

### FEATURES

- KNXnet/IP tunneling protocol (up to 4 simultaneous connections).
- 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).
- RJ45 socket.
- 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).

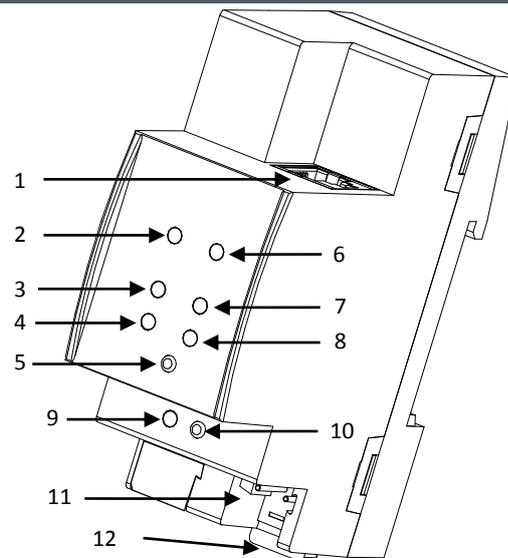


Figure 1. IP Interface CL

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 .. +45°C		
Storage temperature		-20°C .. +60°C		
Operation humidity		5% .. 93% RH (no condensation)		
Storage humidity		5% .. 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), red (default values reset), blinking green (boot mode)		
	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 (normal operation), red (default values reset)		
	Physical address (PA)	OFF (normal operation), red (default values reset)		
Programming LED		OFF (normal), red (programming mode), flashing red (Ethernet cable not connected)		
Weight		70g		
IP Connector	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>.

