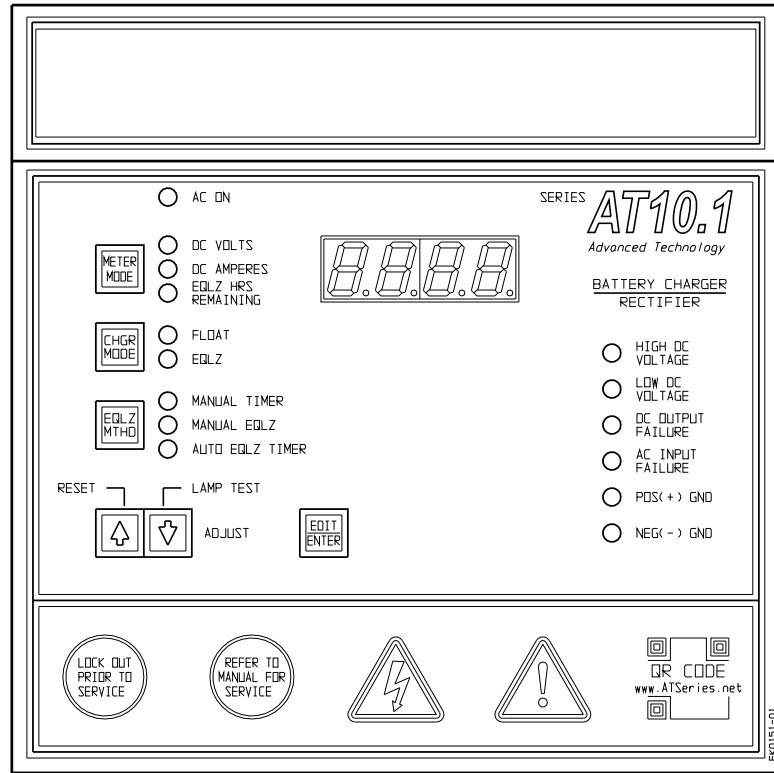


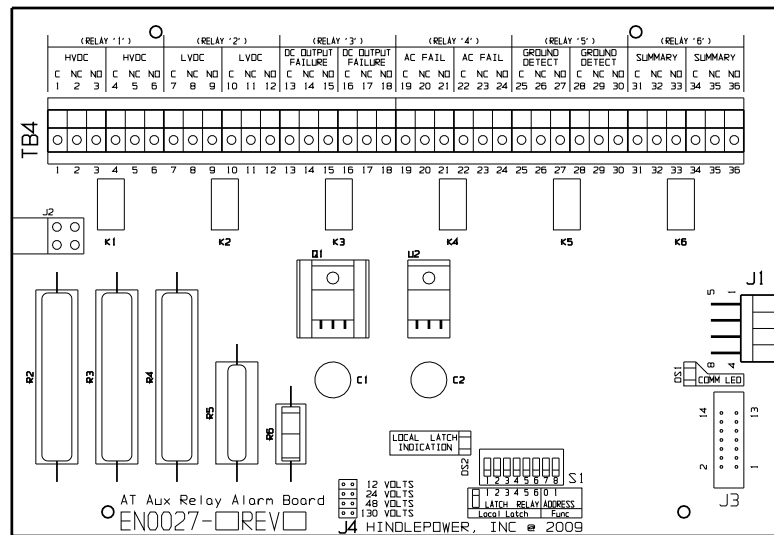
INDICATOR LIGHTS (LEDs):

- | | |
|-------------------------------------|----------------------------------|
| DS01 - GREEN - AC ON | DS10 - RED - LOW LEVEL DETECT |
| DS02 - RED - DC VOLTS | DS11 - RED - (METER DISPLAY) |
| DS03 - RED - DC AMPERES | DS12 - RED - (METER DISPLAY) |
| DS04 - RED - EQUALIZE HRS REMAINING | DS13 - RED - HIGH DC VOLTAGE |
| DS05 - GREEN - FLOAT | DS14 - RED - LOW DC VOLTAGE |
| DS06 - AMBER - EQUALIZE | DS15 - RED - DC OUTPUT FAILURE |
| DS07 - AMBER - MANUAL TIMER | DS16 - RED - AC INPUT FAILURE |
| DS08 - AMBER - MANUAL EQUALIZE | DS17 - RED - POS(+) GROUND FAULT |
| DS09 - AMBER - AUTO EQUALIZE TIMER | DS18 - RED - NEG(-) GROUND FAULT |



CONTROL PANEL
(p/n FK0151-01)

NOTE: UNLESS OTHERWISE SPECIFIED, ALL ALARM TERMINAL BLOCKS (TB3/TB4/TB8) ARE SOLDERLESS COMPRESSION SCREW TERMINALS, ACCEPTING #22-14 AWG WIRE. ALL ALARM CONTACTS SHOWN IN NON-ALARM STATE, WITH CHARGER ENERGIZED AND ALARM RELAYS ENERGIZED (FAIL SAFE). ALL ALARM CONTACTS WILL CHANGE STATE WHEN CHARGER IS POWERED DOWN. CONTACT RATING IS 0.5A @ 125VAC/VDC RESISTIVE.



