

#### FEATURES

- KNXnet/IP tunneling protocol (up to 4 simultaneous connections).
- KNXnet/IP routing protocol.
- Support of long messages (max. 240 byte APDU length).
- Neither auxiliary power nor PoE is needed.
- Load bus diagram from last hour.
- Manual function enable/disable button.
- Ethernet 10/100 BaseT IP (Fast Ethernet).
- Parameterizable filtering for addresses 14/X/X and onwards.
- Dimensions 90 x 71 x 36mm (2 DIN units).
- DIN rail mounting (EN 50022), through pressure.
- Integrated KNX BCU.
- Conformity with the CE directives (CE-mark on the backside).

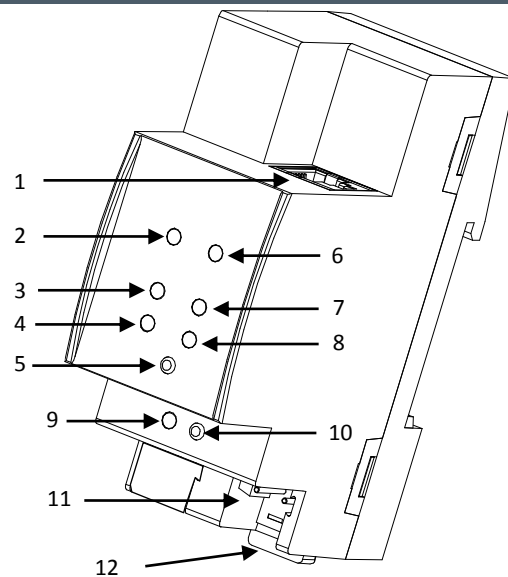


Figure 1. IP Router CL

|                          |                       |                             |                           |
|--------------------------|-----------------------|-----------------------------|---------------------------|
| 1-RJ45 socket            | 2-Ethernet line LED   | 3-Ethernet line traffic LED | 4- Group address LED      |
| 5-Manual function button | 6-KNX line LED        | 7-KNX line traffic LED      | 8-Physical address LED    |
| 9-Programming LED        | 10-Programming button | 11-KNX line connector       | 12-DIN rail clamping part |

| GENERAL SPECIFICATIONS        |                       |  |                |                 |
|-------------------------------|-----------------------|--|----------------|-----------------|
| CONCEPT                       |                       | DESCRIPTION  |                |                 |
| Type of device                |                       | Electric operation control device  |                |                 |
| KNX supply                    | Voltage (typical)     | 29VDC SELV   |                |                 |
|                               | Voltage range         | 21... 30VDC  |                |                 |
|                               | Maximum consumption   | Voltage  | mA             | mW              |
|                               |                       | 29VDC (typical)  | Less than 20mA | Less than 580mW |
| 24VDC                         | Less than 20mA        | Less than 480mW  |                |                 |
| Connection type               |                       | Typical TP1 bus connector for 0.80mm Ø rigid cable   |                |                 |
| External power supply         |                       | Not required (neither external power supply nor PoE)   |                |                 |
| Operation temperature         |                       | -5°C to +45°C  |                |                 |
| Storage temperature           |                       | -20°C to +60°C   |                |                 |
| Operation humidity            |                       | 5% to 93% RH (no condensation)   |                |                 |
| Storage humidity              |                       | 5% to 93% RH (no condensation)   |                |                 |
| Complementary characteristics |                       | Class B  |                |                 |
| Protection class              |                       | III  |                |                 |
| Operation type                |                       | Continuous operation   |                |                 |
| Device action type            |                       | Type 1   |                |                 |
| Electrical stress period      |                       | Long   |                |                 |
| Degree of protection          |                       | IP20, clean environment  |                |                 |
| Installation                  |                       | Independent device to be mounted inside electrical panels with DIN rail (EN 50022).  |                |                 |
| Status LED                    | Ethernet line         | Green (Ethernet line OK), red (manual overwrite active), OFF (error)   |                |                 |
|                               | KNX line              | Green (KNX line OK), OFF (error or not connected)  |                |                 |
|                               | Ethernet line traffic | Blinking: green (traffic on Ethernet line), red (error), OFF (no traffic)  |                |                 |
|                               | KNX line traffic      | Blinking: green (traffic on KNX line), red (error), OFF (no traffic)   |                |                 |
|                               | Group address (GA)    | OFF (different configuration on Ethernet and KNX lines), green (filter table active), green and red (route all), red (block) |                |                 |
|                               | Physical address (PA) | OFF (different configuration on Ethernet and KNX lines), green (filter table active), orange (route all), red (block)        |                |                 |
| Programming LED               |                       | OFF (normal), red (programming mode), flashing red (Ethernet cable not connected)  |                |                 |
| Weight                        |                       | 70g  |                |                 |
| IP Connection                 | Ethernet connector    | RJ45   |                |                 |
|                               | IP communication      | Ethernet 10/100 BaseT (up to 100Mbit/s)  |                |                 |
| Housing material              |                       | Plastic PA66, grey   |                |                 |



#### SAFETY INSTRUCTIONS

- Installation should only be performed by qualified professionals according to the laws and regulations applicable in each country.
- Do not connect the mains voltage nor any other external voltage to any point of the KNX bus; it would represent a risk for the entire KNX system and Ethernet. The facility must have enough insulation between the mains (or auxiliary) voltage and the KNX bus.
- Once the device is installed (in the panel or box), it must not be accessible from outside.
- Keep the device away from water and do not cover it with clothes, paper or any other material while in use.
- The WEEE logo means that this device contains electronic parts and it must be properly disposed of by following the instructions at <http://zennio.com/weee-regulation>.

