

## FEATURES

- Power supply of 12VDC and up to 2A.
- External 110/230V@50/60Hz power supply.
- Short-circuit and overload protection.
- Status indicator LED.
- Efficiency of 80 to 85%
- Dimensions 68 x 93 x 35 mm (2 DIN units).
- DIN rail mounting (EN 50022), through pressure.
- Conformity with the CE directives (CE-mark on the front side).

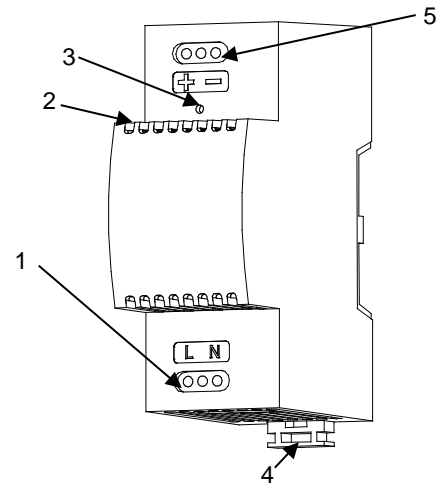


Figure 1. Auxiliary Power Supply

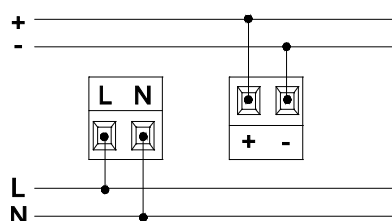
1. Input connection	2. Status indicator LED	3. Output regulation		Safety isolating transformer, short-circuit proof
4. Fixing clip	5. Output connection			For indoor use only

GENERAL SPECIFICATIONS		
CONCEPT		DESCRIPTION
Type of device	Electric operation control device	
External power supply	Voltage	110/230VAC@50/60Hz
	No load input power	0.65W
Output	Voltage	12VDC
	Adjustable output voltage	12 to 14VDC
	Nominal output current	2A
Operation temperature	-10°C to +50°C	
Storage temperature	-20°C to +55°C	
Operation humidity	5 to 90% RH (no condensation)	
Storage humidity	5 to 95% RH (no condensation)	
Complementary characteristics	Class B	
Protection class	II	
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)	
Minimum clearances	40mm over the upper side and under the lower side and 100mm between input and output cables.	
Operation indicator	Green light on operating mode; Green attenuated indicates overload; LED off indicates short-circuit or power supply failure.	
Weight	135g	
PCB CTI index	175V	
Housing material	PC/ABS FRY (UL94-V0)	

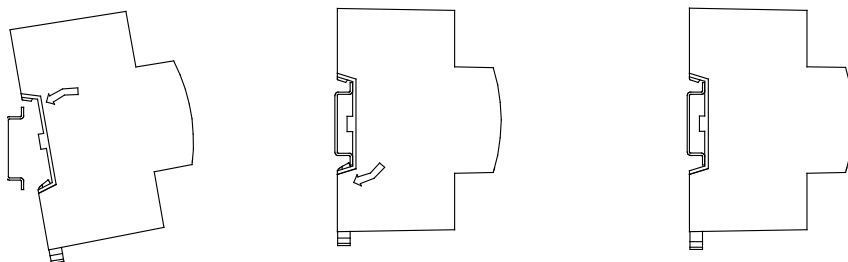
EXTERNAL POWER SUPPLY SPECIFICATIONS AND CONNECTIONS		
CONCEPT		DESCRIPTION
Power supply voltage range	110/230VAC@50/60Hz	
Power factor	0.5 to 0.6	
Power supply protection fuse	Voltage	250V
	Current	0.8A
	Response type	T (Time lag fuse)
Connection method	Screw terminal block	
Cable cross-section	0.5mm <sup>2</sup> to 2.5mm <sup>2</sup> (26-12AWG)	

OUTPUT SPECIFICATIONS AND CONNECTIONS	
CONCEPT	DESCRIPTION
Nominal Voltage	12VDC
Precision	± 3%
Line regulation / Load regulation	± 0.1%
Ripple	30mVpp
Nominal power	24W
Limitation current	2.4A
Short-circuit current	2.7A
Short-circuit protection	YES
Overload protection	YES
Connection method	Screw terminal block
Cable cross-section	0.5mm <sup>2</sup> to 2.5mm <sup>2</sup> (26-12 AWG)

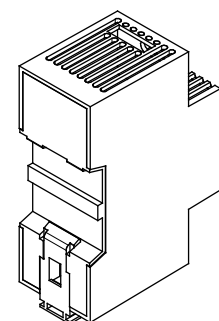
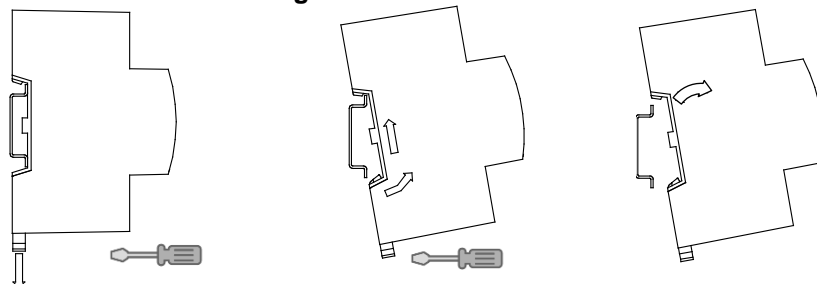
## CONNECTIONS DIAGRAM



### Attaching the device to DIN rail:



### Removing the device from DIN rail:



**Figure 2.** Mounting the device on a DIN rail



## 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.
- The facility must be equipped with a device that ensures the omnipolar sectioning. Installation of a 10A mini-circuit-breaker is recommended. To prevent accidents, it must remain open in case of manipulation of the device.
- The device has a short-circuit protection fuse that, in case of activation, should only be rearmed or replaced by the Zennio technical service.
- This device contains a security short-circuit proof transformer.
- 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>.