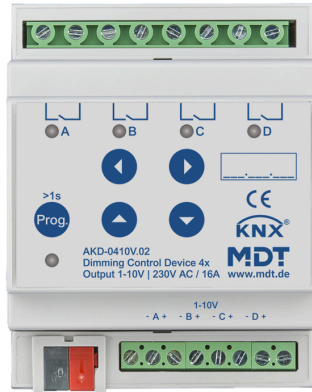


AKD-0410V.02

KNX Dimming Actuator 4-channel, 4 SU MDRC, 1 - 10 V, RGBW



Product description:

The MDT Dimming Actuator with 4 channels for controlling 1-10 V ECGs. The actuator dims 4 lighting circuits with up to 30 ECGs each. If RGB(W) lamps are used, they can be conveniently controlled via the HSV objects and, for example, dimmed and colour adjusted with the MDT Glass Push Button II Smart.

Product functions:

- Push-button for manual operation and LED Indicator per channel
- To control 1-10 V ECG
- **With RGBW functionality**
- **RGB and HSV control with extensive colour functions**
- Control voltage for max. 30 ECG per channel
- Reverse polarity protection
- With built in switch relays for 30 ECG / 30 W, 20 ECG / 58 W, 15 ECG / 2 x 36 W, 10 ECG / 2 x 58 W
- Switch on behaviour selectable
- Minimum and maximum dimming value adjustable
- Dimming speed selectable
- Central functions
- 8 scenes per channel
- 1 Bit Automatic function

Technical data:

Device	Device type	AKD Dimming Actuator
	Article Number	AKD-0410V.02
	EAN / GTIN	4251916130060
	Installation width	4 SU / 72 mm
	Dimensions (H x W x D)	90 x 72 x 65 mm
	Weight, gross (incl. packaging)	0.219 kg
	Protection classification	IP20
	Installation type	MDRC, DIN rail 35 mm
	Installation position	any
	Weight, net	0.191 kg
Performance data	Nominal voltage U_n	1 ... 10 V
	Auxiliary relay	230 V AC / 50 Hz / 140 μ F / 16 A
	Relay type	bistable
	Mech. switching frequency	1.000.000
	Power dissipation of the device, typical	≤ 4 W
Outputs	Number of outputs	4
	Number of control outputs 1-10 V (passive)	4
Lamp data	Max. number of ECG	30
KNX	Nominal voltage KNX	30 V DC SELV
	Voltage range KNX	21 ... 31 V DC SELV
	Typical power consumption KNX bus	< 0,3 W
	KNX Medium	TP-256 with long frame support
	KNX Application	as of ETS 3
Environmental conditions	Ambient operating temperature	0 ... 45 °C
	Storage	-20 ... +55 °C
	Humidity	< 95 %
	Condensation permissible	No
Connections	Connection type	Screw terminal with slotted head
	Conductor cross section 1 x	0,5 ... 2,5 mm ²
	Screw terminal tightening torque	0.5 Nm
	KNX connection type	KNX terminal
	KNX cable cross section	0.6 ... 0.8 mm, solid conductor

Wiring diagram:

