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
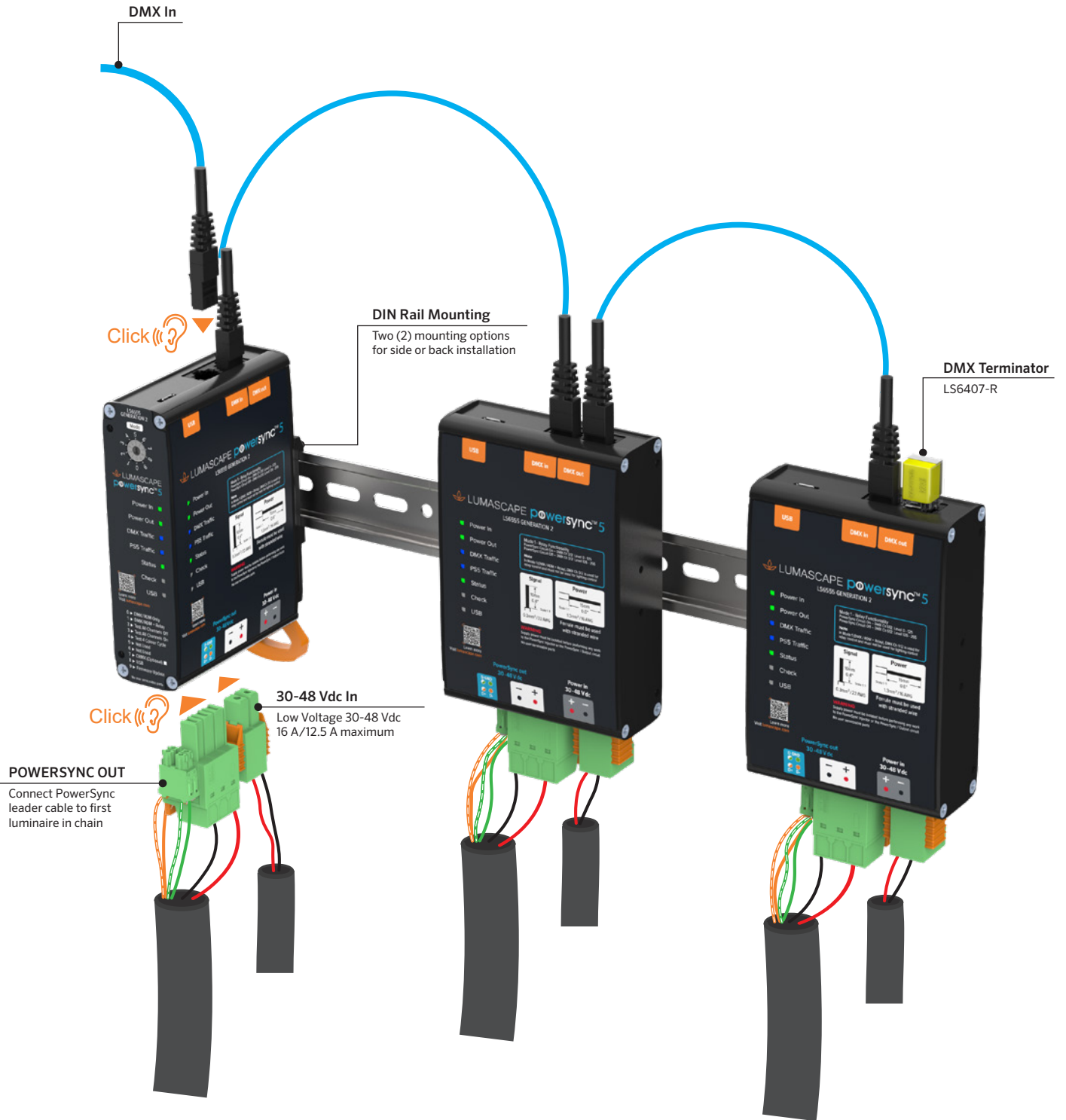› Only use Lumascape power supply, control equipment and leader cables.
› Ensure mains input power is surge protected.

