Universal **Dimmer**

2 CHANNELS X 300 W

DM02A02KNX is a KNX universal power dimmer 2 channels with automatic identification of load type and with settable parameters to optimize control of different lamps like LED, incandescent and halogen, CFL dimmable lights, low voltage lamps with electronic or ferromagnetic transformer.

The 2 channels can be used independently or combined in pair to drive higher power loads; always respect the maximum power values indicated in the table of this instruction sheet and check in the handbook how to configure the outputs as combined in ETS. To define the maximum load and in particular the maximum number of lamps that can be connected, the DimmerLoadTester software is available; with it is possible to analyze the peak absorption of a single lamp and calculate the maximum number of lamps that can be connected.

Load control is possible in leading and trailing edge.

Technical Features

Mechanical data	• Dimensions: 4 DIN modules		
Supply	• Via bus EIB/KNX cable: 21 ÷ 32 Vdc • Input power supply: 230 Vac 50/60 Hz		
Output rate		Single	Paired
	Incandescent or halogen lamps (230 V~ 50/60 Hz) 300 W 600 W RC LIN	300 W	600 W
	Ferromagnetic transformer (Halogen lamps 12/24 V ~ 50/60 Hz) 200 VA 400 VA L (1) LIN	200 VA	400 VA
	Electronic transformers (Halogen lamps 12/24 V ~ 50/60 Hz)	60 VA	100 VA
	Dimmable LED lamps (230 V~ 50/60 Hz) - L	60 W	100 W
	Dimmable LED lamps (230 V~ 50/60 Hz) - RC	120 W	200 W
	Compact Fluorescent Lamps (ESL/CFL)	60 W	100 W

Order Codes

DM02A02KNX
Universal DIN Dimmer 2 Channels x 300 W

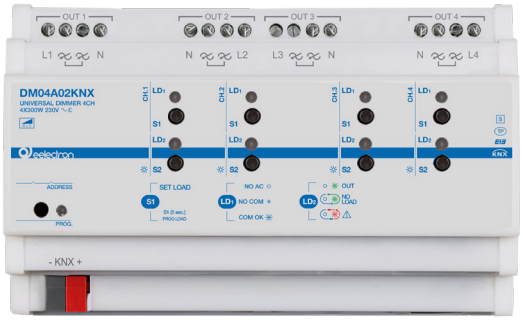
Universal **Dimmer**

4 CHANNELS X 300 W

DM04A02KNX is a KNX universal power dimmer 4-channels with automatic identification of load type and with settable parameters to optimize control of different lamps like LED, incandescent and halogen, CFL dimmable lights, low voltage lamps with electronic or ferromagnetic transformer.

The 4 channels can be used independently or combined in pair (1+2 and 3+4) to drive higher power loads; always respect the maximum power values indicated in the table of this instruction sheet and check in the handbook how to configure the outputs as combined in ETS. To define the maximum load and in particular the maximum number of lamps that can be connected, the DimmerLoadTester software is available; with it is possible to analyze the peak absorption of a single lamp and calculate the maximum number of lamps that can be connected.

Load control is possible in leading and trailing edge.



Technical Features

Mechanical data	• Dimensions: 8 DIN modules		
Supply	• Via bus EIB/KNX cable: 21 ÷ 32 Vdc • Input power supply: 230 Vac 50/60 Hz		
Output rate		Single	Paired
	Incandescent or halogen lamps (230 V~ 50/60 Hz) 300 W 600 W RC LIN	300 W	600 W
	Ferromagnetic transformer (Halogen lamps 12/24 V ~ 50/60 Hz) 200 VA 400 VA L (1) LIN	200 VA	400 VA
	Electronic transformers (Halogen lamps 12/24 V ~ 50/60 Hz)	60 VA	100 VA
	Dimmable LED lamps (230 V~ 50/60 Hz) - L	60 W	100 W
	Dimmable LED lamps (230 V~ 50/60 Hz) - RC	120 W	200 W
	Compact Fluorescent Lamps (ESL/CFL)	60 W	100 W

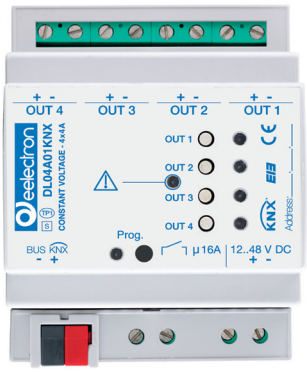
Order Codes

DM04A02KNX
Universal DIN Dimmer 4 Channels x 300 W

Led **Dimmer**

CV LED DIMMER 4 CHANNELS KNX

DL04A01KNX is a dimming actuator for LED in DC with constant voltage (CV). The device allows to drive 4 independent channels or 1 RGB channel and 1 single color channel or 1 channel RGBW. Module can be powered from 12 to 48 Vdc and consequently can manage the outputs (LED strips) with voltage from 12 to 48 Vdc. The device includes a 16 A relay, suitable for switching capacitive loads, that allows a complete shutdown of the external power supply when all loads are switched off (for example at night) ensuring the maximization of the energy saving.
Available functions include block, logic, scenes, color sequences, etc.
Device is equipped with KNX communication interface.



Technical Features

Mechanical data	• Dimensions: 4 DIN modules
Supply	• From KNX bus 21 ÷ 32 Vdc SELV • AUX input to supply LED's : 12 ÷ 48 Vdc ± 10% • Current Consumption ≤16 A
Output rate	• Max output for each channel: 4 A • PWM frequency: 200 / 260 / 400 Hz
Hardware protection	• Over current • Over temperature • Reverse Polarity

Order Codes

DL04A01KNX
Led Dimmer CH 4 Channels KNX

Dimmer

4 CHANNELS X 1-10 V

DM04D01KNX is a KNX 4 channel dimmer with switching and brightness setting for lamps with operating devices with 1-10 V interface.

- Manual switching of the relays is independent of the Bus
- Switching of capacitive loads and the resulting high switchon currents
- Flexible assignment of control inputs to switching outputs, e.g. to control RGBW lamps
- Operation of the switching outputs as a switching actuator
- Connection of various external conductors
- No additional power supply necessary
- Feedback of switching state and brightness value
- Switch position display
- Burnin function for fluorescent lamps
- Switchon and dimming behaviour can be set
- Time functions: switchon delay, switchoff, delay, staircase lighting timer with run-on time
- Integration into light scenes
- Operating hours counter

Technical Features

Mechanical data	• Dimensions: 4 DIN modules
Supply	• Via bus EIB/KNX cable: 21 ÷ 32 Vdc
Output rate	• Fluorescent lamps 16 AX • Minimum switching current 100 mA • Switch on current 150 µs 600 A • Switch on current 600 µs 300 A • Ohmic load 3680 W • Capacitive load 16 A / 200 µF • Incandescent lamps 3680 W • HV halogen lamps 3680 W • LV halogen lamps with inductive transformer 2000 VA • LV halogen lamps with Tronic transformer 2500 W • Fluorescent lamps T5/T8 uncompensated 3680 W • Parallel compensated 2500 W / 200 µF • Twinlamp circuit 3680 W / 200 µF • Compact fluorescent lamps uncompensated 3680 W • Parallel compensated 2500 W / 200 µF • Mercury vapour lamps uncompensated 3680 W • Parallel compensated 3680 W / 200 µF

Order Codes

DM04D01KNX
4 Channels x 1-10 V