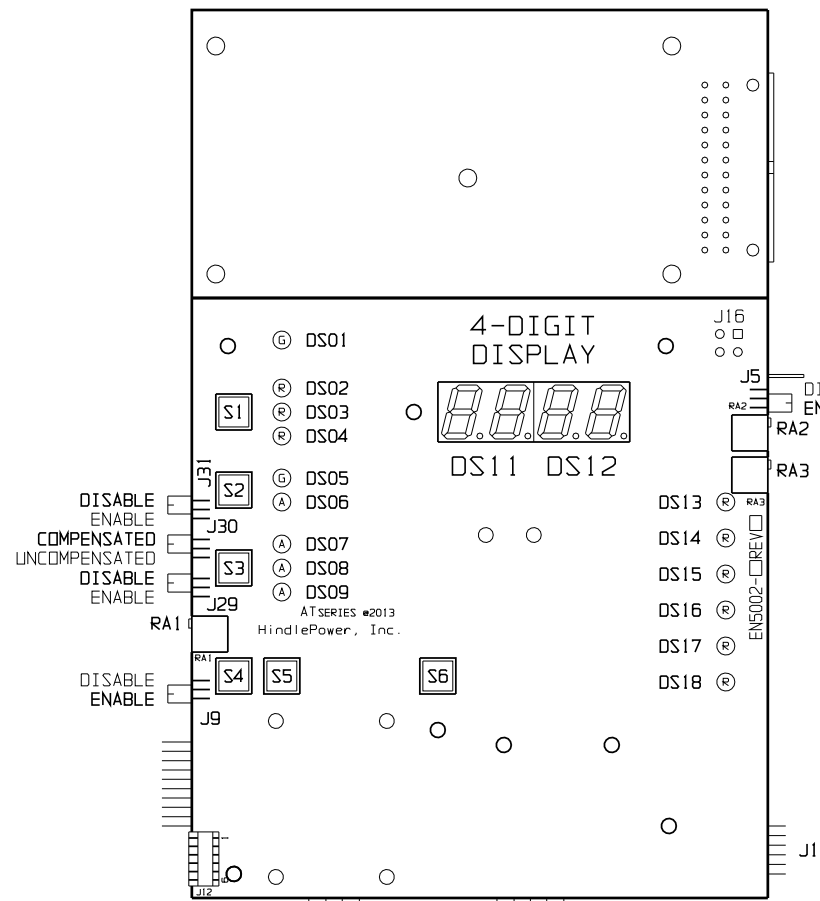
AUXILIARY ALARM RELAY PC BOARD (A5)

A5-J1 CONNECTED TO
A1-J2 VIA EH5045-0#
8-PIN SERIAL CABLE

OTHER CONTROLS:
RA1 - LOW LEVEL
DETECT ADJUST
RA2 - GROUND FAULT
BALANCE
RA3 - GROUND FAULT
SENSITIVITY

NON-USER ACCESSED JUMPERS:
J3 - OLD A5 RIBBON CONNECTOR
J12 - BOARD PROGRAMMING
J14 - OLD FORCED LOAD SHARING
J15 - MANUFACTURING TEST
J16 - OLD INTERNAL TEMP

