

MDT RGB LED Controller

Version		
AKD-0324V.01	RGB LED Controller	For 12/24V RGB LED Stripes
AKD-0424V.01	RGBW LED Controller	For 12/24V RGBW LED Stripes
AKD-0224V.01	LED Controller	For white LED Stripes

The MDT RGB LED Controller receives KNX/EIB telegrams and controls 12/24V RGB LED stripes.

These functions are available:

- Absolute and relative dimming (HSV and RGB)
- Scene function
- Random function
- Dimming speed and hold time programmable
- Predefined sequences (e.g. sunrise)
- Repeating of sequences
- Defining of colors
- Overcurrent supervision
- Overtemperature supervision
- Suitable for 12/24V LED Stripes, 3A for each color channel (Common Anode)
- Relay output to control external LED power supply
maximum switching current 16A, capacitive load max. 140µF
- Commissioning with ETS4/5

The MDT RGB LED Controller is an installation device for installation in dry rooms.

For project design and commissioning of the MDT RGB Controller it is recommended to use the ETS4/ETS5 or later. Please download the application software at www.mdt.de/Downloads.html

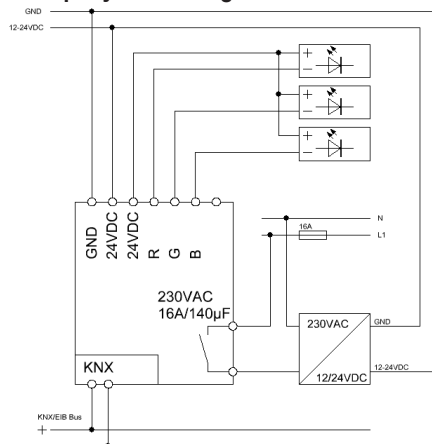
AKD-0324V.01



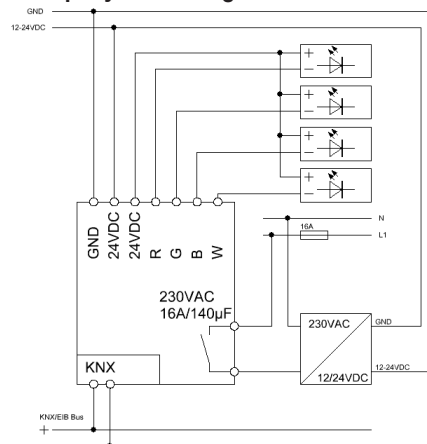
- Production in Germany, certified according to ISO 9001
- Absolute and relative dimming (HSV and RGB)
- Scene function
- Random function
- Dimming speed and hold time programmable
- Predefined sequences (e.g. sunrise)
- Repeating of sequences
- Defining of colors
- Overcurrent supervision
- Overtemperature supervision
- Suitable for 12/24V LED Stripes, 3A for each color channel (Common Anode)
- Relay output to control external LED power supply
maximum switching current 16A, capacitive load max. 140µF
- Commissioning with ETS4/5
- Dimensions (W x H x D): 46mm x 25mm x 113mm
- Integrated bus coupling unit
- 3 years warranty

Technical Data	AKD-0324V.01	AKD-0424V.01	AKD-0224V.01
Number of outputs	3	4	2
Switching voltage outputs	230VAC/50Hz	230VAC/50Hz	230VAC/50Hz
Max. fuse per channel	10A	10A	10A
Maximum current switching relais	16A/140µF	16A/140µF	16A/140µF
LED power supply	12/24VDC	12/24VDC	12/24VDC
Max. current for each color channel	3A	3A	3A
Permitted wire gauge			
Screw terminal	0,5 - 4,0mm ² solid core 0,5 - 2,5mm ² finely stranded	0,5 - 4,0mm ² solid core 0,5 - 2,5mm ² finely stranded	0,5 - 4,0mm ² solid core 0,5 - 2,5mm ² finely stranded
KNX busconnection terminal	0,8mm Ø, solid core	0,8mm Ø, solid core	0,8mm Ø, solid core
Power supply	KNX bus	KNX bus	KNX bus
Power consumption KNX bus typ.	< 0,3W	< 0,3W	< 0,3W
Operation temperature range	0 to + 45°C	0 to + 45°C	0 to + 45°C
Enclosure	IP 20	IP 20	IP 20
Dimensions (W x H x D)	46mm x 25mm x 113mm	46mm x 25mm x 113mm	46mm x 25mm x 113mm

Exemplary circuit diagram AKD-0324V.01



Exemplary circuit diagram AKD-0424V.01



Exemplary circuit diagram AKD-0224V.01

