

TECHNICAL INFORMATION


ELECTRICAL

Supply Voltage	220-240V 50hz
In	AS/NSZ 3112 Three pin plug
Out	AS/NSZ 3112 Three pin socket
Standby Power	-0.4W (Depending on connected DALI devices)
Maximum Throughput	2.5A

DALI OUTPUT

Output Voltage	12-14VDC
Guaranteed Current	26mA
DA+ Cable Colour	Orange
DA- Cable Colour	Grey

INTERFACES

 Syncromesh Wireless	2.4 GHz ISM Band Multi-hop
Bluetooth Low Energy	Version 5.0 through 4.0
DALI	DALI & DALI-2 Type 0,4,5, 6,7,8
Sensors	Clipsal & DALI-2 Certified
Switches	Clipsal & DALI-2 Certified

See third party compatibility list for approved and tested DALI input devices.

PHYSICAL

W x H x D	122 x 52 x 32 mm
Casing	Polycarbonate
Aerial	Internal
Product Model	WDI 2A SKU 010270301

ENVIRONMENT

Operating Temperature	0 - 60°C
Operating Humidity Range	95% RH non condensing
IP Rating	IP20 Indoor Use Only
Mounting	Surface Mount 3.5mm holes

COMPLIANCE

Regulation RCM	
AS_NZS 60669.2.1_2013	

Due to continuous improvements and innovations, specifications may change without notice.

WARRANTY

For warranty information, terms and conditions related to this product please view the full document on our website www.cognian.com/warranty

SUPPORT

For product support please contact our support line on

T 1300 459 525 Option 2, or

E support@cognian.com

INSTALLATION INFORMATION



syncromesh

WIRELESS DALI INTERFACE

The Syncromesh WDI is a wireless DALI interface connecting:

- 1x DALI Luminaire
- 1x DALI Sensor
- 4x DALI Switches

to a Syncromesh network*



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WDI_Install_02





!!! DANGER !!!
HAZARD OF ELECTRIC SHOCK,
EXPLOSION, OR ARC FLASH

SAFETY INSTRUCTIONS

- It is illegal for persons other than an appropriately licensed electrical contractors or other persons authorized by legislation to work on the fixed wiring of any electrical installation.
- To comply with all safety standards, the product must be used only for the purpose described in this instruction and must be installed in accordance with the wiring rules and regulation in the location where it is installed.
- There are no user serviceable parts inside the product. Failure to follow these instructions may result in death or serious injury.

CAUTION EQUIPMENT DAMAGE HAZARD

- Install the device according to instructions in this document.
- Pay attention to the specifications and wiring diagrams related to the installation.
- Do not use this product for any other purpose than specified in this instruction.

Failure to follow these instructions can result in minor injuries, or equipment damage.

INSTALLING YOUR WDI

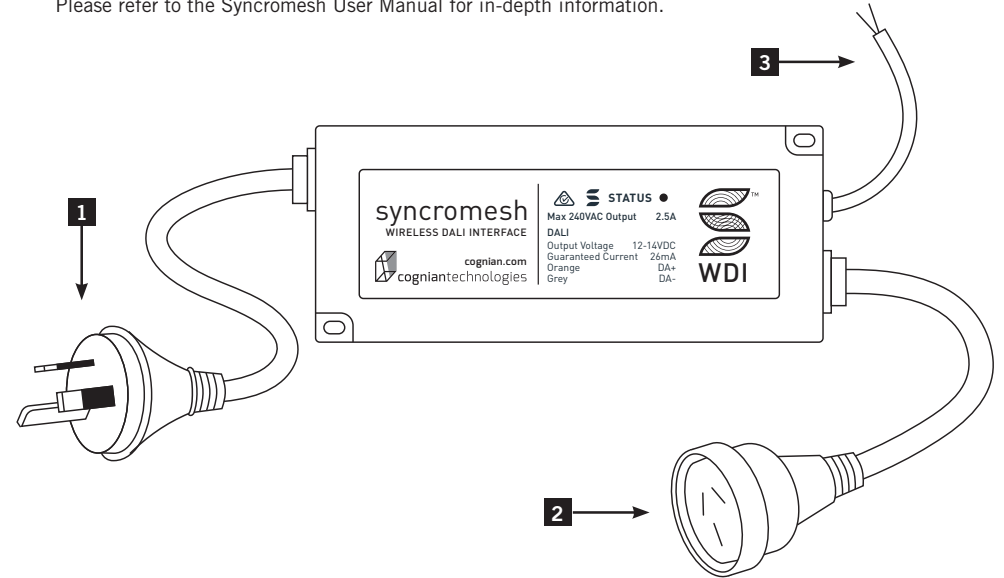
- Do not connect WDI units to an energized circuit at time of installation.
- Do not swap WDI positions or accessories (switches or sensors) after commissioning.
- Do not connect DALI devices to the WDI when energized.
- Maximum rated load of DALI luminaire connected to 240V straight through socket is 2.5A.
- Do not install under thermal insulation. If loose fill insulation is used, a suitable barrier is required.
- Maintain a 50mm air gap in Installed position.
- This product is suitable for indoor use only.
- Check whether the WDI has been damaged during transport. Do not operate/install any product which appears damaged in any way. Return the complete product to the place of purchase for inspection, repair or replacement.
- Unit shall be connected to a permanent supply.
- Additional wiring for switches and sensors to be mains rated double insulated cable.
- Unit is not to be used as means of isolation.

PRODUCT DETAILS

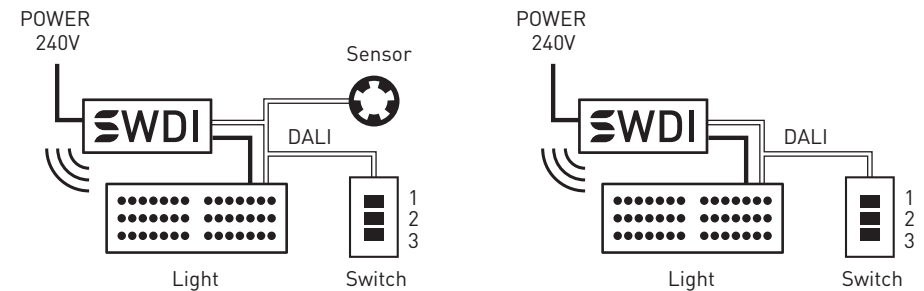
- 1** 220-240V AC
Power Connection
AS/NSZ 3112
Three pin plug
- 2** 220-240V AC
Power Pass-through
AS/NSZ 3112I
Three pin socket
(Max connected load
2.5A / 600W)
- 3** 12-14VDC

GETTING TO KNOW YOUR WDI

Please refer to the Syncromesh User Manual for in-depth information.



TYPICAL CONFIGURATIONS



WDI IS CAPABLE OF CONNECTING ANY OF THE FOLLOWING OPTIONS:

- 1x 240V Out
AS/NSZ 3112
Three pin socket
2.5 Amps MAX
- 1 DALI Ballast
- 1 DALI Ballast + 1 Sensor
+ up to 4 switch inputs
(See *NOTE)
- 1 DALI Ballast
+ up to 6 switch inputs
(See *NOTE)

* NOTE DALI DEVICES

The WDI-2A Device has a total of 8 slots available to DALI and BLE devices.

1 x slot is reserved for a Luminaire connection with remaining slots open for input devices, each device instance takes up one slot regardless if it is used or not.

Be aware that most DALI and BLE input devices have more than one instance.

For example, a 4 input DALI switch will use 4 slots even if only one physical switch is connected.