

FEATURES

- Long messages up to 250 bytes.
- 6 Status LED.
- Low current consumption.
- Manual function enable/disable button.
- DIN rail mounting (EN 50022), through pressure.
- Dimensions 90 x 70 x 35mm (2 DIN units).
- No external power supply required other than the Bus.
- Integrated KNX BCU.
- Conformity with the CE directives.

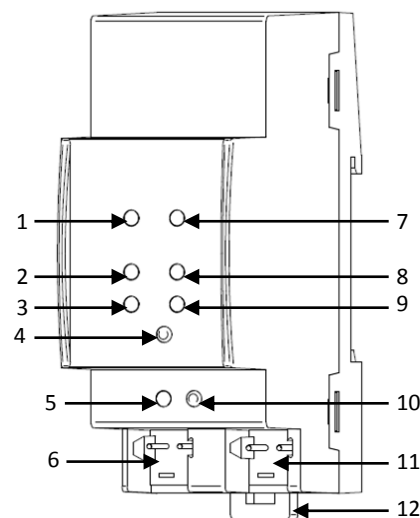


Figure 1. Linecoupler CL

1-Mainline LED	2-Mainline traffic LED	3-Group addresses LED	4- Manual function button
5-Programming LED	6-KNX mainline	7-Sub-line LED	8-Sub-line traffic LED
9-Physical addresses LED	10-Programming button	11-KNX sub-line	12-Din rail clamp

GENERAL SPECIFICATIONS			
CONCEPT		DESCRIPTION	
Type of device		Electric Operation Control Device	
KNX Supply	Voltage (typical)		29VDC SELV
	Voltage range		21... 31VDC
	Maximum consumption	Voltage	mA
		29VDC (typical)	Less than 10mA
24VDC ⁽¹⁾	Less than 10mA	Less than 290mW	
Connection type		Typical TP1 bus connector for 0.80mm Ø rigid cable	
External Power Supply		Not required	
Operation temperature		from -5°C to +45°C	
Storage temperature		from -20°C to +60°C	
Operation humidity		from 5% to 93% RH (No condensation)	
Storage humidity		from 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 control assembly device to be mounted inside of electrical panels with DIN rail (EN 50022).	
Status LED	Mainline	Green (Main line OK), red (manual overwrite active), OFF (error)	
	Sub-line	Green (Sub-line OK), OFF (error or not connected)	
	Mainline Traffic	Blinking: green (bus traffic on mainline), red (error), OFF (no traffic)	
	Sub-line Traffic	Blinking: green (bus traffic on sub-line), red (error), OFF (no traffic)	
	Group Addresses (GA)	OFF (different configuration on mainline and sub-line), green (filter table active), green and red (route all), red (block)	
Physical Addresses (PA)	OFF (different configuration on mainline and sub-line), green (filter table active), orange (route all), red (block)		
Weight		66g	
PCB CTI		175 V	
Housing		Plastic PA66, grey	

⁽¹⁾ Maximum consumption in the worst case scenario (KNX Fan-In model)



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. The facility must have enough insulation between the mains (or auxiliary) voltage and the KNX bus or the wires of other accessories, in case of being installed.
- 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>.

