

SCM-DLC-3CH

3 CHANNEL DIGITAL LIGHT CONTROLLER



► THEORY OF OPERATION

The 3-channel DLC can communicate with three separate digital LED strips simultaneously to produce unique, independent patterns. Through the "Light Commander" interface, each channel can be assigned to a lighting zone and configured separately. To provide noise immunity and allow the DLC 3CH to be mounted in a central location, the signal is transmitted through a proprietary two-wire protocol. It ships with a small converter to convert the signal to a standard "WS" type at the digital lighting device.



FAULT DETECTION

The Shadow-Caster® Digital Light Controller is designed to self protect from over-current conditions. In the event that a fault is detected, the SC backlight will flash, and the output power will be disabled. **The unit can be reset by cycling power to the unit.**



SCM-DLC PROGRAM INDEX

The following programs are available through the Shadow-Caster® Light Commander Interface.

Programs:

- Bounce
- Clouds
- Addition
- FIFO
- Middle OUT
- Sparkle
- Hailstorm
- Shadow Rider
- Frequency
- Frequency Middle OUT
- Fireworks
- Fireworks with White Tail



Designed & Manufactured
in Clearwater, FL
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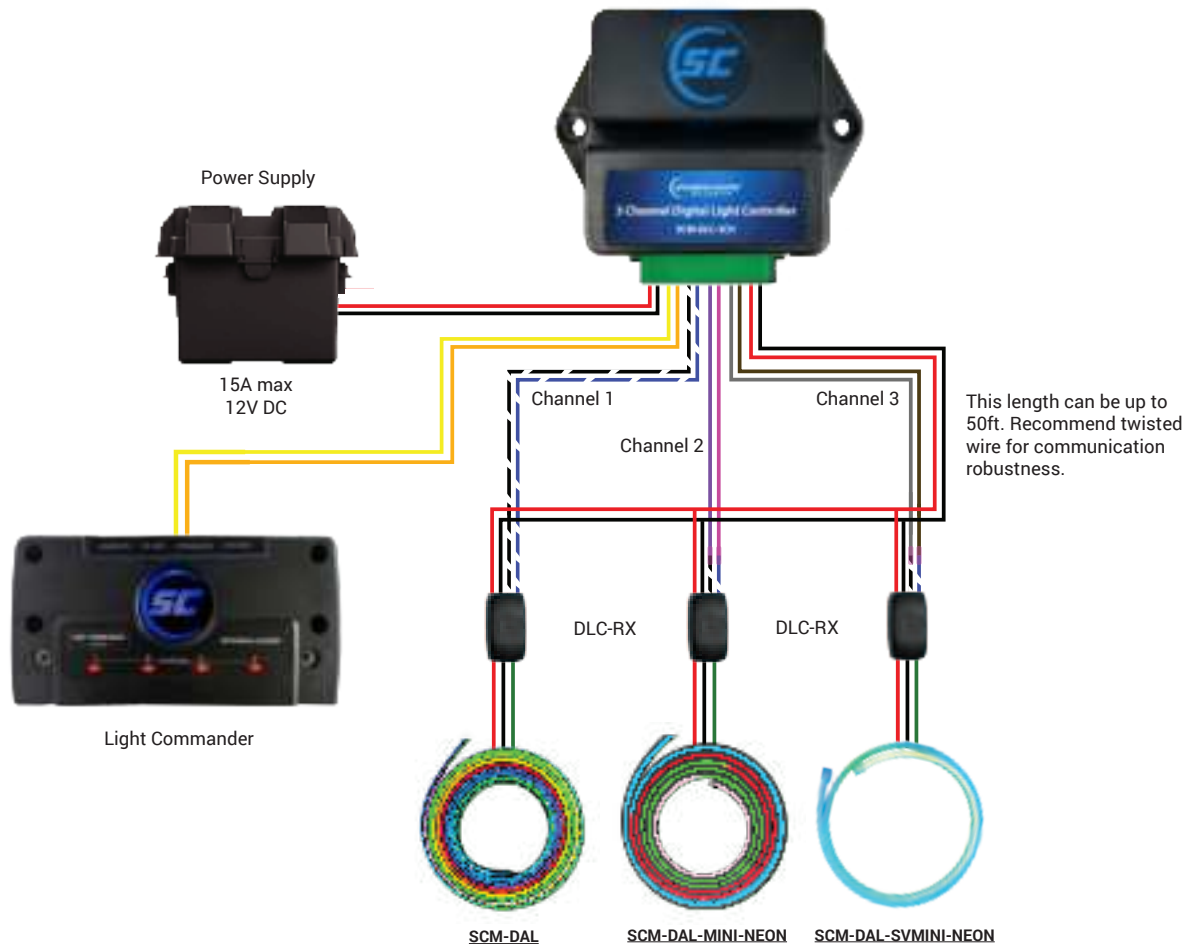
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► WIRING USE & SCHEMATIC



