

UDB DALI BRIDGE – DALI LIGHTING APPLICATION CONTROLLER

Part No: 1303001

The Bisly UDB DALI Bridge is a compact interface module that enables seamless integration of DALI devices – including DALI power supplies and input devices – into the Bisly building automation platform. It allows centralized control and monitoring of DALI lighting, simplifying installation, commissioning, and ongoing management. Designed for easy connection via the Bisly RS-485 interface, the UDB DALI Bridge ensures reliable and secure lighting automation within the building.



Electrical Data

Supply voltage	DALI Power input: 230 VAC Control input: 24 VDC
Power consumption	DALI Power input: Nominal – 2 VA Maximum – 4 VA Control input: Nominal – 0.3 W Maximum – 0.4 W
DALI bus	DALI bus supplied current: 130 mA Protocol: DALI-1, DALI-2
Security	Fully encrypted RS485 communication data Unique AES128 encryption keys for each device Remotely upgradable software
Communication interface	RS-485 (Bisly proprietary protocol) Interfaces with Bisly UM8 Pro Controller
Ambient operating temperature	+5 ... 50°C
Humidity	max. 80% r.H. (non condensing)

Product Characteristics	
Mounting type	DIN rail according to EN 60715, 35mm
Installation	QR-Code for easy installation
DIN width	2 Module width
Colour, finish	Black, matte
Flammability of casing	Fire retardant according to UL94 V0
Total weight	80 g
Product dimensions	36 x 110 x 60 mm

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.