

Switch-Dim to DALI Control Dimming Interface

HDD8200
DALI

HYTRONIK®

     RED IP20

Product Description







Ideal for mounting into a standard lighting backbox, this dimmer interface provides smooth dimming via the popular Switch-DIM logic to light fixtures using DALI control technology.

- Office / Commercial Lighting
- Home office / Domestic use

Use for retrofit upgrades & new installations.



Hardware Features

-  100mA DALI broadcast output for up to 50 LED drivers
-  2 Push inputs for flexible manual control
-  Permanent Memory
-  Short-circuit protection
-  Overload protection
-  5-year warranty

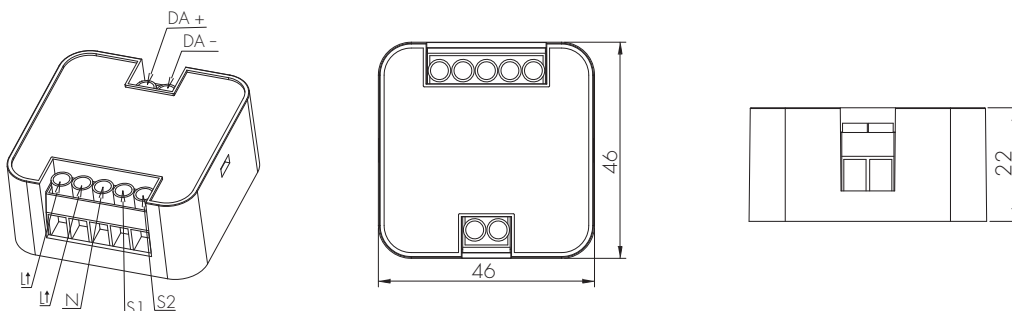
Technical Specifications

Environment	
Operation temperature	Ta: -20°C ~ +45°C
Case temperature (Max.)	Tc: +75°C
Storage temperature	-40°C ~ 70°C
Relative humidity	20 ~ 90%
IP rating	IP20
Insulation	Class II

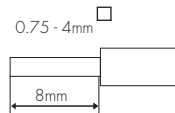
Input & Output Characteristics	
Operating voltage	220~240VAC 50/60Hz
Stand-by power	<0.5W
Load ratings	100mA, 16VDC (max. 50 devices)

Safety & EMC	
EMC standard (EMC)	EN55015, EN61547 EN62479, EN61000
Safety standard (LVD)	IEC/EN 61058, AS/NZS 61058
Radio Equipment (RED)	EN300 328, EN301489-1/-17, EN62479
Certification	Semko, CB, CE, EMC, RED, RCM

Mechanical Structure & Dimensions



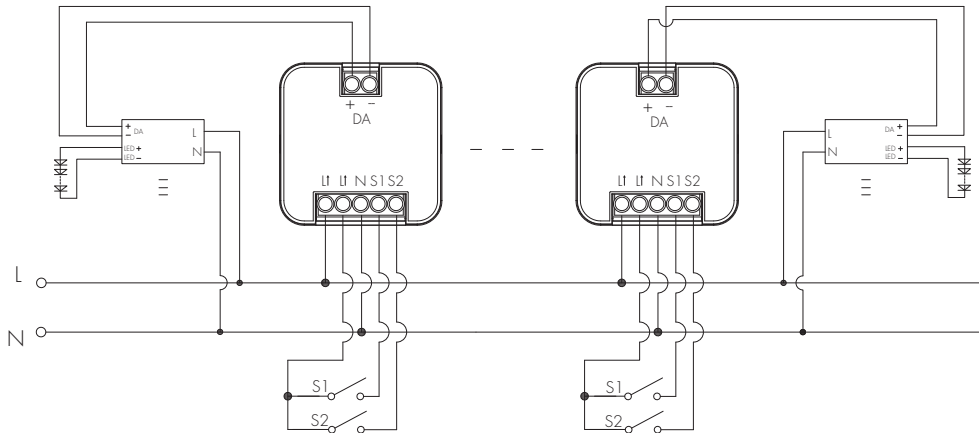
Wire Preparation



To make or release the wire from the terminal, use a screwdriver to push down the button.

1. 200 metres (total) max. for 1 mm² CSA (Ta = 50 °C)
2. 300 metres (total) max. for 1.5 mm² CSA (Ta = 50 °C)

Wiring Diagram



Dimming Interface Operation Notes

Switch-Dim

The provided Switch-Dim interface allows for a simple dimming method using commercially available non-latching (momentary) wall switches.

1. Short press (<1 second) Push 1/ Push 2 to achieve Turn on/off function. Long press (≥1 second) Push 1 to achieve Dimming function, long press (≥1 second) Push 2 to achieve Colour tuning function.

2. When the light is off, long press Push for 1.5 second, load indicator will flash twice slowly, then enter Push programming mode. If there is no operation in this mode, it will exit automatically after 1 min, or short press Push to exit the programming mode.

3. In Push programming mode, Long press Push first to adjust the current brightness to the desired brightness, then press it twice quickly, the load will flash slowly twice, save the current brightness as the Min Level of the dimmer, then automatically exit Push programming mode.

4. In the Push programming mode, long press Push first to adjust the current brightness to the brightness you want, and then press it quickly for 3 times, and the load will flash slowly for 3 times. Save the current brightness as the brightness when the power is off and the power is on again, and then automatically exit the Push programming mode.

5. In the Push programming mode, press the button for 4 times, and the load will flash slowly for 4 times. Then change the power-on state to the default value (the conventional power-off memory function, which is also the factory default value), and then automatically exit the Push programming mode.

6. In the Push programming mode, the dimming range can be temporarily adjusted to OFF state, so that users can conveniently set the power-on brightness to Off. If you press it twice by mistake while setting it to OFF, it will not set OFF to MIN LEVEL, but physical MIN LEVEL will be used.

7. In the Push programming mode, press it for 6 times or more, and the load will flash for 2 times to reset and restore the factory Settings.

8. Push 1, Push 2 can be set in programming mode.

Additional Information / Documents

1. Data sheet is subject to change without notice. Please always refer to the most recent release on www.hytronik.com/products/Accessories

2. Regarding Hytronik standard guarantee policy, please refer to [www.hytronik.com/download ->knowledge ->Hytronik Standard Guarantee Policy](http://www.hytronik.com/download->knowledge->Hytronik%20Standard%20Guarantee%20Policy)