



KNX Switching/Blind Actuator

WRKT4504E-XXX - 4/2 Channels
 WRKT4508J-XXX - 8/4 Channels
 WRKT4512J-XXX - 12/6 Channels

WRKT4504E-XXX
 WRKT4508J-XXX
 WRKT4512J-XXX



Installation should only be carried out by a technical personnel having certificate of competency

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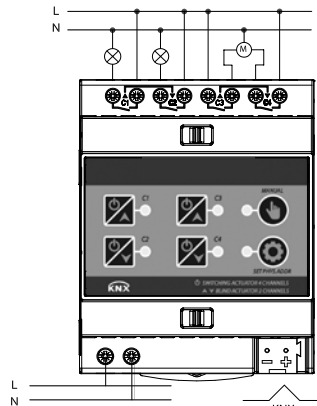
611450-KNX-EN

Control buttons for output channels

1. LEDs for signaling if the channel is switched on or off
2. Push button for direct mode (for respective output)
3. Push button for changing between direct mode and KNX application
4. Key for programming of the physical adress
5. Lock

The outputs C1, C2, C3, C4... can be used for switching and/or controlling of blind/shutter independent of the setting of the other outputs.

Connection



Technical Data

| General | |
|----------------------------|--|
| KNX interface | TP1 |
| Configuration mode | S-Mode |
| Bus voltage | 21-32 V DC |
| Supply voltage | 110 / 230 V AC |
| Mains frequency | 50 / 60 Hz |
| Installation type | DIN rail |
| Mounting width | 12/6 Channels – 144mm (8 modules) 8/4 Channels – 144mm (8 modules) 4/2 Channels – 72mm (4 modules) |
| Ambient temperature | -5 C ... +45 °C |
| Storage temperature | -10 C ... +55 °C |
| Transportation temperature | -25 C ... +70 °C |

| Connection | |
|-------------------------------|--|
| Bus connection | KNX bus terminal |
| Connection type | Screw terminals |
| Max. cable cross section | Single wire: 1.5 mm ² to 4 mm ² or 2 x 1.5 mm ² to 2 x 2.5 mm ² Stranded wire without ferrule: 0.75...4 mm ² Stranded wire with ferrule: 0.5 mm ² to 2.5 mm ² |
| Output contact type | Potential-free closing contacts |
| Switching Voltage AC | 0-230 V AC ± 10%, 50/60 Hz |
| Switching capacity at 230V AC | 16A (PF=1), 3A (PF=0,6) |

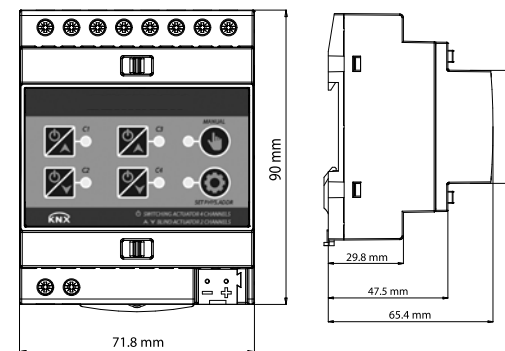
| Current Load Rating Per Device | |
|---|--|
| WRKT4504E-- | Sum of C1...C4 maximum 40A |
| WRKT4508J-- | Sum of C1...C8 maximum 80A |
| WRKT4512J-- | Sum of C1...C12 maximum 120A |
| Overall load current rating of neighbouring outputs | Max 20A Σ max. 20 A { C1 C2 C3 ... } |

| Max. connection load per output | |
|---------------------------------|------------------|
| Ohmic load | 3680 W |
| Capacitive load | max. 21µF at 16A |
| Inductive load (shutter...) | 600W |
| Max. inrush current | 80A / 20ms |

