

UM8 PRO CONTROLLER

Part No: 1100052

The UM8 Pro Controller is a DIN rail-mounted, modular building automation controller for smart homes, offices, and commercial spaces.

It manages lighting, HVAC, temperature readings and access control, with quick setup via QR code and the Bisly Installer App.



It features eight power relay outputs along with configurable control inputs/outputs, providing flexible integration options. The UM8 Pro is purpose-built for seamless operation within the Bisly Building Automation infrastructure.

Ideal for: HVAC, lighting, blind/shade control and access control.

Device Specifications	
Supply Voltage	24VDC±25%, reverse polarity protected
Power Consumption	max. 3W @24V, internal overcurrent protection at ca 1.2 A
Power Outputs	+5V OUT (max 100mA)
Relay Outputs	4 x SPST (NO) relay, 250VAC 16A active load Ports: CH1, CH2, CH7, CH8 4 x SPDT (NO/NC) relay, 250VAC 16A active load Ports: CH3, CH4, CH5, CH6
Open Collector Outputs	4 x Open collector output, max 24VDC 300mA continuous
PWM Outputs	4 x PWM output, 100 Hz default frequency, 0-12V operation range Ports: PWM 1-4
Digital / Analog Inputs	8 x Digital Inputs (+24VDC tolerant, internal 2kOhm pullup to +5VDC, active low level ≤ 2V) IN1 – IN8 4 x Analog Inputs 0-15V measurement range, 4 mV resolution (12 bits) Ports: PWM 1-4

Device Specifications

Interfaces	• 10/100Mbps Ethernet interface • 3 x RS-485 interface (no internal termination) • 1-Wire Bus (Master device) Supports up to 20 x 1-Wire sensors (ex. temperature)
Security	• Bisly proprietary encrypted RS-485 communication • Unique AES-128 encryption keys for each device
Firmware update	Over-The-Air Update capability
Ambient operating temperature	+5 ... 40°C
Humidity	max. 80% r.H. (non condensing)

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

Weight	338g
Product dimensions	136x120x63mm

Certifications & Standards

Environmental protection class	IP20
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.