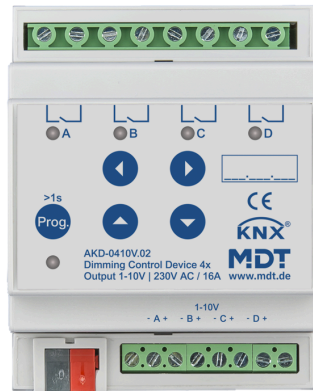


AKD-0410V.02

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
- 3 year warranty

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 |
| 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:

