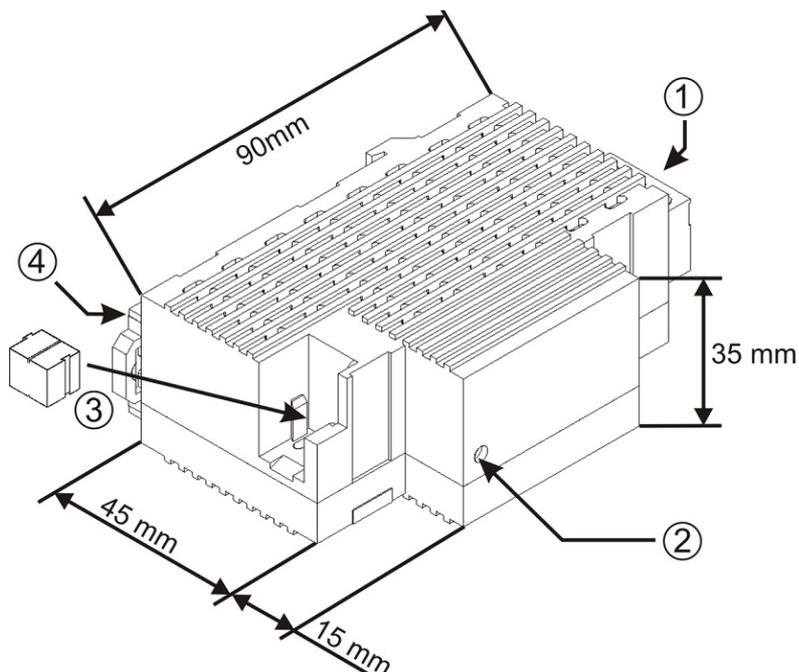


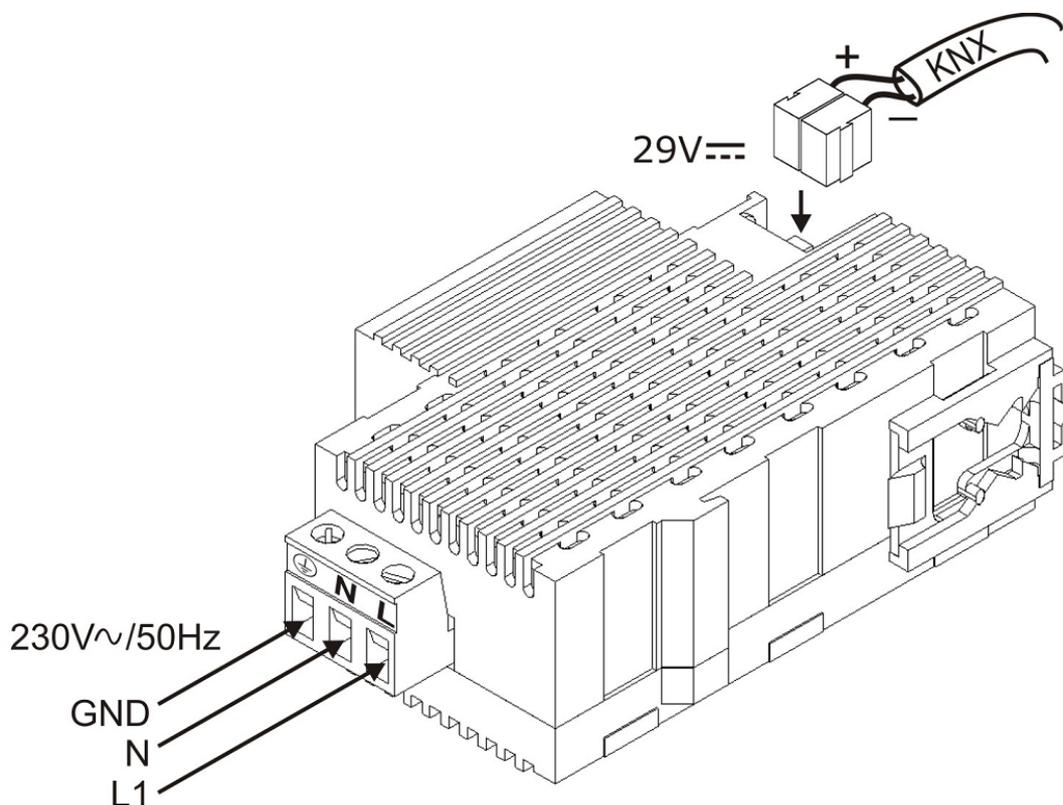
- Reduced size: 90 x 60 x 35 mm (2 DIN rail units).
- ZPS160M Power Supply generates and monitors the KNX System Voltage Supply.
- The ZPS160M is able to supply power up to 16 KNX devices through its BUS Output without any additional KNX coil.
- No device needed when wiring the clamp.
- Designed to be installed in both, DIN rail enclosures and wiring boxes.
- CE directives OK.

- |    |                        |
|----|------------------------|
| 1. | Power Clamp.           |
| 2. | Green LED              |
| 3. | Standard BUS Connector |
| 4. | DIN Rail               |



### Installation and Connection

- This KNX Power Supply must be exclusively installed in a 35mm DIN rail in a distribution box or an electrical panel.
- Ensure adequate ventilation to prevent the range of permissible temperature of the device is not exceeded.
- Main Power must be connected to L, N and  $\perp$  terminals, in accordance with the schematic represented below.
- The coil integrated KNX Output must be connected through a standard KNX connector as shown in the schematic below.
- Two Power Supplies can be connected in parallel in accordance with the EIB guideline, if the line length between both of them is at least 200 meters on the BUS side.



## Controls & Indicators.

Green LED ON implies the device is working properly. If not, the following cases are observed:

- LED OFF
  - Short-Circuit on the BUS Output. Eliminate the Short-Circuit.
  - AC Power Failure. Check the AC Power Supply.
  - BUS Line Overload.\*
- A LED blinking every few seconds implies a slight BUS Line Overload.\*

\*Reduce the BUS devices until its total consumption does not exceed 160 mA.

Note: To "Reset" the BUS line, pull out the EIB connector from the Power Supply for at least 20 seconds

CONCEPT		DESCRIPTION
○ Device Type		Electric Operating Control Device
○ External Power Supply	○ Voltage	230 V AC, 50 Hz
	○ Consumption	Max 100mA
○ KNX Output	○ Voltage	29 V DC SELV
	○ Output	1 Coil Integrated Line
○ Ambient Temperature		-5°C to +45°C
○ Storage/Transport Temperature		-20°C to +55°C
○ Ambient Humidity (relative)		30 a 85% RH (no condensation)
○ Storage Humidity (relative)		30 a 85% RH (no condensation)
○ Complementary Characteristics		Class B
○ Safety Class		I
○ Operation Type		Continuous Operation
○ Device Action Type		Type 1
○ Electrical solicitations period		Long
○ Type of Protection		IP20, Clean Environment
○ Assembly		Independent control assembly device to be mounted inside distribution boxes or electrical panels.
○ Min Clearances		---
○ Power Failure Back-up time		200mS
○ Nominal Current		160mA
○ Max Current before Overload		350mA
○ Connection Type		Three screw terminals clamp
○ Cable Section		0,25 mm <sup>2</sup> to 2,5 mm <sup>2</sup>
○ Cable Type		Flexible cable with crimping terminals or rigid cable without terminals
○ Operation Indicator		Green LED ON implies a correct BUS Voltage
○ Weight		200 gr.
○ PCB CTi index		175 V
○ Enclosure		ABS, flammability category class D.



## Safety instructions

- The installation must be equipped with a device which ensures the omni-polar sectioning. It is recommended to install a 10A magneto-thermal switch.
- Do not connect the main voltage (230V) or any other external voltages at any point of the BUS. Connecting an external Voltage may endanger the security of the entire EIB/KONNEX System.
- Flexible cable with crimping terminals or rigid cable without terminals must be used for output connection.
- Ensure there is enough insulation between the AC Voltage cables and the BUS (or their extensions) ones.
- Caution! Once the device is installed, it shouldn't be accessible.
- Electrical equipment must be installed and adjusted only by qualified personnel following applicable regulations required by law for preventing accidents.
- To prevent electrical accidents, disconnect the main power before working with the device. **Use the magneto-thermal cut off switch.**
- Ignoring the installation instructions may cause fire, electrical shock or injury to persons.