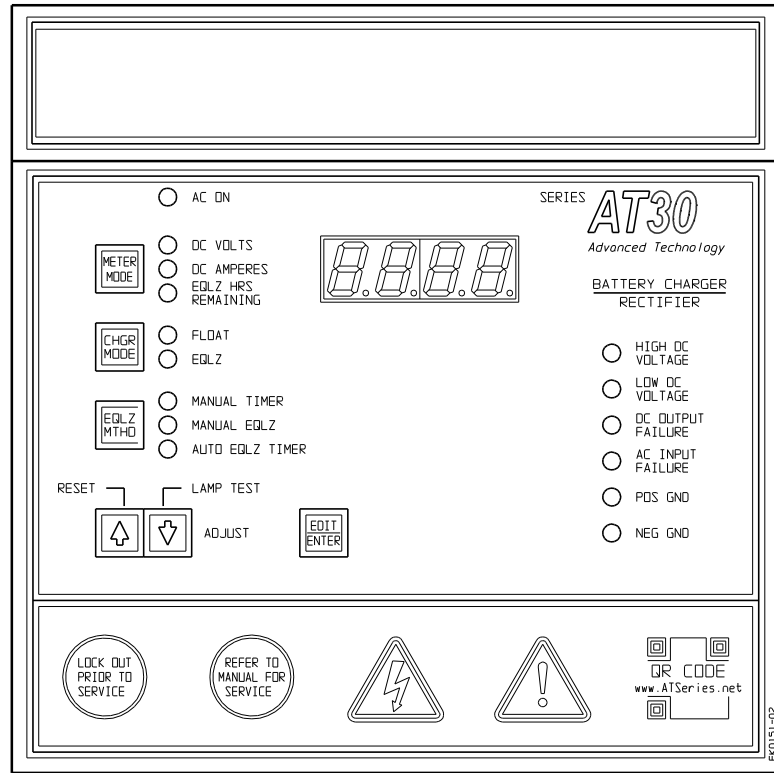
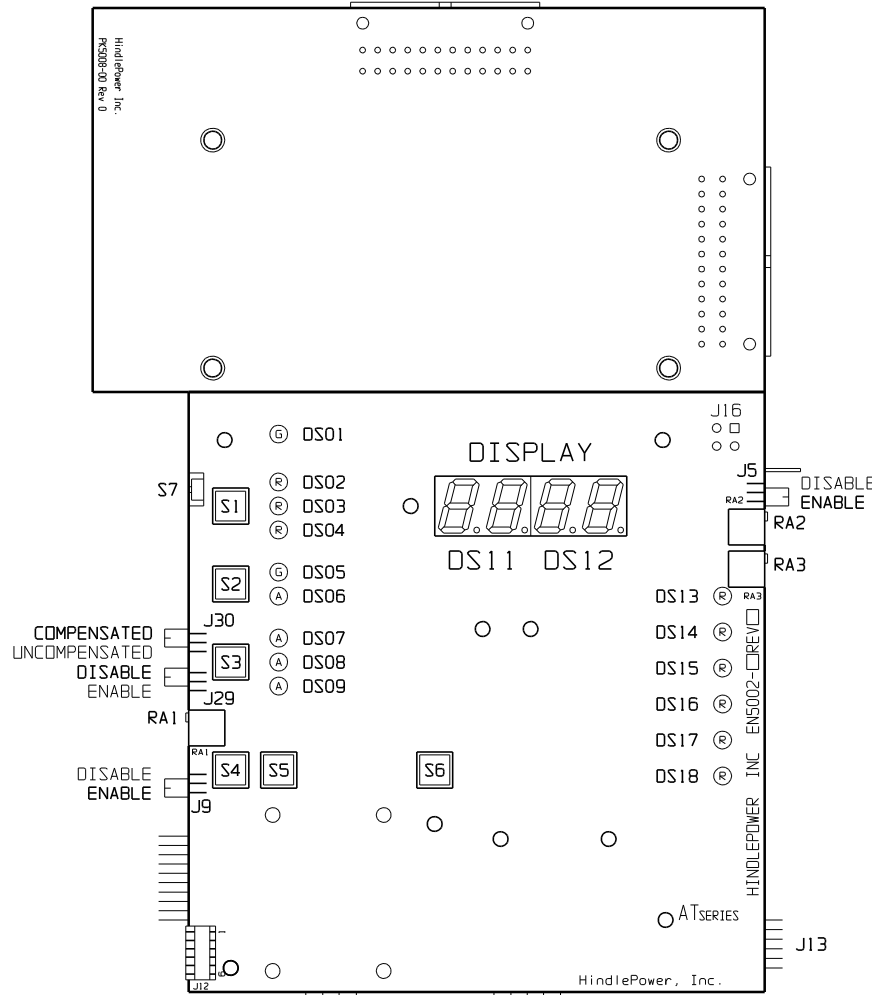


- INDICATOR LIGHTS (LEDs):
- DS01 - GREEN - AC ON
 - DS02 - RED - DC VOLTS
 - DS03 - RED - DC AMPERES
 - DS04 - RED - EQUALIZE HRS REMAINING
 - DS05 - GREEN - FLOAT
 - DS06 - AMBER - EQUALIZE
 - DS07 - AMBER - MANUAL TIMER
 - DS08 - AMBER - MANUAL EQUALIZE
 - DS09 - AMBER - AUTO EQUALIZE TIMER
 - DS10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



INSTRUMENT PANEL
(PART No. FK0151-01)