› 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.
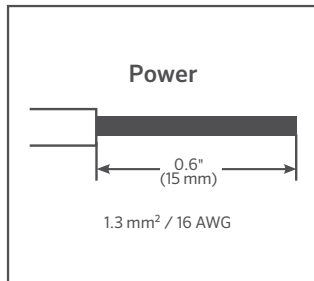
LUMASCAPE

DMX In

Click

DIN Rail Mounting
Two (2) mounting options
for side or back installation

DMX Terminator
LS6407-R

Click

30-48 Vdc In
Low Voltage 30-48 Vdc
16 A/12.5 A maximum

POWERSYNC OUT
Connect PowerSync
leader cable to first
luminaire in chain

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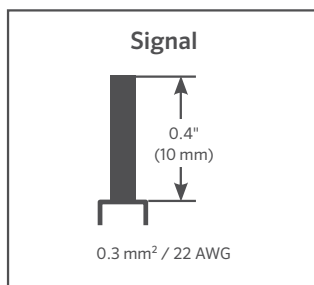Using a screwdriver, insert into hole, push to hold open terminal while inserting stranded wire.

STEP 4
Reconnect terminal block.

Power

0.6"
(15 mm)

1.3 mm² / 16 AWG

Connecting Luminaires via PowerSync Leader Cable

STEP 1
Strip the individual wire strands. Ferrules must be used with stranded wire.

STEP 2
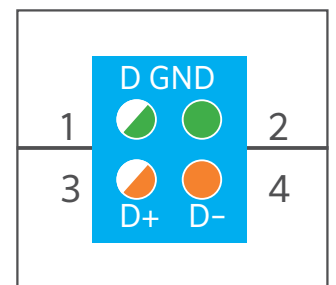Pull down to remove the terminal block.

STEP 3
Using a screwdriver, push and hold tab in while inserting stranded wire.

Signal

0.4"
(10 mm)

0.3 mm² / 22 AWG

D GND

1   2

3   4

D+   D−

STEP 4
Pull tab down to open terminal, then insert stranded wire.

STEP 5
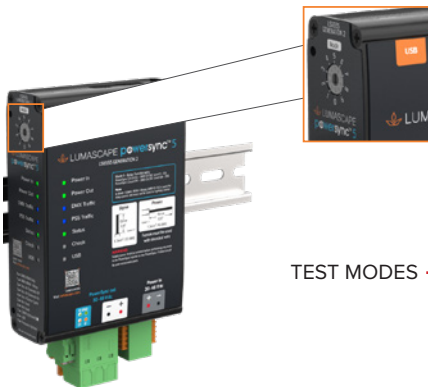Push up tabs to lock terminal and reconnect terminal block.

Click

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 Normal operation	3 flashes 1 flash, every 5 seconds
	Circuit fault detected Over voltage Short circuit	2 flashes, every 5 seconds 3 flashes, every 5 seconds
	PowerSync fault detected Power fault/over temperature	4 flashes, every 5 seconds
Check	Relay open Manual override Startup/Fault detected	Flashing Illuminates
USB	USB connected	Illuminates/flashes with data

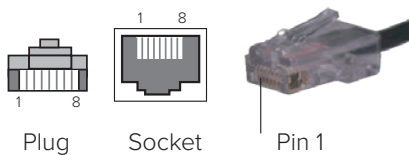## 10 Position Mode Switch

Label	Descriptions	
0	DMX/RDM	Normal use DMX/RDM mode
1	DMX/RDM + Relay	• DMX Channgel 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	• Used for trouble-shooting • 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
3	Test All Channels On	
4	Test 4 Color Cycle	
5	Not Used	
6	Not Used	
7	CRMX (Optional)	
8	USB	• Allows direct control of light through USB • Software supported: Madrix 3, Q-Light +, Lumascape RDM Beta
9	Firmware Update	

TEST MODES

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

Plug   Socket   Pin 1

DMX PIN DESIGNATIONS

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