

MICROSCAN®

NERLITE® SCM – Strobe Control Module

Part Number: NER-010901900

Product Description: The SCM is an LED light controller designed to strobe up to two LED lights at very-high flash rates. Each light can be independently triggered. Pulse width is user adjustable. The unit features simple to use connections for easy integration. The unit requires a 24VDC power supply.

Control:

Flash Outputs: Two, 24 VDC, 9 A peak * channels @ 60 flashes per second max.

Pulse Output Range: 5 µsec. to 1,300 µsec. in 10 µsec. increments +/- 2 µsec.

Trigger Input: 5-12VDC pulse, 10mA max., rising or falling (switch selectable).

Pulse Selection: 8 bit binary dip switch.

* Higher output currents are achievable. Consult NERLITE for assistance.

Electrical:

Input Voltage: +24VDC +/- 0.5V

Input Current: 2.0 A max.

Output Connectors: 9-Pin D-sub female

Input Connector: Pluggable Wire Compression terminal block.

Trigger Cable: 3.0 M (10 ft.) included

CE Conformity: Yes

Pinouts:

Output D-sub	Input Terminal Block
1 GND	1 +24VDC
2 n/a	2 Gnd 24VDC
3 n/a	3 Signal Cbl. Shield
4 +24VDC	4 Flash 1
5 +24VDC	5 Signal Rtn 1
6 GND	6 Signal Cbl. Shield
7 n/a	7 Flash 2
8 n/a	8 Signal Rtn 2
9 n/a	

Mechanical:

L x W x H: 193.7 mm x 62.3 mm x 97.8 mm (7.62 in. x 2.45 in. x 3.85 in.)

Mounting: (4) 5.4 mm (0.213 in.) Slots

Housing Material: Black Anodized Aluminum

Weight: 460 grams (17 oz.)

Environmental:

Max. Operating Humidity: 95% non-condensing

Operating Temp: 40°C (104°F)

Storage Temp: 70°C (158°F)

Accessories:

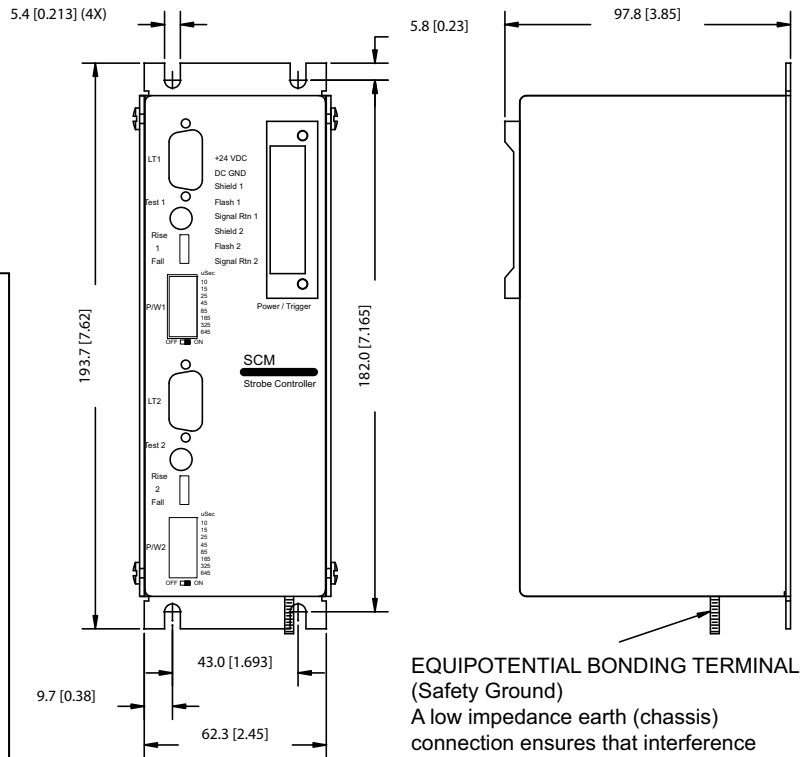
Part Number	Description
NER-010501401	CPS-24VDC, EU Cord
NER-010501402	CPS-24VDC, US Cord

Installation Note: Strobe Controller Grounding

Strobe Controllers deliver large energy transfers in short duration pulses. These pulses can briefly alter ground potential at the power source (DC power supply). To minimize the effect of a changing ground potential on co-located equipment, take the following precautions:

1. **Mount Strobe Controllers close to their DC power sources.**
2. **Wire Strobe Controller ground lines directly to the ground terminal on the DC power source; do not ground to a terminal strip or bus rail that is shared with other devices.**
3. **Keep Strobe Controller ground lines as short as possible.**
4. **When using multiple Strobe Controllers, run the ground line from each controller directly to its' DC power source.**

To avoid problems, follow the precautions above



EQUIPOTENTIAL BONDING TERMINAL (Safety Ground)
 A low impedance earth (chassis) connection ensures that interference signals from other devices are safely discharged to earth.
CONNECT TO PANEL CHASSIS ONLY.