

ACTUATOR Dimming Actuators

KNX Dimming Actuator - COMING SOON

KNX Dimming Actuator 2 Gang 300W DM102



MAIN FEATURES

- 2 channel and 4 channel versions.
- Dimming range 0-100%.
- For dimming incandescent lamps, low voltage and high voltage halogen lamps, Dimmable CFL and Dimmable LED Driver loads.
- Device and KNX bus module can be swapped independently of each other.
- Removable KNX bus module enables devices to be changed without reprogramming.

KNX Dimming Actuator 4 Gang 250W DM104



- LED channel status indicator for each channel.
- Manual operation on device (even without bus connection).
- Dimming output: 300W per channel for 2 channels version, 250W per channel for 4 channels version.
- Automatic load type detection (can be deactivated).
- For R. L and C load.

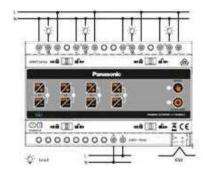
■ TECHNICAL DATA

| KNX Medium | TP1 | |
|--|---|---|
| Mode of commissioning | S-Mode | |
| KNX supply | 21-32 V DC | |
| Mains supply | 230 V AC | |
| Mains frequency | 50 Hz | |
| Installation type | D I N rail | |
| Mounting width | 4 Channels — 144mm (8 modules) 2 Channels — 72mm (4 modules) | |
| Ambient temperature | -5°C+45°C | |
| Storage temperature | -25°C+55°C | |
| Trasportation temperature | - 25°C+70°C | |
| Connection | | |
| KNX | KNX bus terminal | |
| Mains and outputs | Screw terminals | |
| Max. cable cross section | Single wire: 1.5 mm² to 4mm² or | |
| | 2 x 1.5 mm ² to 2x2.5 mm ² Stranded wire without ferrule: 0.754 mm ² | |
| | Stranded wire with ferrule: 0,5mm² to 2,5mm² | |
| Max Loads | | |
| Incandesant & Halogen HV | 300W (200W in inductive mode) | 250W (200W in inductive mode) |
| Halogen LV (Ferromagnetic Trasformer) | 300VA (Capacitive mode not allowed) | 250VA (Capacitive mode not allowed) |
| Halogen LV (Electronic Trasformer) | 300VA (Inductive mode not recommended) | 250VA (Inductive mode not recommended) |
| Dimmable LED (Retrofit) & CFL | 300VA (30VA in inductive mode, auto calibration mode not recommended) | 250VA (30VA in inductive mode, auto calibration mode not recommended) |

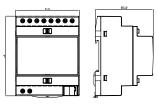
■ PRODUCT CODES

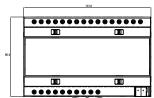
| PRODUCT | PRODUCT CODES |
|---|---------------|
| KNX Dimming Actuator 2 Gang 300W DM102 | WRKT5512E5NC |
| KNX Dimming Actuator 4 Gang 250W DM104 | WRKT5414J5NC |

■ CONNECTION



DIMENSIONS









Panasonic

ACTUATOR Dimming Actuators

KNX Dimming Actuators

KNX Dimming Actuator 2 Gang 300W



MAIN FEATURES

- For switching and dimming of HV incandescent lamps, HV halogen lamps and LV halogen lamps with inductive transformers or Tronic transformers
- Parameterizable switch-on and dimming behaviour
- Soft switch-on and soft switch-off function
- Time functions: switch-on delay, switch-off delay, staircase lighting timer with run-on time
- · Protected against no-load, short-circuit and overheating
- LED status indication for operation
- Can be used as a speed controller of single-phase electric motors
- Logical operations e.g. Disable, AND, enable, OR
- Manual operation (also without bus voltage)

■ TECHNICAL DATA

| | DA 2 | DA 4 |
|-------------------------|----------------------|----------------------|
| Operating voltage KNX | Bus voltage, (<15mA) | Bus voltage, (<15mA) |
| Operating voltage | 110V230V AC, 50/60Hz | 110V230V AC, 50/60Hz |
| Power loss | 4W max. | 8W max. |
| Dimensions | 4 modules | 8 modules |
| Min. switching capacity | 20W | 20W |
| Max. switching capacity | 300W | 250W |
| Ambient temperature | -5°C +45°C | −5°C +45°C |
| Protection rating | IP20 | IP20 |

KNX Dimming Actuator 4 Gang 250W



■ SWITCHING CAPACITY AT 230V AC

| | 2X300W | 4X250W |
|---------------------------------|--------|---------|
| Incandescent lamp load | : 300W | : 250W |
| Halogen lamp load | : 300W | : 250W |
| Inductive transformers | : 300W | : 250VA |
| Tronic transformers | : 300W | : 250W |
| Mixed load resistive-inductive | : 300W | : 250VA |
| Mixed load resistive-capacitive | : 300W | : 250W |

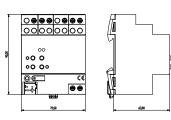
■ SWITCHING CAPACITY AT 110V AC

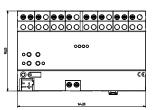
| | 2X300W | 4X250W |
|---------------------------------|--------|---------|
| Incandescent lamp load | : 150W | : 120W |
| Halogen lamp load | : 150W | : 120W |
| Inductive transformers | : 150W | : 120VA |
| Tronic transformers | : 150W | : 120W |
| Mixed load resistive-inductive | : 150W | : 120VA |
| Mixed load resistive-capacitive | : 150W | : 120W |

■ PRODUCT CODES

| PRODUCT | PRODUCT CODES |
|----------------------------------|---------------|
| KNX Dimming Actuator 2 Gang 300W | WRKT5502E5NC |
| KNX Dimming Actuator 4 Gang 250W | WRKT5404J5NC |

DIMENSIONS

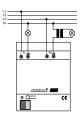




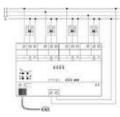


■ CONNECTION

KNX Dimming Actuator 2 Gang 300W



KNX Dimming Actuator 4 Gang 250W



PARALLEL WIRING