INSTALLATION INSTRUCTIONS

CONTROLLER

MODEL: LS67100
INPUT VOLTAGE: 12 V AC / 24 V DC
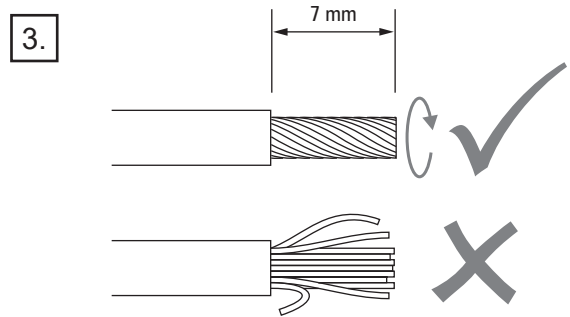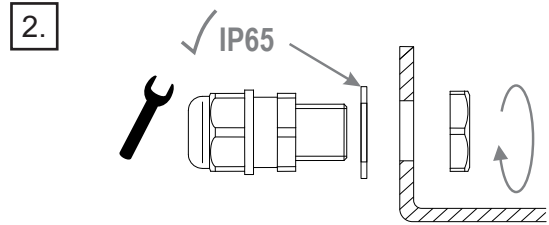
IP65
A.C.N. 0105 72 773   Ta 50 °C
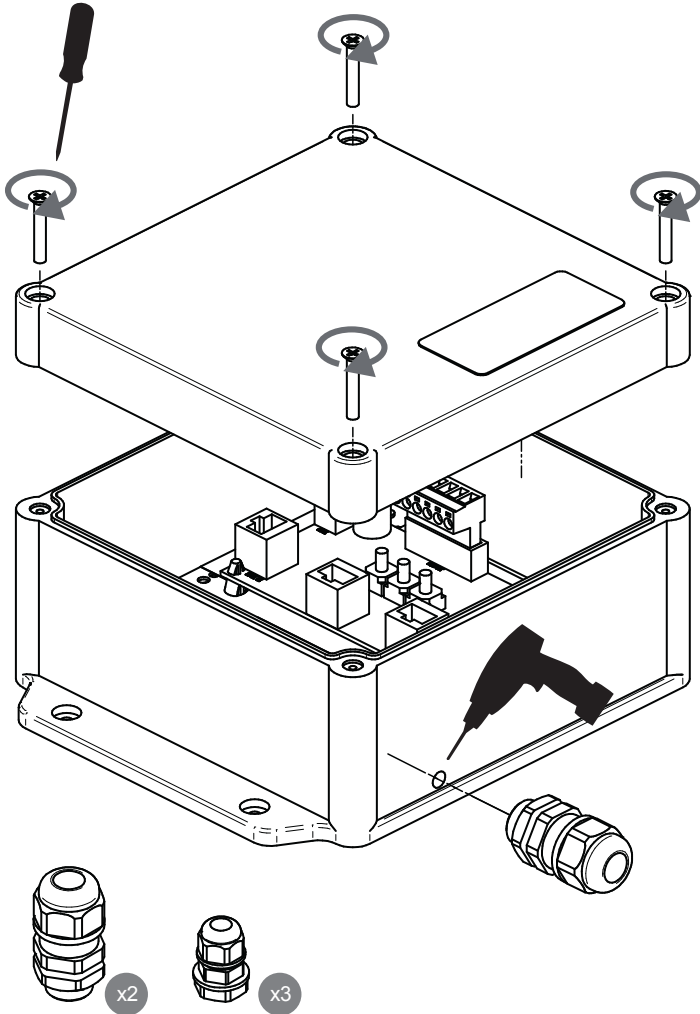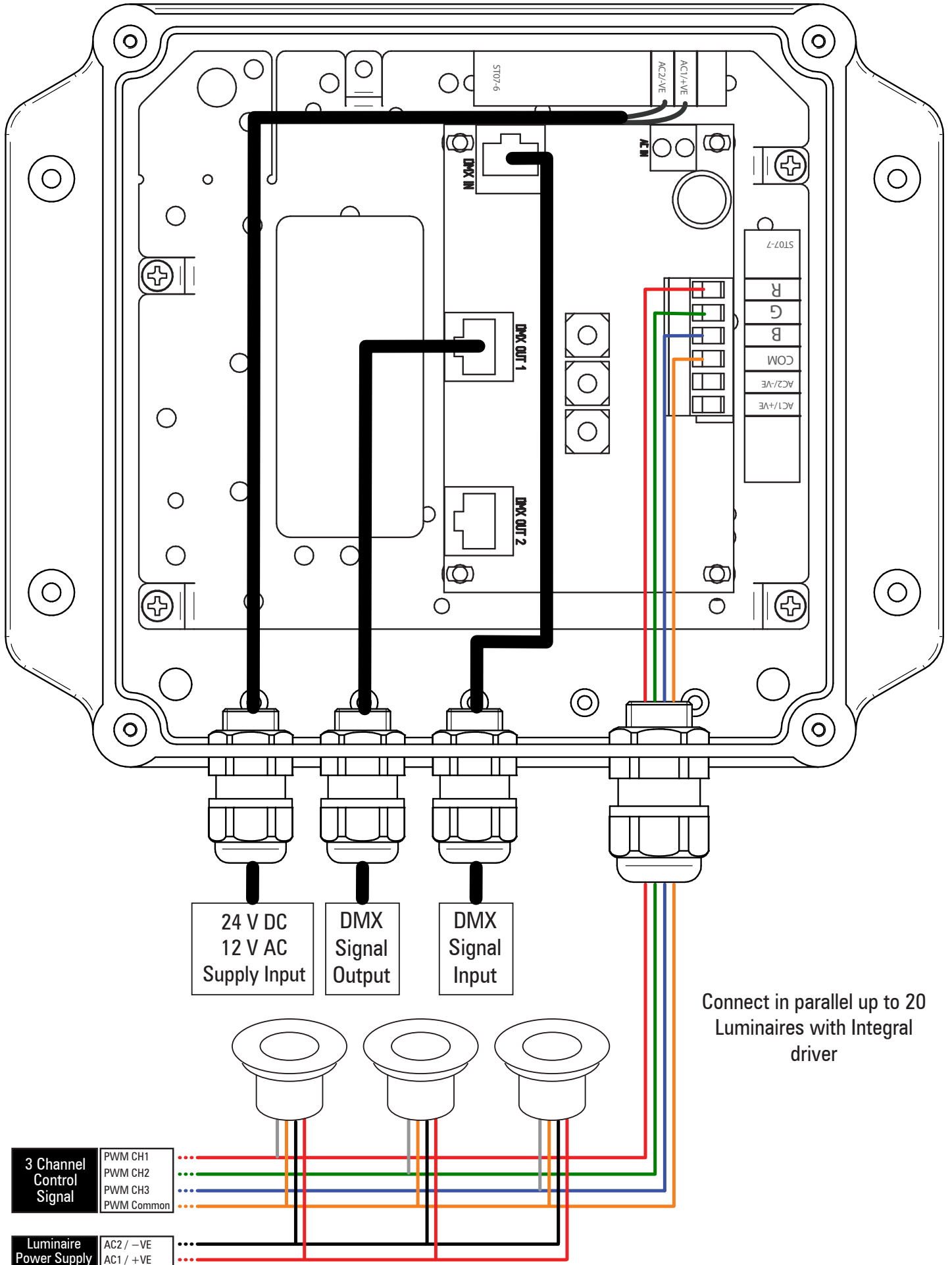
LS67100 DMX Splitter - PWM Converter

