

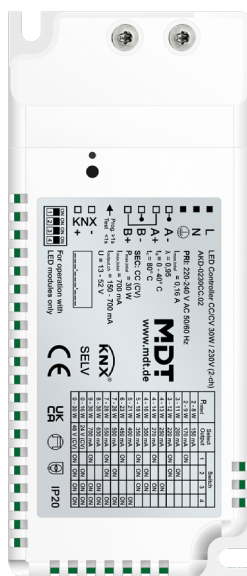
### LED Controller CC/CV 30 W / 230 V, 2-Channel

Version	
AKD-0230CC.02	LED Controller CC/CV 30 W / 230 V, 2-Channel

The MDT LED Controller CC/CV 30 W is a compact LED controller with integrated power supply for constant current (CC) and constant voltage (CV). Two channels for connecting LED spots with a total output of 30 W. The operating modes “2 x white” or “1 x tunable white” are possible. Extensive KNX application with dynamic daylight control (HCL), time-dependent dimming and overcurrent/temperature monitoring.

The MDT LED Controller CC/CV is commissioned and configured using the Engineering Tool Software (ETS). The product database is available at [www.mdt.de/downloads.html](http://www.mdt.de/downloads.html) and in the ETS online catalogue.

AKD-0230CC.02



- Optimised Hybrid dimming for improved light quality
- Dimming range 0.2 % ... 100 %
- Perfect dim behaviour over the entire dimming range
- Maximum output power: 30 W over both channels
- Output max. current 700 mA
- Constant current selectable via DIP switch
- Constant voltage operation with 24 V or 48 V
- Tunable White colour temperature control
- Selectable dimming curve, individual sequences
- Operation modes: 2 x white or 1 x Tunable White
- Automatic colour temperature control Dim2Warm
- Dynamic daylight control HCL (Human Centric Lighting)
- Automatic time dependent dimming
- Over current- and Temperature monitoring
- Integrated compact power supply
- Secondary connection cable length up to 6 m
- Dimensions (H x W x D): 54 x 129 x 25 mm
- 3 year warranty

Technical Data	AKD-0230CC.02
Number of Outputs	2
Supply voltage	230 V AC, 50 Hz
Power consumption in standby (230 V)	≤ 0.3 W
Dimming mode	Hybrid dimming
Constant current range	14 Settings, 150 ... 700 mA (DIP switch) *1
Output voltage range	13 ... 52 V DC *2
Minimum current	0.7 mA
Output power (Channel A + B)	30 W
Constant voltage	24 V / 48 V (DIP switch)
Max. conductor cross section	
KNX terminal	Ø 0.8 mm, solid core
Input/Output terminal (230 V / LED)	0.5 ... 1.5 mm <sup>2</sup>
Cable length LED outputs	max. 6 m two-wire cable per channel *3
Power consumption KNX bus typ.	< 0.1 W
Specification KNX interface	TP-256 with Long Frame Support
KNX Application	as of ETS 5
Ambient temperature range	0 ... 40 °C *4
Protection classification	IP20
Dimensions (W/H/D)	129 x 54 x 25 mm

\*1 The total current of channel A+B is limited to 700 mA. If the maximum permitted total current is exceeded, the outputs are automatically balanced based on the set brightnesses of channel A and B.

\*2 The LEDs used must be compatible across the entire voltage range.

\*3 The use of single wires is not permitted! Any type of switch in the LED connection cable is forbidden.

\*4 Avoid condensation.

**Wiring diagram: AKD-0230CC.02**

Option A, constant current, LEDs in series connection

Option B, constant voltage, LEDs in parallel connection