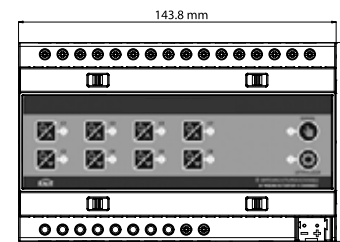
| Max. lamp load per output | |
|---|--|
| Incandescent / Halogen load | 2000 W |
| 230 V halogen lamps | 1800 W |
| Low voltage halogen lamps with electr. switching power supply | 800 W |
| Low voltage halogen lamps with inductive transformers | 800 VA |
| Fluorescent lamp load (conventional) parallel connected | 2 x 58 W (7 µF), 3 x 36 W (4,5 µF), max. 120 W (14 µF) |
| Fluorescent lamp load (conventional) series connected | 14 x 58 W, 20 x 36 W, max. 1000 VA |
| Fluorescent lamp load with EB | 3 x 36 W, 2 x 58 W, max. 120 W |
| Energy saving lamps | 6 x 7 W, 4 x 11 W, 2 x 15 W, 2 x 20 W, 2 x 23 W |

Dimensional Drawings

• 4 Channel



• 8-12 Channel



WARNING

- Ensure that the power is cut off before the assembly of the products.
- Connection and assembly of the electrical devices should be carried out only by the technical personnel having certificate of competency.
- No responsibility is assumed for the entire of the malfunction, accident and loss arising from the assembly or interference of the persons not having the competency certificate.
- Use dry or slightly damp cloth to clean the buttons, cover and frame of the product. Never use alcohol, cologne, detergent or other similar chemicals for cleaning. Do not perform wet cleaning do not contact the product with water when the product is energized.
- In case the surface to which the product is connected is dyed, store the product by removing its cover and the frames.
- Keep the product away from the damp or wet environment during the transportation and shipping.
- It is intended for indoor use only.
- Protect the switch contacts with a series-connected miniature circuit-breaker of characteristic B for a max. rated current of 16A.

Service and Guarantee

- Warranty period starts as of the delivery date of the product and it is 2 years.
- Warranty covers the malfunctions likely to occur due to the manufacturing defects of the product and within the warranty period.
- The product including all of its parts is under warranty as a whole. If the product turns out to be defective, the consumer can use one of the following rights stipulated in Article 11 of Consumer Protection Law no. 6502;
 - Withdrawal from the contract
 - Demanding discount from sales fee
 - Demanding free repair,
 - Demanding the replacement of the sold one with a fungible one free from defects.
- In case the consumer chooses the right of free repair among those rights; the dealer is obliged to repair the product or have the product repaired without claiming any fee under the name of replaced part fee, labor cost or for any other reasons. The consumer can also use the right of free repair against the manufacturer or exporter. The dealer, manufacturer and exporter are jointly and severally liable for the usage of this right by the consumer.
- In case the consumer uses the right of free repair and if the product
 - fails within the warranty period again and
 - the maximum period required for the repair is exceeded and
 Authorized service station, dealer, manufacturer or exporter state that it's not possible to repair the product in a report, the consumer can demand the return of the product fee, fee discount at the ratio of the defect or the replacement with the one free of defects, if possible, from the dealer. The dealer can not reject the demand of the consumer. In case this demand is not met, the dealer, manufacturer and exporter shall jointly and severally be held responsible.
- The repair period of the product can not exceed 20 business days. This period starts on the notification of the failure on the product to the authorized service station or the dealer within the warranty period and from the date of delivery of the product to the authorized service station out of warranty period. In case of not eliminating the product malfunction within 10 business days, manufacturer or importer is obliged to dedicate another product with similar characteristics to the use of the consumer until the completion of the product repair. In case the product fails within the warranty period, elapsed time is added to the warranty period.
- Usage of the product contrary to the rules stipulated in user's manual, operating out of determined voltage, current and environmental conditions, damage on the cable connection due to the user's fault and failure of the product due to the facts arising from the fire, flood, earthquake, lightning and similar disasters are not under warranty.
- The consumer can apply to the arbitration committee for consumers or the consumer court where the consumer operations are made or in the residential area for the disputes to be occurred regarding the usage of the rights arising from the warranty.
- In case the dealer doesn't provide this certificate of warranty, the consumer can apply to the General Directorate of Consumer Protection and Market Surveillance of Ministry of Customs and Trade".

