

1. Determine the amount of current being drawn through the wire.
Locate this number in the top row. If the current value is between adjacent values, use the higher number.

2. Follow this column down until the length of the wire is shown. If the exact length is between adjacent values, use the higher number.
The wire gauge shown for this row represents the minimum size wire that should be used.

Wire Gauge	Current Draw	
	5 Amps	10 Amps
18 AWG	15 Feet	7.5 Feet
16 AWG	24 Feet	12 Feet
14 AWG	39 Feet	19.5 Feet

INPUTS

- Input 1 GND (-) — 1 - WHT/BRN
- Input 2 GND (-) — 2 - WHT/RED
- Input 3 GND (-) — 3 - WHT/ORG
- Input 4 GND (-) — 4 - WHT/YEL
- GND (-) — 5 - BLK
- Input 1 POS (+) — 6 - BRN
- Input 2 POS (+) — 7 - RED
- Input 3 POS (+) — 8 - ORG
- Input 4 POS (+) — 9 - YEL
- GND (-) — 10 - BLK

J7

- 1 - GRN / CAN H*
- 2 - BLK/WHT - SHIELD
- 3 - GRY / CAN L*
- 4 - PLUG (not used)
- *These communication wires must be a twisted pair (7 twists per linear foot)

- 4 - PLUG
- 3 - GRY / CAN L
- 2 - BLK/WHT - SHIELD
- 1 - GRN / CAN H

Battery (-) (+)

- 1 - BRN (+) POS —
- 2 - RED (+) POS —
- 3 - ORG (+) POS —
- 4 - YEL (+) POS —
- 5 - GRN (+) POS —
- 6 - BLU (+) POS —
- 7 - VIO (+) POS —
- 8 - GRY (+) POS —

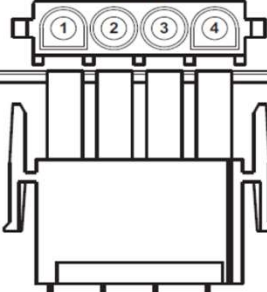
J5 (2.5A MAX per outlet)

- 1 - Output 1
- 2 - Output 2
- 3 - Output 3
- 4 - Output 4
- 5 - Output 5
- 6 - Output 6
- 7 - Output 7
- 8 - Output 8

Connect to Positive terminal of light. Connect Negative terminal of light to chassis ground.

CEM16

J10



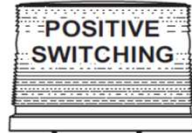
Fuse each wire @ 10 AMPS

J6

- 1 - WHT/BRN (+) POS
- 2 - WHT/RED (+) POS
- 3 - WHT/ORG (+) POS
- 4 - WHT/YEL (+) POS
- 5 - WHT/GRN (+) POS
- 6 - WHT/BLU (+) POS
- 7 - WHT/VIO (+) POS
- 8 - WHT/GRY (+) POS

J6 (2.5A MAX per outlet)

- 1 - Output 9
- 2 - Output 10
- 3 - Output 11
- 4 - Output 12
- 5 - Output 13
- 6 - Output 14
- 7 - Output 15
- 8 - Output 16



Connect negative terminal of light to Chassis Ground