Bisly

DATASHEET

UM6D 6-CHANNEL PHASE-CUT DIMMER

Part No: 1302011

The UM6D 6-Channel Dimmer is designed for modern lighting applications. It employs phase-cut dimming (leading/trailing edge) technology and provides six independent channels, each supporting up to 240 W of connected lighting load.

T. The UM6D communicates with the UM8 Controller via the RS-485 Modbus RTU interface and can also be controlled directly through 6 digital input signals (impulse switches). The dimmer is suitable for both active and capacitive loads. Ideal for: Lighting automation and shading control

Electrical Data	
Supply Voltage	24VDC±25%, reverse polarity protected
Power Consumption	max. 3W @24V, internal overcurrent protection at ca 1.2 A
Communication interface	RS-485 (Bisly proprietary protocol) Interfaces with Bisly UM8 Pro Controller
230VAC phase-cut dimmer	Properties: • 6 fully independent channels • max 240W per channel • short circuit protected • Inrush current limit: 6 A (< 100 ms) • overtemperature protected Software selectable trailing or leading-edge control
Inputs	6 x Digital Inputs (+24VDC tolerant, internal 2kOhm pullup to +5VDC, active low level ≤ 2V) • IN1 – IN6 • Designed for impulse switches
Ambient operating conditions	+5 to +40°C max. 80% RH (non condensing)
Security	• Fully encrypted RS485 communication data • Unique AES128 encryption keys for each device
Firmware update	Over-The-Air Update capability

Product Characteristics	
Mounting type	DIN rail according to EN 60715, 35mm
Colour, finish	Black, Matte
Flammability of casing	Fire retardant according to UL94 v0

Weight & Dimensions	
Total weight	280g
Product dimensions	161 x 90 x 58 mm

Certifications & Standards	
Environmental protection class	IP30
Markings	CE, RoHS, WEEE
Directive compliance	LVD, EMC, RoHS, WEEE

Devices must be installed and used in accordance with local regulations and Bisly installation guidelines. Incorrect installation may void warranty and cause malfunction.

Technical specifications are subject to change without prior notice as part of Bisly's continuous product development.