

GENERATION 2



DANGER

ISOLATE DEVICE FROM POWER

Failure to isolate power supply before installation or maintenance may result in fire, serious injury, electric shock, death and may damage the device.

Product Warranty is void if product is not installed as per installation instructions and in compliance with the local electrical code.

- NO POWER TOOLS**

DO NOT USE SILICONE ON OUTSIDE SURFACE

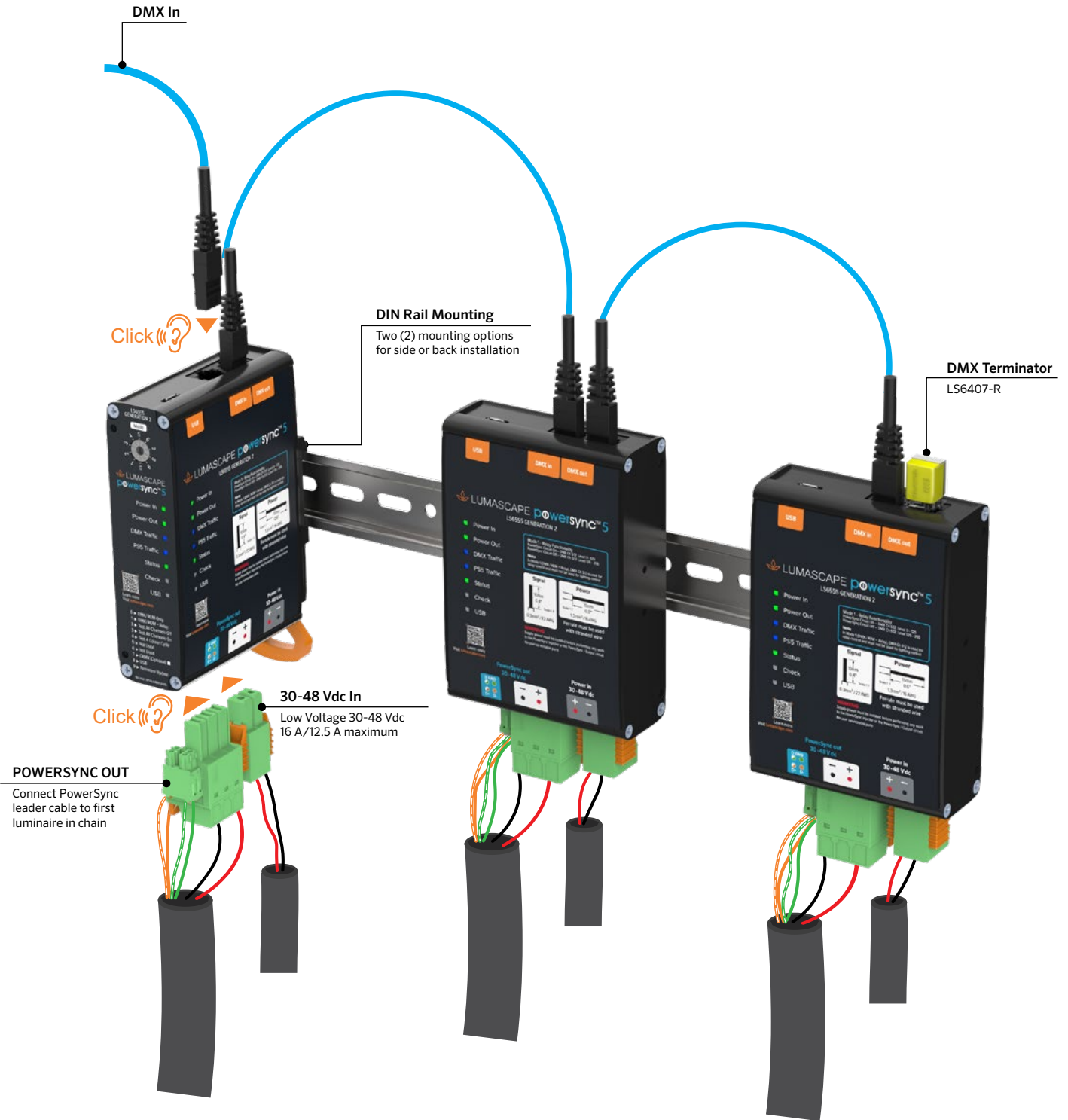
KEEP ELECTRONICS FREE FROM DIRECT AND MOISTURE

DO NOT HOSE OR PRESSURE CLEAN

READ ALL SAFETY INSTRUCTIONS FIRST

- › Follow instructions carefully; failure to do so will void warranty.
- › Ensure installation complies with local laws and applicable standards
- › Only use Lumascape power supply, control equipment and leader cables.
- › Ensure mains input power is surge protected.
- › Never make connections whilst power is connected.
- › Do not make modifications or alter product.
- › Connectors are to be kept clean and dry at all times.
- › Once installed, all connectors are to be mated and a PowerSync terminator is required on the last fitting of run.

