

Building Automation Systems KNX Dimming Actuator

WRKT5512E5NC
KNX DIMMING ACTUATOR
2 GANG 300W DM102

WRKT5414J5NC
KNX DIMMING ACTUATOR
4 GANG 250W DM104

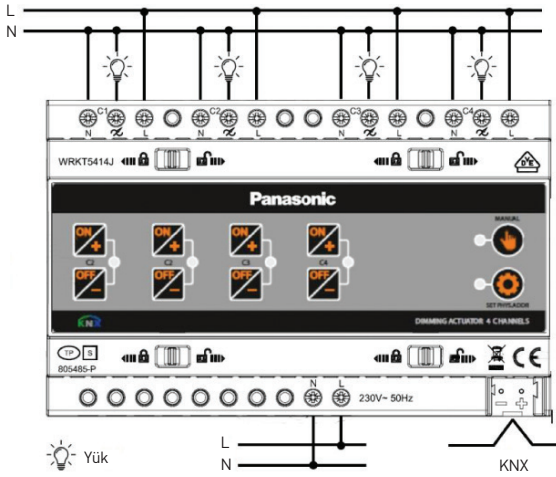


Meet the Panasonic Dimming Actuators with 2 and 4 Channels:

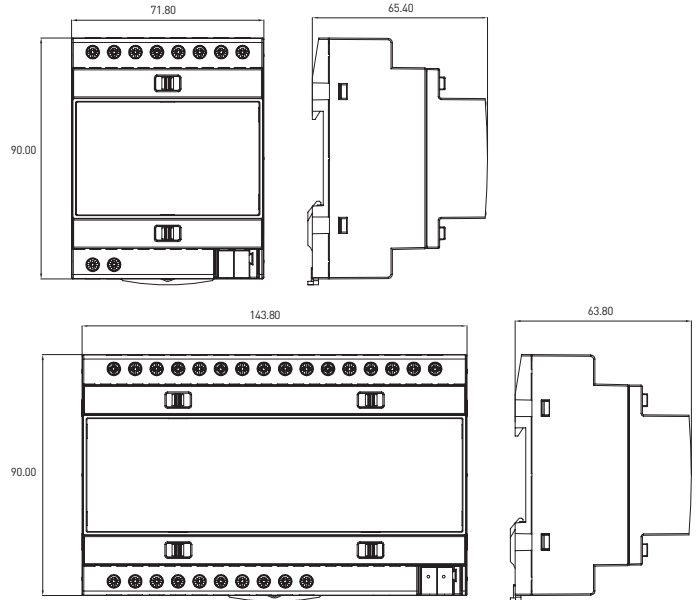
- **Precise Light Control**
Achieve seamless dimming across a 0-100% range for various lighting loads, ensuring optimal ambiance and energy efficiency.
- **Power Capacity**
The 2-channel actuator supports up to 300W per channel, while the 4-channel version supports up to 250W per channel, providing flexibility for different setups.
- **Wide Compatibility**
Compatible with both low and high voltage halogen lamps, dimmable CFLs, and LED lamps, catering to a range of lighting systems.
- **Easy Control**
Each channel is equipped with dedicated buttons for effortless control of dimming levels and on/off functions, ensuring user convenience.
- **LED Status Indicators**
Monitor the status of each channel with built-in LED indicators, providing clear visibility of current settings.
- **Separable KNX Bus Module**
Replace the dimmer without the need for reprogramming, thanks to the easily detachable KNX bus module.
- **Automatic Load Detection**
The device automatically detects the load type (R, L, or C) and adjusts its performance accordingly, delivering reliable, optimized operation for every lighting system.

Panasonic's dimming actuators offer a flexible, high-performance solution for both residential and commercial lighting needs.

Connection



Dimensions



Technical Data

KNX medium	Tp1	
Mode of commissioning	S-Mode	
Knx supply	21-32V DC	
Mains supply	230V AC	
Mains frequency	50Hz	
Installation type	DIN 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	
Transportation tempera	-25°C...+70°C	
CONNECTION		
KNX	KNX Bus Terminal	
Mains and outputs	Screw Terminals	
Max. Cable cross section	Single wire: 1.5 mm ² to 4 mm ² or 2x1,5 mm ² to 2x2.5 mm ² Stranded wire without ferrule: 0.75...4 mm ² Stranded wire with ferrule: 0.5 mm ² to 2.5 mm ²	
MAX LOADS	DM102 (2 CHANNELS)	DM104 (4 CHANNELS)
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 (Retro t) & CFL	300VA (60VA in inductive mode, auto calibration mode not recommended)	250VA (60VA in inductive mode, auto calibration mode not recommende)