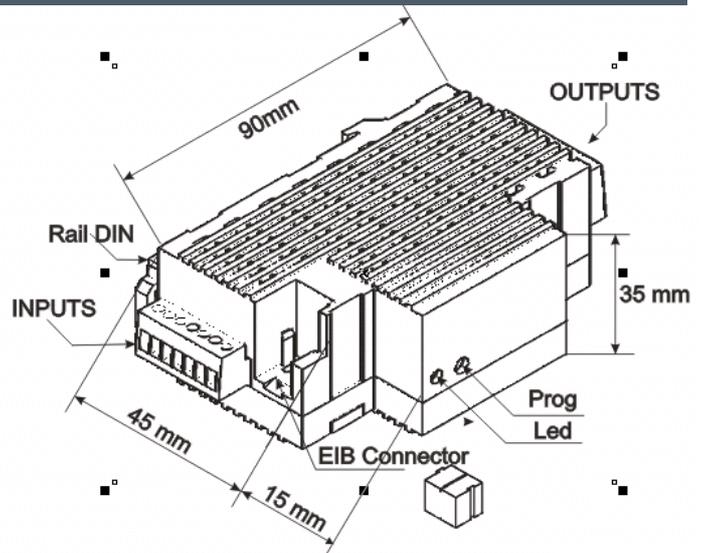


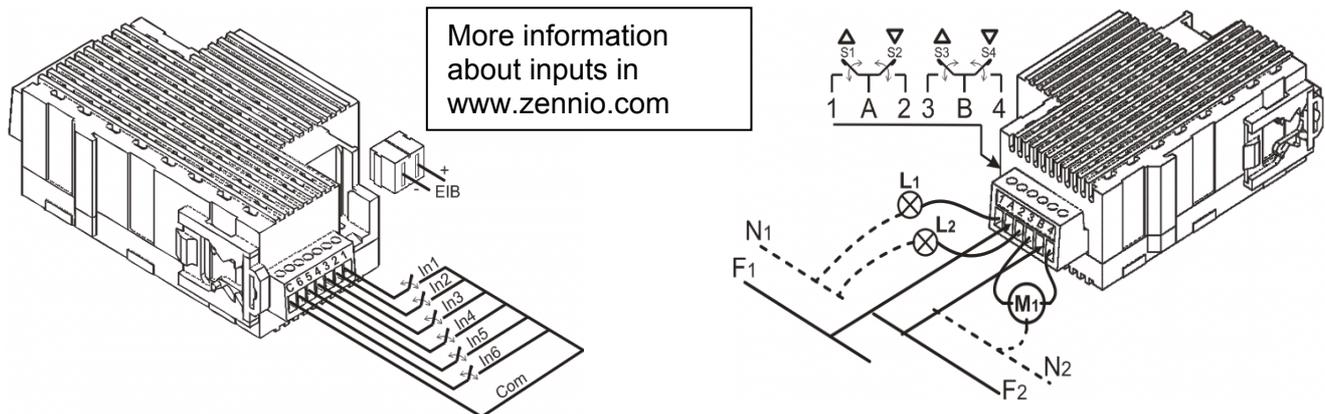
- Reduced size: 90 x 60 x 35 mm (2 DIN rail units).
- No external supply required different from BUS. .
- EIB/KNX BCU integrated.
- 2 actuation channels to be configured as:
  - 2 shutter channels or,
  - 1 shutter channel and 2 individual outputs or,
  - 4 individual outputs.
- 6 multi-function opto-coupled binary inputs for free potential contacts (e.g. push bottoms).
- Inputs & Outputs connectors wiring can be executed without the device.
- Independent control assembly device to be mounted inside distribution boxes or electrical panels. Drastical installation cost reduction
- Including Advanced Logical Functions.
- Inputs and Outputs timing facilities.
- CE directives OK.



- **Prog:** Push bottom to set the programming mode.
- **Led:** Programming mode indicator.

CONCEPT	DESCRIPTION
	■ General specifications
○ Device type	Electric operation control device.
○ Bus	
○ Operation voltage	29V DC
○ Voltage margin	20.....31VDC
○ Power consumption	Max 240mW (all inputs connected)
○ Bus connection	Typical TP1 (red-grey) KNX bus connector.
○ External supply	No
○ Ambient temperature	0°C to +55°C
○ Storage / transport temperature	-20°C a +70°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:	II
○ Operation type	Continuous operation
○ Device action type	Type 1
○ Electrical solicitations period	Long
○ Protection class	IP20, clean environment
○ Fitting method	Snap onto DIN rail (2 units width) or install in electrical box
○ Minimum clearances	---
○ Response to bus voltage failure	Data saving and outputs changes as programmed
○ Response in case of restarting	Data recovery and outputs changes as programmed.
○ Operation indication	Programming led lighting when pushing programming bottom.
○ Weight / Dimensions (W x H x T)	170 g. / 35x90x60mm
○ PCB CTi index	175 V
○ Enclosure	ABS, flammability category class D.

Inputs. Specifications and connections	
o Isolation method	Optical coupler
o Input voltage	+5V DC for the common
o Input current	1,0mA at 4,75V DC in every input
o Inputs per common	6
o Input impedance	Aprox. 4,7kΩ
o Switching type	Through potential free contacts between Input and Common.
o Connection Method	Screw terminal clamp
o Max. Cable length	10 m.
o Max. Section	0,15 mm <sup>2</sup> to 1 mm <sup>2</sup>
o Response time	<10 ms.
o Number of digitals inputs	4 (1 <sup>st</sup> , 2 <sup>nd</sup> , 3 <sup>rd</sup> and 4 <sup>th</sup> inputs)
o Number of analogs/digitals inputs	2 (5 <sup>th</sup> and 6 <sup>th</sup> inputs)



Outputs. Specifications and connections		
o Contact type	Potential-free make contact. <b>Outputs 1 and 2 NOT VALID for C-Load. Outputs 3 and 4 VALID for Capacitive Load from serial number 09AAD0001 (maximum C-load 140 µF / output).</b>	
o Type of disconnection	Micro-disconnection	
o Rated current by output	10A 250V AC (2500 VA), 10A 30V DC (300W)	
o Rated current by channel	15A 250V AC (3750 VA), 15A 30V DC (450W)	
o Outputs per common (channel)	2 outputs per common /per channel	
o Switching of different phases	Not possible	
o Connection Type	Screw Terminal Clamp	
o Cable Section	0,25 mm <sup>2</sup> to 2,5 mm <sup>2</sup>	
o Cable Type	Flexible cable using crimping terminals or rigid cable.	
o Number of automatic cycles (A) per automatic action	Mechanical (Min)	10 million operations (300cpm)
	Electrical (min.)	100.000 cycles at Max. current (20cpm and resistive load)



## SAFETY INSTRUCTIONS

- Do not connect the Main Voltage (230 V) or any other external voltages to any point of the BUS.  
Connecting an external voltage might put all the EIB/KONNEX system into risk.
- Installation should only be performed by qualified electricians following applicable regulations on preventing accidents, as required by law. Once the device is installed, it shouldn't be accessible.
- Ensure there is enough insulation between the AC Voltage cables and the BUS ones. A minimum spacing of 4 mm must be ensured.
- To avoid interfering EMC beams, the circuits for the inputs should not be installed in parallel to mains conducting lines.
- Flexible cable with crimping terminals or rigid cable without terminals must be used for output connection.
- Keep away from water. If product comes into contact with water or other liquid, unplug immediately.
- ⚠ Do not cover the device with clothes, paper or any other material when in use.
- Any non-observance of these safety instructions may cause fire or other hazards.