

# UDB DALI BRIDGE DALI LIGHTING 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	
<b>Supply voltage</b>	<ul style="list-style-type: none"> <li>• DALI Power input: 230 VAC</li> <li>• Control input: 24 VDC</li> </ul>
<b>Power consumption</b>	DALI Power input: <ul style="list-style-type: none"> <li>• Nominal – 2 VA</li> <li>• Maximum – 4 VA</li> </ul> Control input: <ul style="list-style-type: none"> <li>• Nominal – 0.3 W</li> <li>• Maximum – 0.4 W</li> </ul>
<b>DALI bus</b>	<ul style="list-style-type: none"> <li>• DALI bus supplied current: 130 mA</li> <li>• Protocol: DALI-1, DALI-2</li> </ul>
<b>Security</b>	<ul style="list-style-type: none"> <li>• Fully encrypted RS-485 communication data</li> <li>• Unique AES128 encryption keys for each device</li> <li>• Remotely upgradable software</li> </ul>
<b>Communication interface</b>	RS-485 (Bisly proprietary protocol) Interfaces with Bisly UM8 Pro Controller
<b>Ambient operating temperature</b>	+5 ... 50 °C
<b>Humidity</b>	max. 80% r.H. (non condensing)

## Product Characteristics

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

## Certifications & Standards

<b>Environmental protection class</b>	IP20
<b>Markings</b>	CE, RoHS, WEEE
<b>Directive compliance</b>	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.