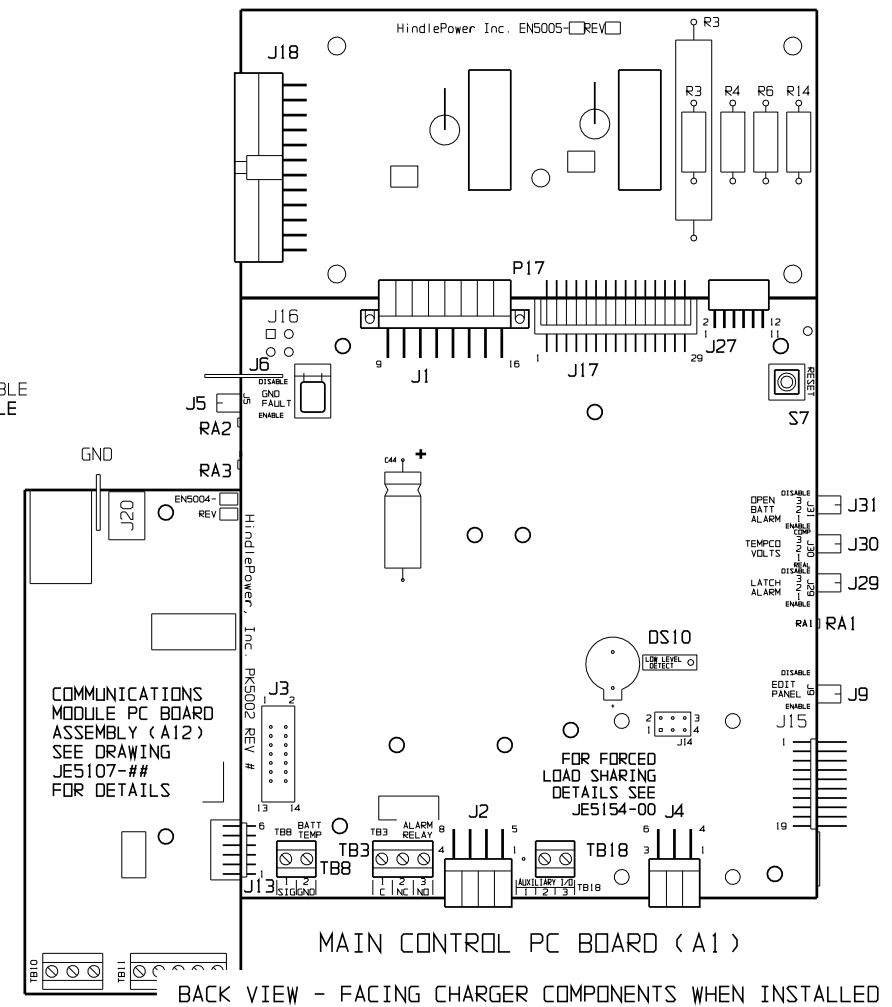
HIGH-OUTPUT GATE DRIVER PC BOARD (A11)



MAIN CONTROL PC BOARD (A1)

FRONT VIEW - FACING CHARGER DOOR WHEN INSTALLED

HIGH-OUTPUT GATE DRIVER PC BOARD (A11)



MAIN CONTROL PC BOARD (A1)

BACK VIEW - FACING CHARGER COMPONENTS WHEN INSTALLED

USER JUMPERS:

- J1 - MAINFRAME SIGNAL HARNESS (NOT USED IN 30-100A)
- J2 - AUX ALARM RELAY BOARD (A5) SERIAL CONNECTOR
- J4 - FORCED LOAD SHARING CABLE INTERCONNECTOR
- J5 - GROUND FAULT ENABLE/DISABLE
- J6 - EARTH GROUND CONNECTOR
- J9 - FRONT PANEL ENABLE/DISABLE (LOCKOUT)
- J13 - COMMUNICATIONS PC BOARD (A12) INTERCONNECTOR
- J17 - HD GATE DRIVER PC BOARD (A11) INTERCONNECTOR
- J18 - MAINFRAME SIGNAL HARNESS (30-100A OUTPUT)
- J27 - not used (3PH GATE DRIVER INTERCONNECTOR)
- J29 - LATCHING ALARMS ENABLE/DISABLE SELECTOR
- J30 - TEMPDC VOLTAGES (COMPENSATED/UNCOMP) SELECTOR
- J31 - BATTERY OPEN ALARM ENABLE/DISABLE SELECTOR

SWITCHES:

- S1 - METER MODE
- S2 - CHARGER MODE
- S3 - EQUALIZE METHOD
- S4 - Δ ADJUST
- S5 - ▽ ADJUST
- S6 - EDIT / ENTER
- S7 - PROCESSOR MANUAL RESET

TERMINAL BLOCKS:

- TB3 - SUMMARY ALARM RELAY CONTACTS
- TB4 - AUX ALARM RELAY CONTACTS
- TB8 - OPT TEMPDC PROBE (A10) CONN
- TB18 - REM SHUTDOWN INTERFACE

8	-N/A-	082721	THIRD ANGLE PROJECTION	DRAWN BY MCR 022003	TITLE AT10.1 SERIES BATTERY CHARGER (GROUP II) CONTROL PANEL / PC BOARD DETAIL (OPTIONAL)		
7	-N/A-	-N/A--			DRAWING No JE5030-29 REV 8 B		
6	25008	071415	ELECTRONIC APPROVAL SIGNATURES MAINTAINED BY MFG ECN LOG			SCALE NTS PART No JE5030-29 SHEET 1 OF 1	
5	23710	051613	UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:				
4	23006	020812					
REV	ECN No	DATE					