

INSTALLING THE AUXILIARY ALARM RELAY PC BOARD (STYLE-163/198 ENCLOSURES)

BACKGROUND

In the **AT30 Series** (Style-163 and Style-198) battery charger enclosures, the Auxiliary Alarm Relay pc board (A5) installs onto the upper-right hand corner of the rear phenolic mounting panel (**Fig. 1**).

PREPARATION

The green Auxiliary Alarm Relay pc board (A5) is susceptible to damage from static discharge. Please use the following precautions:

- 1) Use a wrist strap to ground yourself to the battery charger enclosure, using the ground stud on the back of the front panel door.
- 2) Touch the ground stud on the back of the door with your finger before removing the new part (A5) from its anti-static carrier bag.
- 3) Handle all printed circuit boards by their edges only.
- 4) Ensure you are grounded while handling and installing the new replacement board (A5), and handling and servicing ALL other existing printed circuit boards (or any static-sensitive part) inside the charger.

PROCEDURE

WARNING: BEFORE STARTING THIS PROCEDURE, ENSURE BOTH AC INPUT AND DC OUTPUT POWER HAS BEEN REMOVED FROM THE BATTERY CHARGER FOLLOW ALL SAFETY STANDARDS IN THE OPERATING & SERVICE INSTRUCTIONS

- 1) Shut down the **AT30 Series** charger per the *Operating Instructions* and open the front door.
- 2) Locate the supplied mounting bracket (FC0776-00). Rotate all four (4) nylon standoffs on the bracket with pliers so the clip openings will accept the edge of the pc board between them (**Fig. 2**).
- 3) Mount the bracket using supplied hardware, to the rear phenolic mounting panel (**Fig. 2**) of the enclosure. If pre-drilled mounting holes are not present, locate the bracket in the approximate area specified and transfer drill. Exact dimensions are not important (**Fig. 1**).
- 4) Carefully snap the supplied board (A5) onto the nylon standoffs, with the terminal block (TB4) facing up (**Fig. 3**).
- 5) Run the supplied serial interconnection cable along the main signal harness, starting at the newly mounted Auxiliary Alarm Relay pc board (A5). End at the Main Control pc board (A1), which is mounted to the inside of the front panel door. Polarity of the interconnection cable ends is not important.
- 6) Insert the 8-pin white nylon plug ends of the interconnection cable into **A5-J1** at one end, and **A1-J2** at the other (**Fig 4**).
- 7) Secure the serial interconnection cable to the main signal harness using plastic wire ties.
- 8) Close the door and restart the **AT30 Series** charger per the *Operating Instructions*.

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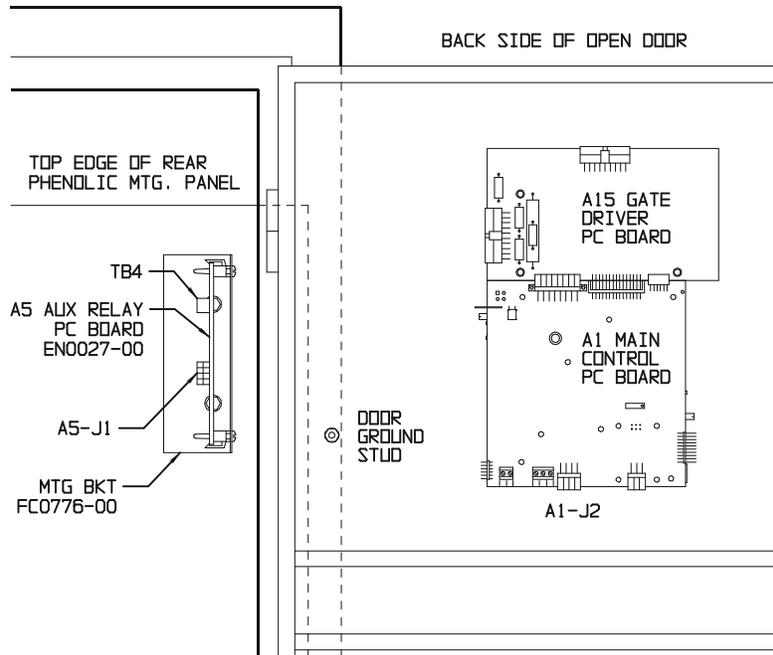


Figure 1 - front view of properly installed components



Figure 2 - bracket mounted in unit

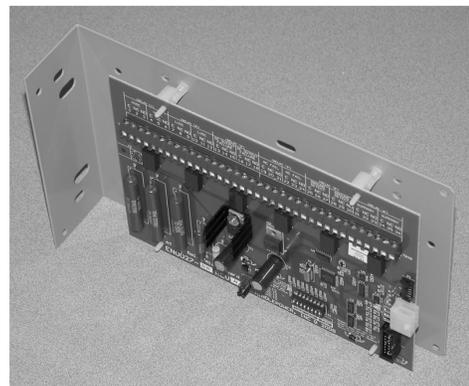


Figure 3 - A5 pc board mounted on bracket

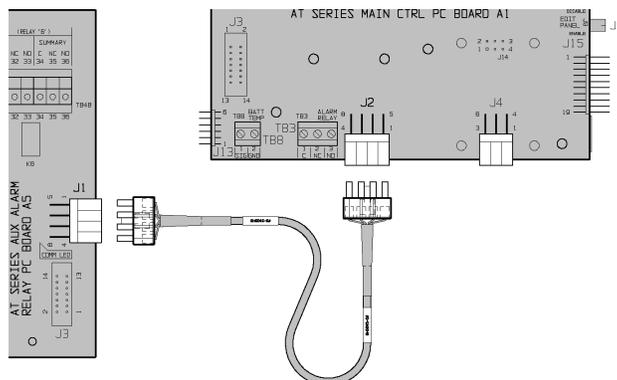


Figure 4 - serial cable interconnection