

FEATURES

- Power supply of 24 VDC and up to 2.5 A
- External 100-240 VAC @ 50/60 Hz power supply
- Short-circuit and overload protection
- Status indicator LED
- Efficiency of 85 to 90%
- Dimensions 52.5 x 94 x 68.5 mm (3 DIN units)
- DIN rail mounting according to IEC 60715 TH35, with fixing clamp
- Conformity with the CE directives (CE-mark on the front side)

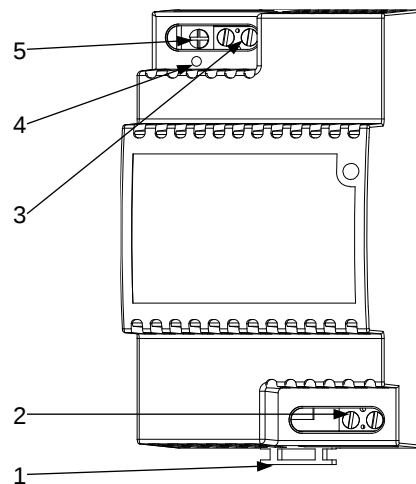


Figure 1. Auxiliary Power Supply

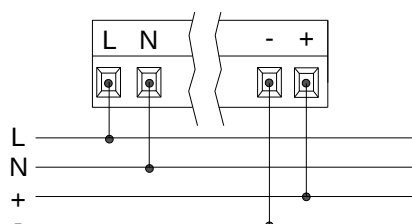
1. Fixing clip	2. Input connection	3. Output connection		Safety isolating transformer, short-circuit proof
4. Status indicator LED	5. Output regulation			For indoor use only

GENERAL SPECIFICATIONS		
CONCEPT		DESCRIPTION
Type of device		Electric operation control device
External power supply	Voltage	100-240 VAC @ 50/60 Hz
	No load input power	4.8 W
Output	Voltage	24 VDC
	Adjustable output voltage	24 to 28 VDC
	Nominal output current	2.5 A
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 (IEC 60715)
Minimum clearances		100 mm 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		175g
PCB CTI index		175V
Housing material		PC/ABS FRY (UL94-V0)

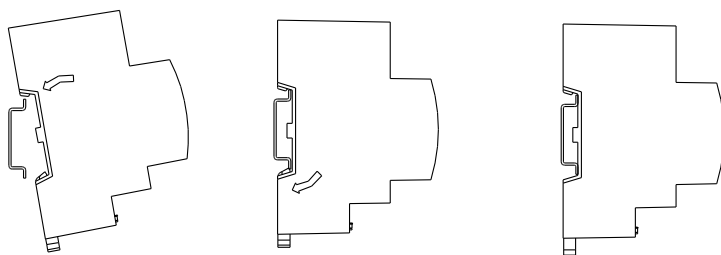
EXTERNAL POWER SUPPLY SPECIFICATIONS AND CONNECTIONS		
CONCEPT		DESCRIPTION
Power supply voltage range		100-240 VAC @ 50/60 Hz
Power factor		0.445 to 0.555
Power supply protection fuse	Voltage	250 VAC
	Current	2.0 A
	Response type	T (Time lag fuse)
Connection method		Screw terminal block
Cable cross-section		0.5 mm² to 4 mm² (26-10AWG)

OUTPUT SPECIFICATIONS AND CONNECTIONS	
CONCEPT	DESCRIPTION
Nominal Voltage	24 VDC
Precision	± 3%
Line regulation / Load regulation	± 0.01%
Ripple	175 mVpp
Nominal power	60 W
Limitation current	2.95 A
Short-circuit current	3.5 A
Short-circuit protection	YES
Overload protection	YES
Connection method	Screw terminal block
Cable cross-section	0.5 mm ² to 4 mm ² (26-10 AWG)

CONNECTIONS DIAGRAM



Attaching the device to DIN rail:



Removing the device from DIN rail:

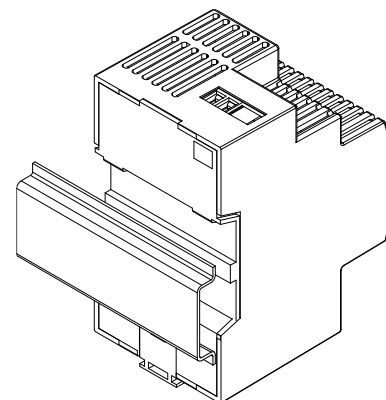
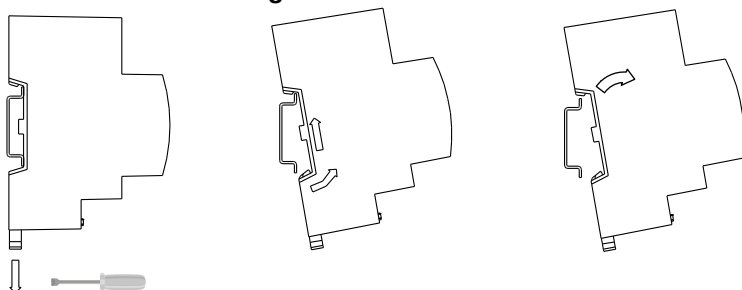


Figure 2. Mounting the device on a DIN rail



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>.

