

LETOUR

Line Coupler Datasheet

Applicable Model :

LY/XL001412J

KNX international standard home and building control system

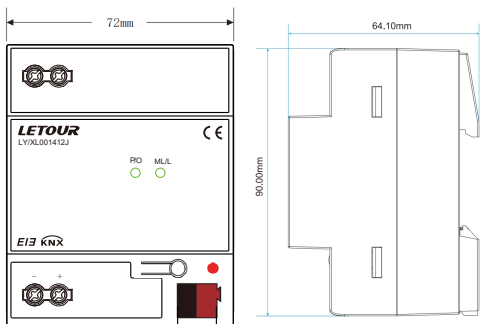
Product Feature

The line coupler is a modular installation device, its width occupies 4P space unit, it is used as a repeater for branch coupling or domain coupling. When it is used as branch coupling, the branch line is connected through the main line, and when it is used as domain coupling, the domain branch line is connected through the main line. It provides separation of electrical energy. The device does not require additional power supply voltage for operation and is powered directly by the EIB/KNX bus.

Technical Parameter

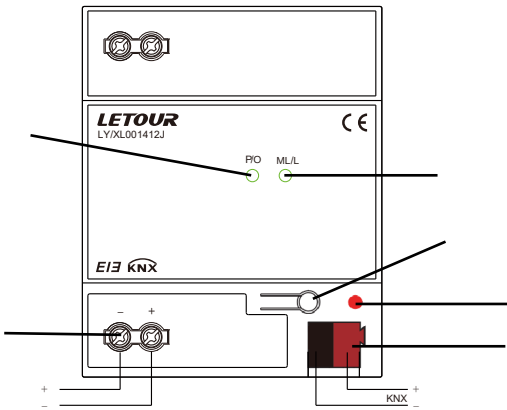
External connections	KNX bus (main line)	Right bus connection terminal
	KNX bus (branch line)	Left bus connection terminal
Operation and display	Bus power indicator	LED
	Working status indicator	LED
	KNX main line indicator	LED
	KNX branch line indicator	LED
Protection class	IP20	According to EN60529
Security Level	III	According to EN61140
Insulation	Overvoltage	EN60664-1
	Pollution of the power grid	EN60664-1 2
KNX safety voltage	SELV	31V DC
Temperature range	Operation	-5°C...+45°C
	Storage	-25°C...+55°C
	Transportation	-25°C...+70°C
Enviornmental conditions	Humidity	95%, except condensation

Dimension



Dimension	Weight
72x 90 x 64mm	0.24kg

Wiring Diagram



Notes

- ①Red light: Bus power on protection indicator light; Green light: Bus short circuit protection indicator light
- ②Green light: Main line connection indicator light; Red light: Branch line connection indicator light
- ③Programming button
- ④Device addressing status indicator
- ⑤KNX branch line terminal
- ⑥KNX Main line terminal

Installation Notes

In order to facilitate quick installation in a distribution box or small box , this device is designed as a modular installation device according to the EN60715 series and can be installed on a 35 mm DIN rail. During installation, it is necessary to ensure that the device is operated, tested, inspected, maintained and repaired correctly.

Important Hint

Installation and commissioning of the device may only be performed by qualified and skilled electricians. Relevant standards, directives, rules and instructions must be strictly followed during the planning and implementation of electrical installations.

- Devices need to be protected from moisture, dirt, and damage during transportation, storage, and use.
- Do not operate the device outside specifieds pecifications (eg. temperature range).
- The device can only be operated in a closed environment (eg. junction box).

When the device is dirty, only use a dry cloth to clean it. If this is not enough to clean it, use a damp cloth with a little soapy solution and wipe it gently. Never use alkalis or corrosive solvents.