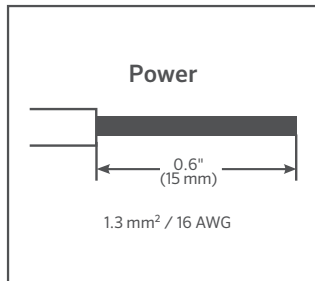
Products and specifications are subject to change without notice.
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PSU Connections

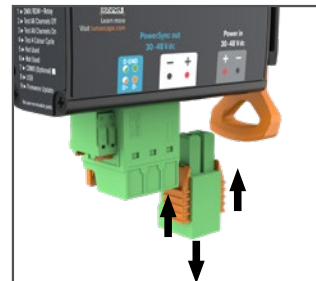
STEP 1

Strip the individual wire strands. Ferrules must be used with stranded wire.



STEP 2

Push up on orange tabs to release the terminal block and pull down to remove.



STEP 3

Using a screwdriver, insert into hole, push to hold open terminal while inserting stranded wire.



STEP 4

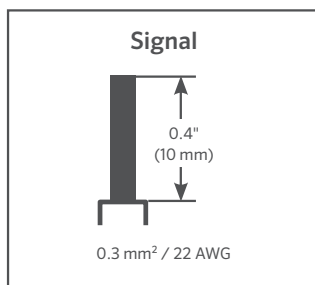
Reconnect terminal block.



Connecting Luminaires via PowerSync Leader Cable

STEP 1

Strip the individual wire strands. Ferrules must be used with stranded wire.



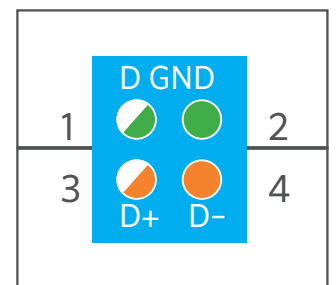
STEP 2

Pull down to remove the terminal block.



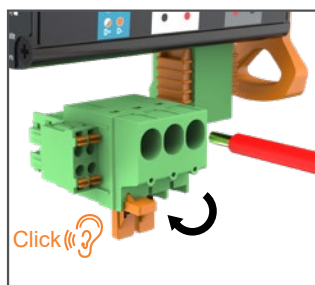
STEP 3

Using a screwdriver, push and hold tab in while inserting stranded wire.



STEP 4

Pull tab down to open terminal, then insert stranded wire.



STEP 5

Push up tabs to lock terminal and reconnect terminal block.



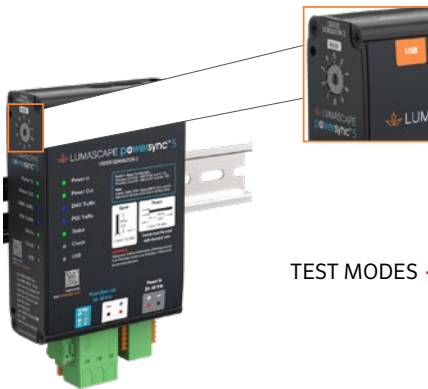
Indicator Lights



INDICATOR LIGHTS

LED Indicator	Event	Appearance
Power In	Main input power	Illuminates
Power Out	Output power relay closed	Illuminates
DMX Traffic	DMX Traffic detected Dimming signal detected	Flashing with signal 1.2 Hz blinking, proportional to input level
PS5 Traffic	PowerSync output enabled	Illuminates
Status	Startup	3 flashes
	Normal operation	1 flash, every 5 seconds
	Circuit fault detected Over voltage Short circuit	2 flashes, every 5 seconds 3 flashes, every 5 seconds
Check	PowerSync fault detected Power fault/over temperature	4 flashes, every 5 seconds
	Relay open Manual override Startup/Fault detected	Flashing Illuminates
	USB	USB connected

10 Position Mode Switch

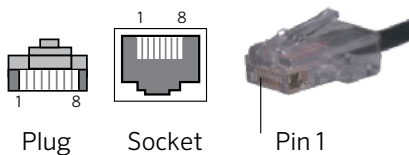


Label	Descriptions
0	DMX/RDM Normal use DMX/RDM mode
1	DMX/RDM + Relay <ul style="list-style-type: none"> DMX Changel 512 @ level255, relay will turn off circuit DMX 512 @ level 125, relay will turn circuit on DMX Chanell 512 @level 0, AND No DMX or 0 Level DMX all channels, and the relay will turn off the circuit after 15 minutes, unit see DMX again.
NOTE: Never work on a circuit unless it is turned off at the breaker. This is NOT a maintenance mode.	
2	Test All Channels Off <ul style="list-style-type: none"> Used for trouble-shooting
3	Test All Channels On <ul style="list-style-type: none"> Dims all lights on, or off or cycles colors Used to confirm PowerSync circuit is operating correctly and controlling light regardless of the DMX system status
4	Test 4 Color Cycle
5	Not Used
6	Not Used
7	CRMX (Optional)
8	USB <ul style="list-style-type: none"> Allows direct control of light through USB Software supported: Madrix 3, Q-Light +, Lumascope RDM Beta
9	Firmware Update

The LS6555 provides three (3) test modes for PowerSync luminaires. These require only connected luminaires and power, and no connected input signal. If an input signal is connected, the LS6555 will not respond to this signal in any of the modes below.

NOTE: These test signals apply to the relevant unit's PowerSync output only -- it will not be passed through on the DMX / RDM connectors if multiple LS6555 units are connected.

RJ45



DMX PIN DESIGNATIONS

Signal	Connector Type RJ45 Std
Data +	1
Data -	2
Ground	7