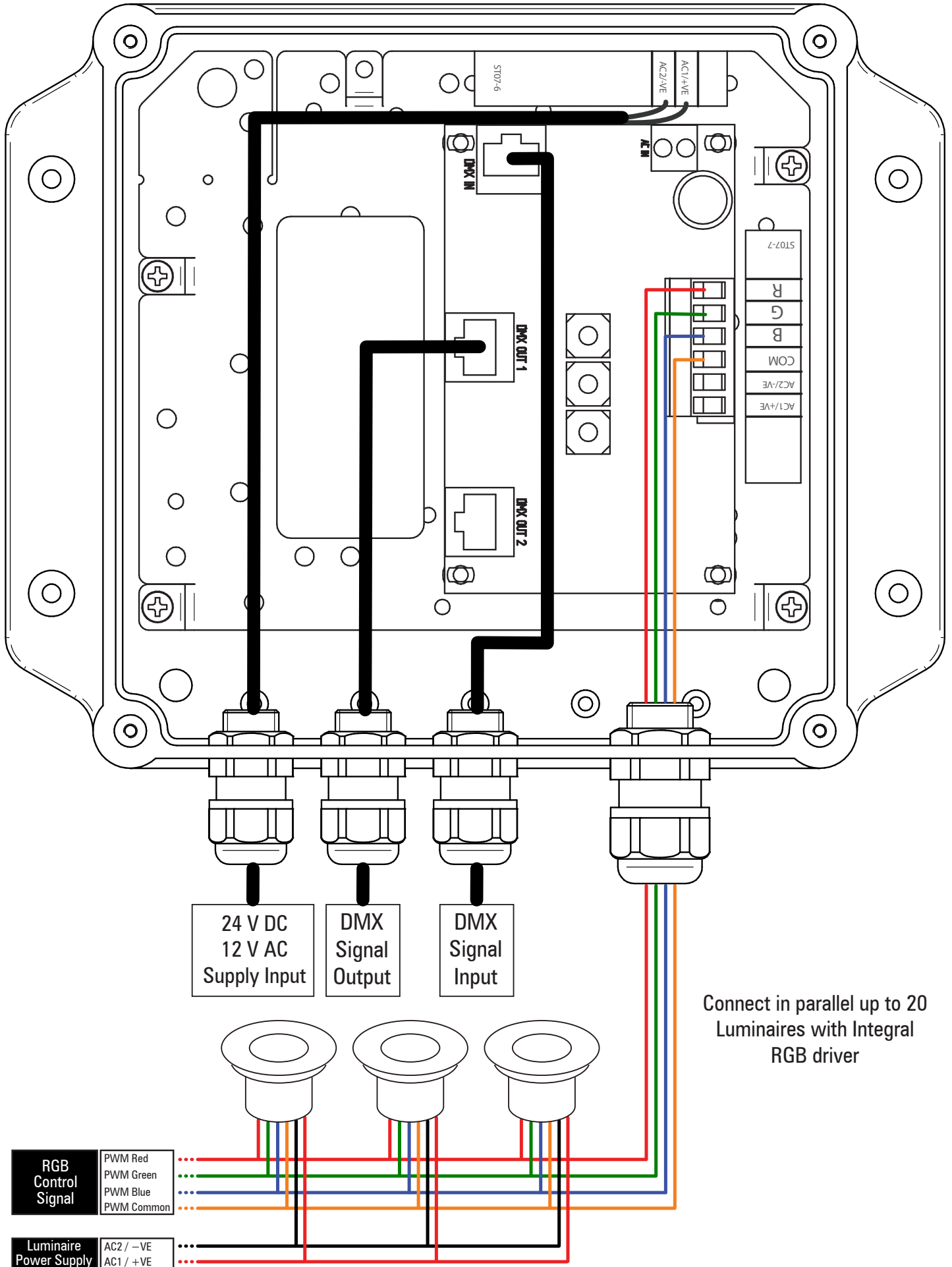## Warranty void if not installed as per installation instructions