PIN CHART					
DT06-12SC	PIN	GAUGE	JACKET COLOR	LABEL	FUNCTION
	Pin 1	16	RED	x	V-IN
	Pin 2	16	Black	GND IN	GROUND
	Pin 3	18	Blue/White	Ch 1 +	DIGITAL-1 HIGH
	Pin 4	18	Pink	Ch 2 +	DIGITAL-2 HIGH
	Pin 5	18	Brown	Ch 3 +	DIGITAL-3 HIGH
	Pin 6	16	Black/RED Stripe	V-OUT	V-OUT (15AMP PROTECTED)
	Pin 7	16	Black	GND OUT	GROUND
	Pin 8	18	Slate	Ch 3 -	DIGITAL-3 LOW
	Pin 9	18	Purple	Ch 2 -	DIGITAL-2 LOW
	Pin 10	18	Black/White	Ch 1 -	DIGITAL-1 LOW
	Pin 11	18	Yellow	SC-NET +	SHADOW-NET HIGH (YELLOW)
	Pin 12	18	Orange	SC-NET -	SHADOW-NET LOW (ORANGE)



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► MOUNTING INSTRUCTIONS

1. Find a flat spot to mount the SCM-DLC-3CH Digital Light Controller.
2. Print the mounting template below and tape to your preferred mounting location.
3. Drill the pilot holes and center hole.
4. Use Perma-Seal connectors for the wiring.

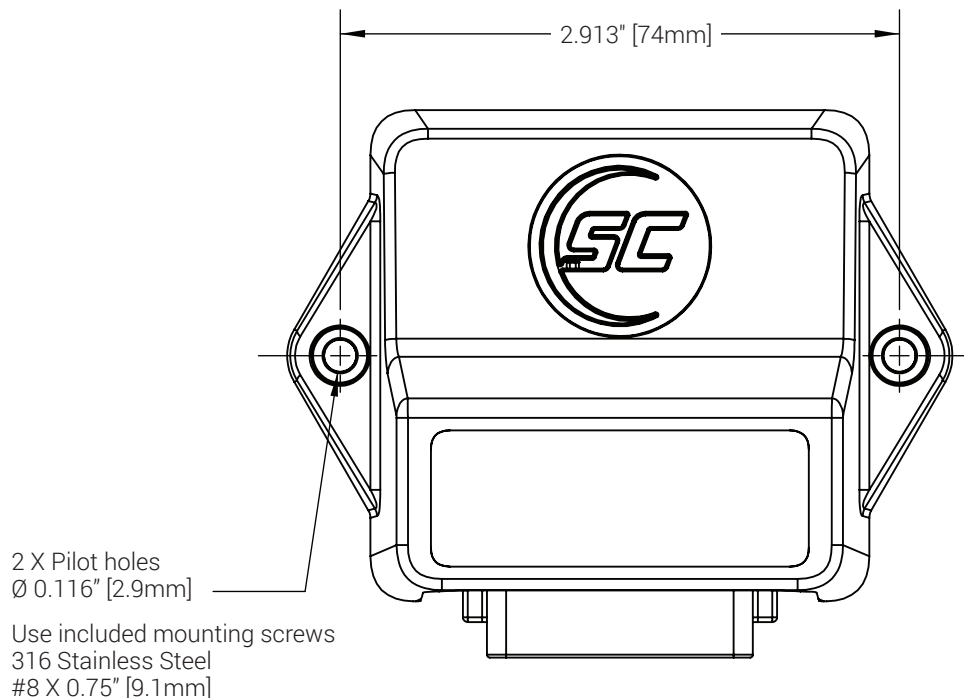
WARNING! PRINT @ 1:1 SCALE

► MOUNTING TEMPLATE

IMPORTANT!

When printing installation templates, please ensure your printer is set to print at 'Actual Size' and double check all printed dimensions exactly match the specified dimensions.

SCALE 1:1



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