

8 Fold 10A Switch Actuator Datasheet

Applicable model:
TLIOT-SW8F10A

KNX/EIB Home and Building Smart Control System

Product Functions

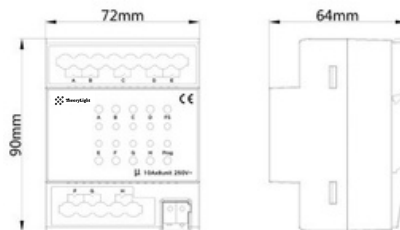
- Manual control switch
- Time function: delayed on/off time
- Scene and preset control: 8-bit/1-bit
- Status value query response
- threshold function
- Control of electrically heated valve actuator
- Relay switch position selection after bus voltage
- disconnection and recovery
- output inversion
- Stair lighting with early warning and adjustable stair lighting time

The gadget is powered directly via the EIB/KNX bus and does not require any additional supply voltage to operate.

Technical Parameters

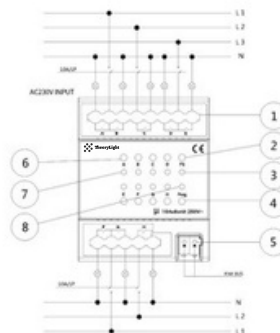
power supply	operating voltage	21-30V DC supplied by Bus
	type	0416.1
output normal value	output quantity	8
	Un rated voltage	250V/440VAC(50~60Hz)
output switch current	Conform to AC1 (EN60947-4-1) (resistive load)	10A/230V
	Conform to AC3 (EN60947-4-1) (capacitive load)	10A/230V
connection	Fluorescent lamp loads based on EN60669	10A/230V
	EIB/KNX Load Output Connection Terminal	Bus connection terminal (diameter 0.8 mm) screw terminal
	Cable cross-section	Single-core 0.2-6.0mm ² Multi-core 0.2-4 mm ²
operation and instruction	Contact Position Indicator	Contact closed - channel open Contact released - channel off
	red LED and button	Physical Address Assignment
	green LED blink	the device layer is working properly
temperature range	operation	-5°C... +45°C
	storage	-25°C... +55°C -25°C...
environmental condition	transportation	+70°C <93%, except
	humidity	condensation
design	DIN rail modular assembly 35mm DIN rail, modular mounting	
CE standard	Conforms to EMC and low voltage standards, EN50090-2-2	

Size Specification



Model	Dimension	Weight
TLIOT-SW8F10A	72x 90x 6 4mm	0.24kg

Wiring Diagram



Instruction

- ① Output/load terminal
- ② Manual mode and automatic mode switching button
- ③ Manual mode and automatic mode switching indicator lamps
- ④ Programming button
- ⑤ KNX terminal
- ⑥ Relay control button
- ⑦ Relay status indicator
- ⑧ Programming LED indicator, the green LED indicates the physical address programming state Installation Instructions

Installation Instruction

This device is designed for quick and easy installation within a distribution box or a small box, and it is a modular installation device in accordance with the EN60715 series that may be placed on a 35 mm DIN rail. The installation must be completed in such a way that the equipment can be properly operated, tested, examined, maintained, and repaired.

Important Notice

Installation and commissioning of equipment should only be performed by trained and skilled electricians. Standards, regulations, norms, and instructions governing the planning and implementation of electrical installations are carefully enforced.

- It is necessary to avoid moisture, dirt, and damage to the device during transportation, storage, and use.
- Do not operate the device outside the specified specifications (e.g. temperature range).
- Devices should only be operated in closed environments (e.g., distribution boxes).

When the unit becomes dirty, it should only be cleaned using a dry towel. If this is insufficient to clean the unit, use a moist cloth and a small amount of soap solution to gently wipe it off. Never use alkaline or caustic solvents.