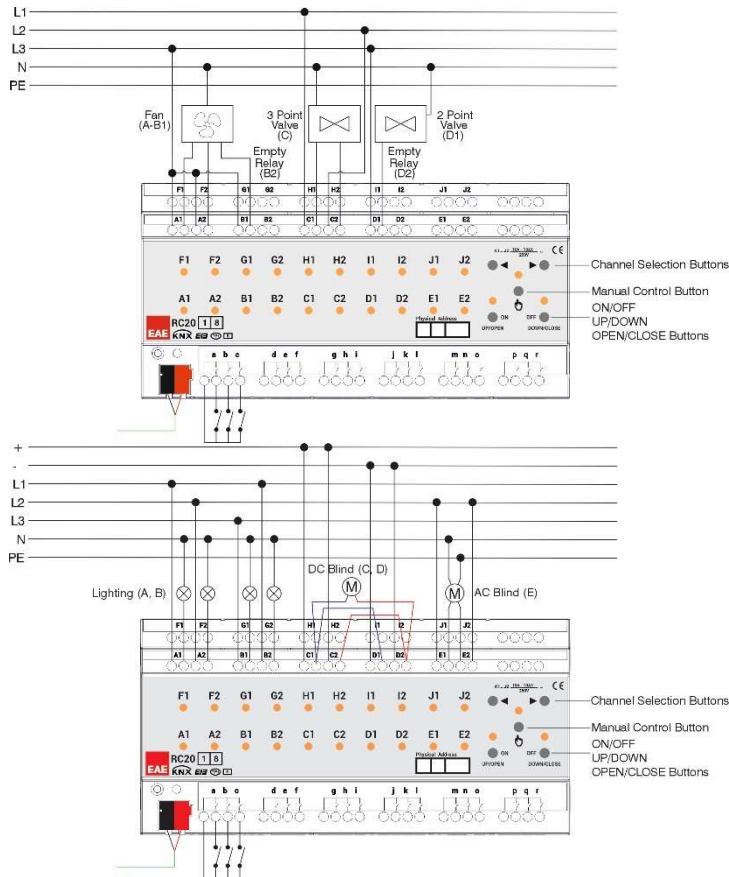Physical addressing and programming can be done ETS5 or higher.

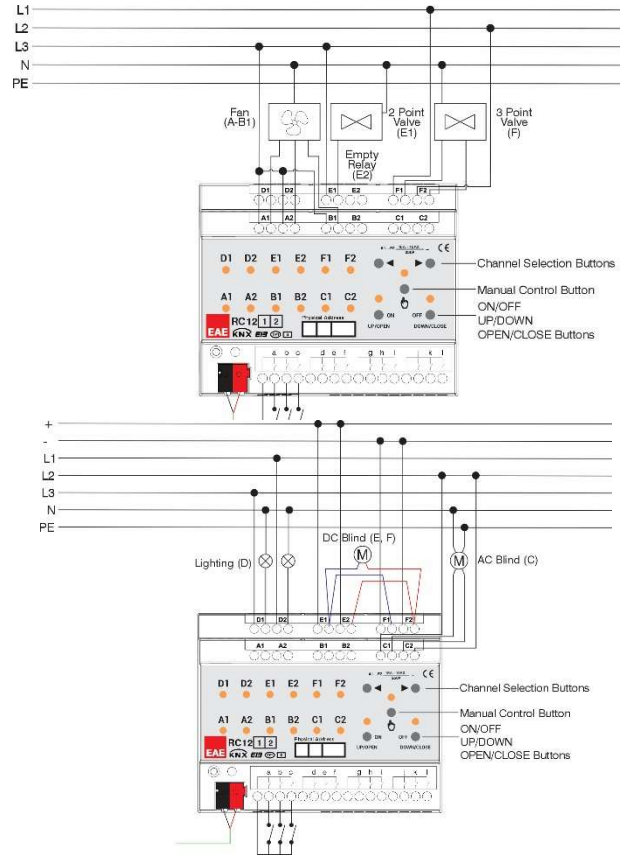ℹ️ A detailed information about parameter configuration can be found in Product Manual of device.

❗ Installation and commissioning of device may only be implemented by trained electricians. The relevant standards, directives, regulations and instructions must be observed when planning and implementing the electrical installation.

- When connecting the device make sure that the device can be isolated!
- Protect the device against moisture, dirt and damage during transport, storage and operation!
- Do not operate the device out of the specified technical data which is stated.
- The device may only be operated in closed enclosures such as distribution boards.
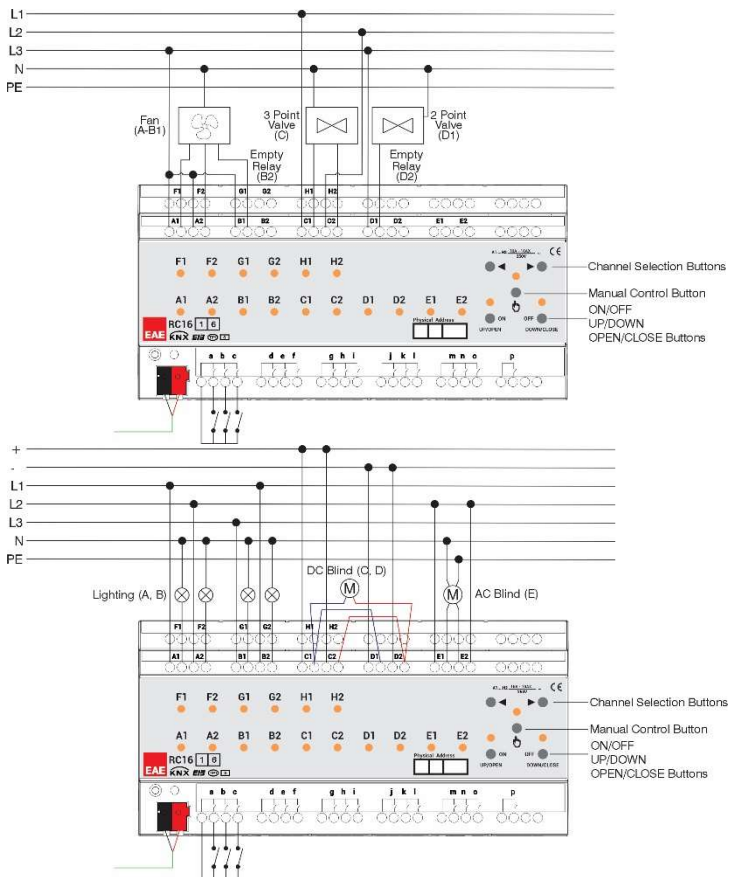
## Room Control Unit 2018



## Room Control Unit 1212



## Room Control Unit 1616



## Room Control Unit 0808

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