1. Install glands and connect wires

Drill holes to install glands as required.

Three large and two small glands are included with the enclosure.

See wiring diagram in back for details.

x2   x3

2.

✓ **IP65**

3.

7 mm

4.

OR
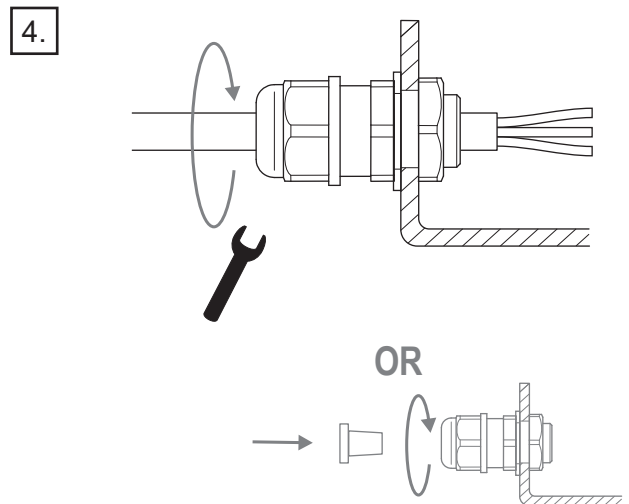
WIRING DIAGRAM: SINGLE COLOUR: 3 CH

ST07-6
AC2/-VE
AC1/+VE
AC IN
DMX IN
ST07-7
R
G
B
COM
AC2/-VE
AC1/+VE
DMX OUT 1
DMX OUT 2

24 V DC
12 V AC
Supply Input

DMX
Signal
Output

DMX
Signal
Input

Connect in parallel up to 20
Luminaires with Integral
driver

3 Channel Control Signal	PWM CH1
	PWM CH2
	PWM CH3
	PWM Common

| Luminaire Power Supply | AC2 / −VE |
| | AC1 / +VE |

IN0107 170410

WIRING DIAGRAM: RGB

24 V DC
12 V AC
Supply Input

DMX
Signal
Output

DMX
Signal
Input

Connect in parallel up to 20
Luminaires with Integral
RGB driver

ST07-6

AC2/-VE

AC1/+VE

AC IN

DMX IN

DMX OUT 1

DMX OUT 2

ST07-7

R
G
B
COM
AC2/-VE
AC1/+VE
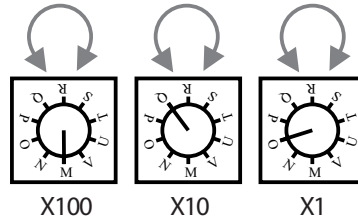
RGB
Control
Signal

PWM Red
PWM Green
PWM Blue
PWM Common

Luminaire
Power Supply

AC2 / −VE
AC1 / +VE

ROTARY DIP SWITCH SETTINGS

6.

X100   X10   X1

Example shown: 042

Set DMX address between 000-512

NOTE: A Lumascape DMX device for RGB will use the address selected plus the next 2 addresses (eg. If address selected is 021, then the DMX addresses will be Red: 021, Green: 022, Blue: 023)

OR

Automatic Sequences

The Rotating switches X100, X10 and X1 need to be configured to get the pre programmed automatic sequences.

Rotary Switch			Sequence
X100	X10	X1	
7	1	Note 1	1 (rainbow)
7	2	Note 1	2 (blue-cyan oscillate)
7	3	Note 1	3 (yellow wobble)
7	4	Note 1	4 (red white green fade)
7	5	Note 1	5 (rainbow-S)

Note 1: please see Sequence Speed Selection table for setting X1

Sequence Speed Selection

There are 10 speeds for each sequence set by the 3rd switch. The third switch will set the length of time taken to run the whole sequence.

For example, the 10 speeds for sequence 1 are as follows:

X1	Speed
0	Pause
1	1 hr
2	30 min
3	10 min
4	5 min
5	2 min
6	40 sec
7	30 sec
8	20 sec
9	10 sec

Hard Coded Colour Settings

Rotary Switch			Hard Colour
X100	X10	X1	
7	0	0	white
7	0	1	red
7	0	2	green
7	0	3	blue
7	0	4	yellow
7	0	5	cyan
7	0	6	magenta

DMX Signal Input Setting

Rotary Switch			Operation Type
X100	X10	X1	
0	X	X	DMX
1	X	X	DMX
2	X	X	DMX
3	X	X	DMX
4	X	X	DMX
5	X	X	DMX

DMX PIN DESIGNATIONS

RJ45
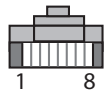
Plug   Socket
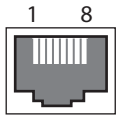
Pin 1

Signal	Pin
Data +	1
Data −	2
Ground	7

Questions?
Call +61 7 3854 5000
Email sales@lumascape.com.au
www.lumascape.com.au

SAFETY INSTRUCTIONS

WARNING - To reduce the risk of FIRE or INJURY:

1. Luminaires and transformers to be installed by licensed electrical contractors.
2. Luminaires to be used for intended purpose only.
3. Do not operate the luminaires with a missing or damaged parts.
4. Use only genuine Lumascape parts to replace damaged or missing components.
5. Refer to instructions for installation and operating requirements.
6. Ensure installation complies with local regulations

Voltage insulation test (megger) will permanently damage product and will void warranty.

SAVE THESE INSTRUCTIONS.