

AUTO-EQUALIZE TIMER REPLACEMENT

SCOPE

SCR/SCRF Series battery charger products with an electro-mechanical auto-timer (RF0006-00)

Options Affected:

- EJ0131-XX AC Failure Auto-Equalize timer
- EJ0125-XX Current Limit Auto-Equalize timer
- EJ1248-XX Low Voltage Auto-Equalize timer

BACKGROUND

The electro-mechanical timer (RF0006-00) previously used in auto-equalize options will no longer be provided. A more modern, digital type (RF003-00) will now be featured. The operation of the options will remain the same, only with longer time settings and more accurate adjustments. The new timer can replace the old timer in chargers previously delivered. A cover plate is provided and no new wiring is needed to retrofit the new timer in the field.

REQUIRED EQUIPMENT

- Tools: slot-head screwdriver
- Parts: EJ5039-00 replacement kit

FIELD REPLACEMENT INSTRUCTIONS

NOTE: Remove all power from the battery charger. AC input lines and DC bus lines need to be checked before any attempt is made in replacing and rewiring the new timer.

Unscrew the three (3) screws holding the old timer to the front panel/door. Save the hardware. Pull out the timer and unscrew all wires from the back of the timer. Mount the adaptor plate to the timer using the saved screws. Slide the timer into the hole so the labels are upright. Switch and attach the removed wires to the socket using the tables below.

EJ0131-XX AC Failure Auto-Equalize Timer

Wire #	Wire Color	Old Timer	New Socket
132	WH/BR	TM1-1	Term-2
168	PU	TM1-2	Term-10
166	BU	TM1-3	Term-1
148	BU	TM1-5	Term-4

EJ0125-XX Current Limit Auto-Eq Timer /

EJ1248-XX LVDC Auto-Eq Timer

Wire #	Wire Color	Old Timer	New Socket
148	BL	TM1-1	Term-2
147,150	WH/RD	TM1-2	Term-10
134,156	WH/OR	TM1-3	Term-1
131,150	WH/RD	TM1-5	Term-4

A factory-installed jumper connects socket #5 to #6.

SETTING UP THE NEW TIMER

1. A row of five (5) thumbwheels on the outside face of the timer adjust time and control
2. Set the left most thumb wheel to E.
3. Set to the required time and units.

Below is the setting for 72 hours:

E	0	7	2	H
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4. Reconnect power and return the battery charger to service.

OPERATION

The timer will remain off during float operation and will become energized when a equalize event occurs. The timer will then display the selected time and start counting down to 0. Once the timer has reached the end of the timing cycle the charger will switch to Float and the timer will shut off, and wait for the next event.