

UBi V2 Test and Power

User Manual

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Description

The UBi Test and Power is a patented Australian invention and is a DALI connect/disconnect, test and distribution device. The Ubi provides distribution of DALI via 5 parallel DALI connections which may be individually connected and disconnected as required, for example during commissioning.

The UBi also provides a visual warning of unsafe voltages e.g. 240VAC mains voltage.

The 4mm banana sockets provide a quick, easy, and safer means of connecting to a DALI line.

A test button on the keypad provides an easy Min/Max DALI output that is used to test DALI communication.

Please note that the UBi Test Functionality is disabled by default and will return to disabled on power cycle. To enable, long press the test button for 4 seconds. Please see functionality below.

Functionality

The UBi has a test button on the front which allows for a 10-minute Min/Max test. The device will send out DALI Broadcast RECALL MAX and RECALL MIN until the timer has expired, or the button has been pressed a second time. A mimic LED on the device will also flash at the same rate.

The test functionality can be enabled by holding in the test button for 4 seconds. To exit this mode, hold the test button in for another 4 seconds, or power cycle the device.

Pressing the test button during disable mode will quickly double flash the LED but will not send out DALI.

Default operation is test functionality disabled.

Physical

The case is made from UL94V0 flammability rated material and suits standard DIN rail mounting. The UBi is 37mm (w) x 110mm (h) x 63mm (d).

DALI Line Power Supply

The UBi comes in two versions: Powered, and non-Powered. The UBi Power provides DALI power of 20.5V and 245mA. Both versions require 24Vdc in.

Warnings

- DO NOT connect onto any DALI line when the overvoltage indicator is lit.
- DO NOT rely on the indicator – always check voltage on the line by use of suitable test tool, such as Fluke meter and Control Freak ADDICT, with mains-rated leads and connectors, such as the Control Freak 600VAC Universal Lead set, via the 4mm banana sockets provided on the front of the UBi.
- ALWAYS treat DALI as having mains voltage potential. Even though DALI operates on SELV DC, it can accidentally have mains voltages present.

Compliance

The UBi is safety certified and immune to mains voltages.

The UBi complies with
AS/NZS 61347.2.1
EN 55015 + A1
EN61547+A1.

EMC: C Tick and CE.

Wiring

It is recommended for convenience that you terminate DALI cabling from the DALI controller into one of the 2-way DALI terminals and separately terminate the DALI cabling out to the DALI devices using one or more of the remaining 2-way terminals.

Each 2-way DA terminal has a positive and a negative and these are in parallel with the other 2-way terminals.

Note that DALI does have polarity, however, is not polarity-sensitive.

CAD



Creative Lighting can provide CAD blocks and drawings for the UBi and our other products on request.

Warranty

Refer to the Creative Lighting Warranty Statement

Other Products

Creative Lighting is now celebrating its 32nd year with products that are used and installed around the world including:

[SLAMMO](#) led dimmers for DALI DMX512 DSI and RDM

[DIDIO](#) Scene & Group Controllers, Sequencers, Interfaces: DMX-DALI, SCI-DALI, SCI-DMX

[LIDA](#) DALI AC controllers for Contactors/relays, Fans and HID loads

[ADDICT](#) tools for DALI, DMX and RDM with optional wireless for up to 900m indoors or 22km outdoors

[UBi & UBi Power](#) DALI Test, Power & Distribution devices

[DALI to 0:10V](#) translators

[DMX512 Splitter](#) Repeaters Standard DIN mount, 1 in 4 out

[Universal Lead sets](#) 600VAC + rated, suits standard multi-meters, ADDICT and UBi products