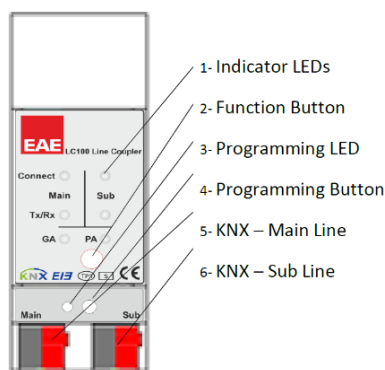


General Description

- LC100 is able to filter the traffic according to the installation place in the bus system hierarchy or according to the built in filter tables for group oriented communication
- Galvanic isolated KNX bus lines
- Bus status (traffic, errors, filter) on each line are accurately shown by six bicolor LEDs
- LC100 supports long telegrams and features an configurable "Manual Function" that can be activated by a single button press
- Configurable one-button activation for special functions, e.g. transmit all group telegrams (useful during commissioning, automatic reset after a dedicated time, max. 8h)

Device Peripherals



Operating LEDs

Indicator	Green	Blinkd Green	Orange	Red	Blinkd Red	Off
Connect – Main	KNX Main line OK	-	Manual Function Active	-	-	No KNX Main Line connection
Connect – Sub	KNX Sub line OK	-	-	-	-	No KNX Sub Line connection
Tx/Rx – Main	-	Traffic on KNX Main line	-	-	Transmission Error on KNX Main line	No traffic on KNX Main line
Tx/Rx – Sub	-	Traffic on KNX Sub line	-	-	Transmission Error on KNX Sub line	No traffic on KNX Sub line
Group Address	Filter	-	Route all	Block all	-	No route
Physical Address	Filter	-	Route all	Block all	-	No route
Programming LED	-	-	-	Prg. mode	-	Programming mode de-active

Function Button

Long press (3 sec)

- - Switch to manual override.
- - Default function is set with LAN line and (KNX) line parameter.
- - Manual override functionality is configured in "General parameters".
- NOTE: The latest downloaded settings (parameters) and filter table are still available after switching back from "Manual operation" to "Normal operation".

Very long press (15s)

- LEDs: LEDs are on red
- - Press and release button after 15 sec and press again for 3 sec: resets all the parameter to factory default (incl. physical address).

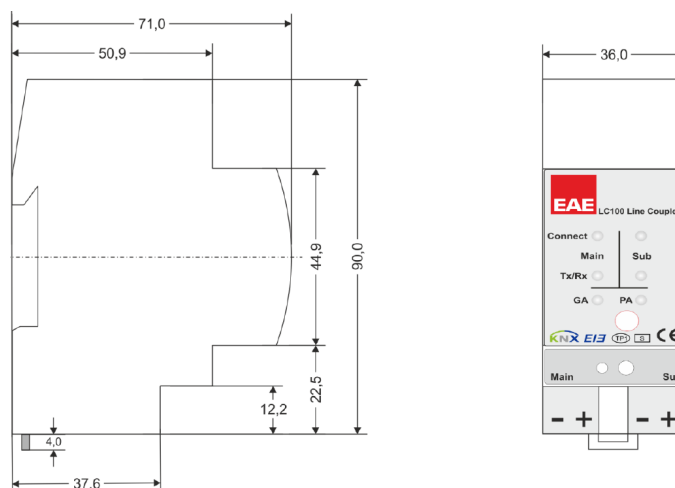
Cleaning

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

Protection Class	IP 20	EN 60 529
Safety Class	III	EN 61 140
Power Supply	- Voltage	21V... 30V DC, SELV
	- Current consumption	< 10 mA
Installation	- 35mm mounting rail	EN 60 715
Operating Elements	- LED (red) and button	For physical address
	- Function Button	For special modes
Temperature Range	- Ambient	-5° C + 45° C
	- Storage	-25° C + 55° C
	- Transport	-25° C + 70° C
Humidity	- max. air humidity	95 % non condense
Dimensions	90x36x71 mm	
Weight	62g	
Box	Plastic, polycarbonate, color grey	
CE	In accordance with the EMC guideline and LV directives	

Technical Drawings



Commissioning

Please note for commissioning with default settings:

- All telegrams are blocked because the filter table is not defined
- The Manual Function switch-off time is 120 min
- Physical address is 15.15.0

