

**MDT Dimming Control Device 4-fold, MDRC**

Version		
AKD-0410V.02	Dimming Control Device 4-fold	4TE MDRC, 1-10V, With RGBW functionality

The MDT Dimming Control Device has 4 independent channels for the connection of electronic ballasts with 1-10V interface. Each channel has its own relay with a maximum power of 16A / 140µF for switching 30 ECG / 30W, 20 ECG / 58W, 15 ECG / 2x36W or 10 ECG / 2x58W. Each output can be operated manually via a push button. It is not required to program the actuator for commissioning the connected ECGs, only the bus voltage must be present.

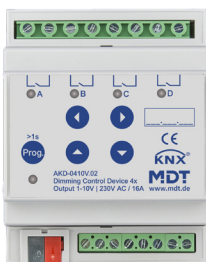
Each 1-10V interface can control a maximum of 30 ECGs and has integrated reverse polarity protection.

The actuator controls normal standard and RGBW lights. For color control, the color spaces RGB and HSV are available. The dimming speed is adjustable and sequences and scenes can be parameterised.

The actuator is a modular installation device for fixed installation in dry rooms. It fits on DIN 35mm rails in power distribution boards or closed compact boxes.

For project design and commissioning of the MDT Dimming Actuator it is recommended to use the ETS. Please download the application software at [www.mdt.de/Downloads.html](http://www.mdt.de/Downloads.html)

AKD-0410V.02



- Production in Germany, certified according to ISO 9001
- Push Button for manual operation and indicator for each channel
- To control 1-10V electronic transformers (ECG)
- **With RGBW functionality**
- **RGB and HSV control with extensive colour functions**
- Offers control voltage up to 30 ECG (each channel)
- Voltage reversal protection
- Embedded switching relays for 30 ECG/30W, 20 ECG/58W, 15 ECG/2x36W, 10 ECG/2x58W
- Adjustable switch-on behaviour
- Minimum/maximum brightness value adjustable
- Adjustable dimming speed
- Central switching functions
- 8 scenes per channel
- 1Bit automatic function
- 3 years warranty

Technical Data	AKD-0410V.02		
Number of outputs	4		
Switching voltage outputs	230VAC/50Hz		
Max. fuse per channel	16A		
Switching voltage control outputs	1-10V		
Maximum number of ECG	30		
Maximum current switching relays	16A/140uF		
Specification KNX interface	TP-256		
Available application software	ETS 3/4/5		
Permitted wire gauge			
Screw terminal	0,5 - 4,0mm <sup>2</sup> solid core 0,5 - 2,5mm <sup>2</sup> finely stranded		
KNX busconnection terminal	0,8mm Ø, solid core		
Power supply	KNX bus		
Power consumption***	< 0,3W		
Operation temperature range	0 to + 45°C		
Enclosure	IP 20		
Dimensions MDRC (Space Units)	4SU		

Exemplary circuit diagram AKD-0410V.02

