

# M-8 / M-16 INSTALLATION AND OPERATION GUIDE

V 1.3

## INSTALLATION:

1. Mount the unit, using the two mounting tabs. The unit is fully weather proof, and requires no special environment.

2. Connect the BROWN wire to BATTERY -.

NOTE: Make all battery connections through a fused circuit in your fuse box.

3. Connect the ORANGE wire to BATTERY +.

NOTE: You may extend the wires as needed, however make sure your added wire is at least 12 gauge for the M-8 and 10 gauge for the M-16.

4. Connect the WHITE wire to power source -. (solar panel, battery charger, etc.)

5. Connect the RED wire to power source +.

Solder and insulate all connections.

## OPERATION:

The M-8 and M-16 charge controllers are designed to control charging currents of up to 8 or 16 amps respectively. They are intended for single battery system operation. For dual battery marine or RV applications use model M-8m which includes a built in battery isolator circuit.

The unit includes four LED status indicators. They are described below.

PV READY will light in the morning when the solar panel voltage is greater than battery voltage indicating a charging potential.

ANALYZING will light to indicate regulation action.

CHARGING will light when the unit is engaged in the charging action.

FINISHING will flash as the battery voltage nears full voltage. The flash rate increases with battery voltage to indicate rate of voltage change.



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If you have any question or problem regarding your Sun Selector product, please call our toll free tech support number 1-800-222-3988 or 304-485-6303 M-F 8:00 AM to 5:00 PM E.S.T. or write Sun Selector, PO Box 1545 Parkersburg WV 26101 USA.