



## LUXLINK<sup>®</sup> DALI Mini Input Unit

### Part Number – Link/DaliMIU

The Luxlink DALI Mini Input Unit is a compact device that connects and interfaces up to 4-standard rocker, push-to-make switches or volt-free contacts from a device such as a time clock to a Luxlink DALI Lighting Management System. The input unit offers the full Luxlink DALI functionality options to include On, Off, "Go To Scene", "Touch" control for push-to-make switching & dimming and much more

This device is suitable for the control of DALI HF ballasts and Load Interface Units designed to the DALI open standard protocol as part of a Luxlink DALI Lighting Management System. The device is suitable for mounting in a standard size wall box to include architrave switch types

#### Product Features and Connectivity:

- Small, compact design
- Fits all standard wall boxes
- Interfaces up to 4- volt-free contacts
- Suitable for use with latching or ptm switches
- Suitable for use with all leading brand switches/finishes
- Low cost
- Ease of installation
- Programmable using Luxlink DALI Software



#### Installation Notes:

- All switches and cabling must be rated at 230V
- To avoid interference problems do not increase switch and common lead lengths

#### Application:

This device is ideal for use as part of a Luxlink DALI Lighting Management System in projects where switch, dim and scene recall control of lighting is required via third party switch plates. Because the device is network based and programmable, switches can be added at fit-out to a Luxlink DALI Lighting Management System for compliance with Part L of the building regulations. This low cost device can be installed and plugged at any modular luminaire

Each switch contact can be programmed via the Luxlink software to switch a designated group of luminaires incorporating DALI ballasts or luminaires connected to DALI Load Interface Units. It is possible when incorporating a DALI/LonWorks Interface to switch any combination of luminaires on a floor, or the whole building as an entirety. All Luxlink DALI field control devices are available with cable and modular wiring plug system assembly for network connection at the nearest Luxonic Luminaire when a Luxlink DALI modular wiring system is being installed

#### Family Products (Network based):

Link/DaliCM/1/S	Luxlink DALI Connectivity Module Single Feed Slave
Link/DaliCM/2/S	Luxlink DALI Connectivity Module Dual Feed Slave
Link/DaliMS	Luxlink DALI Multi-Sensor
Link/DaliSS	Luxlink DALI Switching-Sensor
Link/DaliIRC	Luxlink DALI IR Controller
Link/DaliSP	Luxlink DALI Scene Panel, 4-Scene

Data subject to change without notice, E & OE, Revision F – 08/06/2016



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#### Technical Data

##### Voltage-free Switched Inputs

Connections: 1-4 Inputs (active low)  
COM Input Ground

Voltage Pins 1-4: 5V nominal with switch open, must be less than 0.3V switch closed

Overload Protection: ±7V

Short-circuit Current: 0.5mA maximum

Debounce Period: 50mS

##### Connections

DALI: Ribbon cable terminated with 1.2mm<sup>2</sup> Ferrules

Switch: Ribbon cable terminated with 1.2mm<sup>2</sup> Ferrules

Note: To avoid interference problems the four pre-wired switch connections and the common lead should not be increased in length

##### Power

DALI Supply: From DALI Power Supply Unit elsewhere in the system

DALI Consumption: 10mA

##### Operating Conditions

Ambient Temp: 0...40°C

Relative Humidity: 90% Max. non-condensing

Storage Temp: -10...+70 °C

##### Mechanical Data

Housing: Encapsulated printed circuit board

Weight: 10g

##### Conformity & Standards

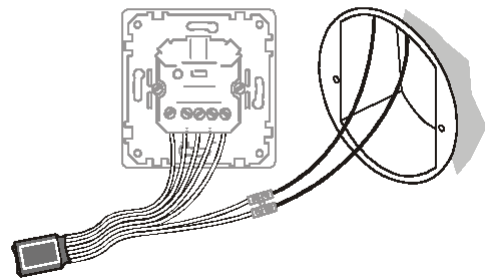
EMC: Emission EN55015, Immunity EN61547

Safety: EN60950

IP Rating: IP20

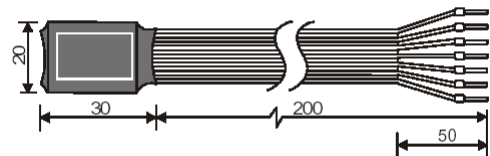
Isolation: 1.5kV

#### Connection Details

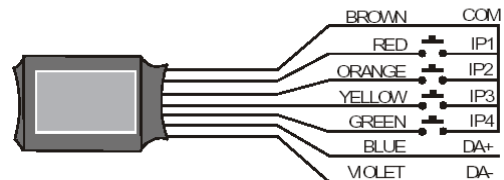


This illustration shows 4-mains rated switches connecting to a mini Input Unit in a single back box

#### Dimensions



#### Connections



#### Default Functions

Brown	Common
Red	Store/Recall Scene 1
Orange	Store/Recall Scene 2
Yellow	Store/Recall Scene 3
Green	"Touch" Control
Blue	DALI +ve
Violet	DALI -ve