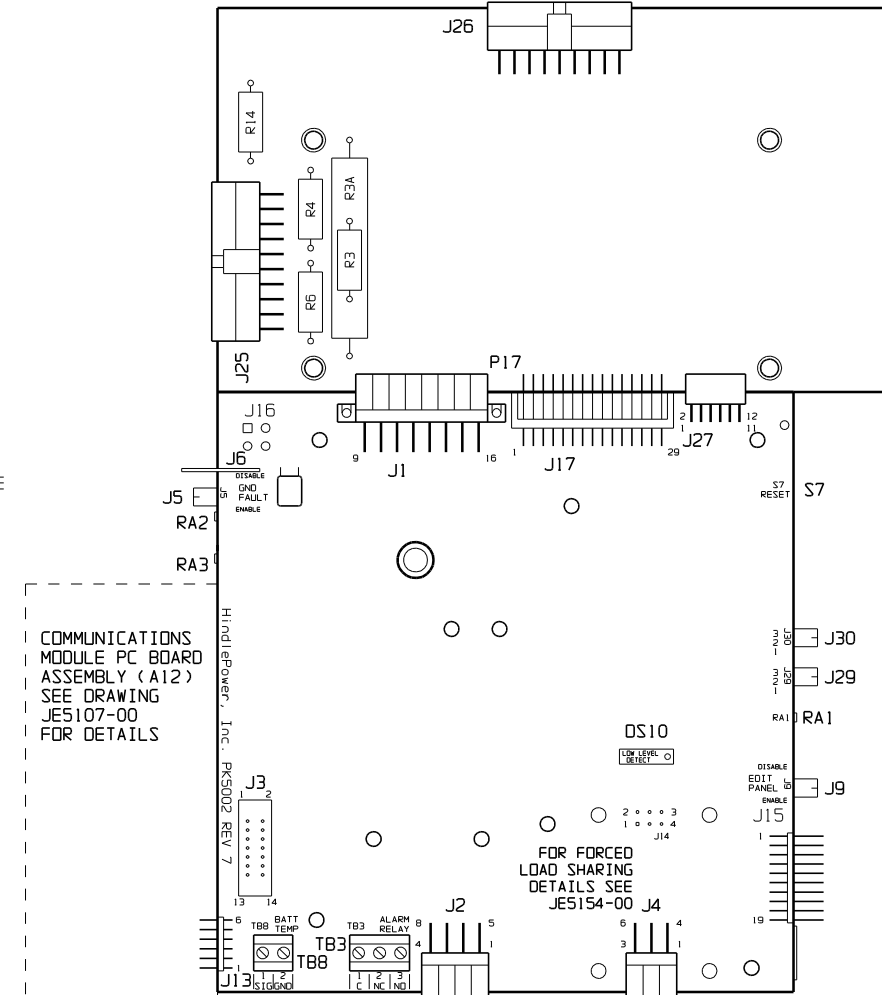
THREE PHASE GATE DRIVER PC BOARD (A15)



MAIN CONTROL PC BOARD (A1)

FRONT VIEW - FACING CHARGER DOOR WHEN INSTALLED

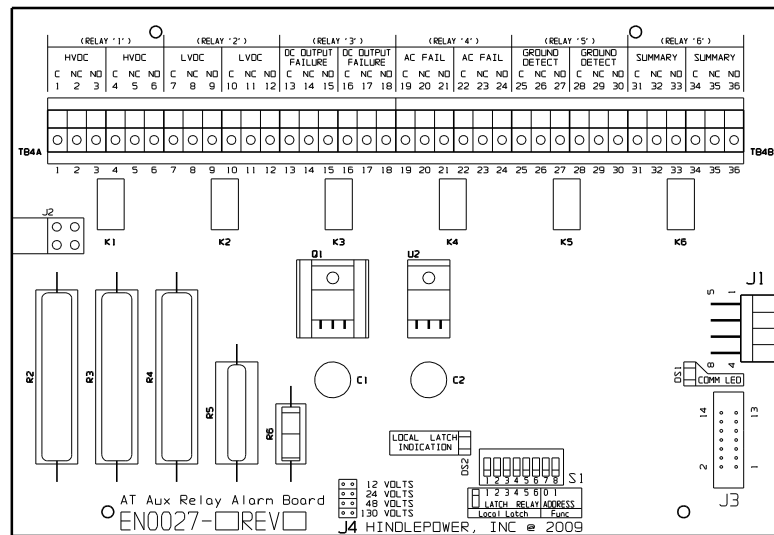
THREE PHASE GATE DRIVER PC BOARD (A15)



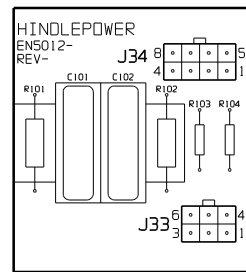
MAIN CONTROL PC BOARD (A1)

BACK VIEW - FACING CHARGER COMPONENTS WHEN INSTALLED

NOTE: UNLESS OTHERWISE SPECIFIED, ALL ALARM TERMINAL BLOCKS (TB3/TB4/TB8) ARE SOLDERLESS COMPRESSION 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)



SCR SNUBBER
PC BOARD (A17x)
THREE (3) REQ'D
PER CHARGER

A5-J1 CONNECTED TO
A1-J2 VIA EH5045-XX
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

USER JUMPERS:

- J1 - MAINFRAME SIGNAL HARNESS (NOT USED WITH 3PH)
- 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 - 3PH GATE DRIVER PC BOARD (A15) INTERCONNECTOR
- J25 - MAINFRAME CONTROL SIGNAL HARNESS
- J26 - SCR FIRING CONTROL HARNESS (3 PHASE/6 PULSE)
- J27 - 3PH GATE DRIVER PC BOARD (A15) INTERCONNECTOR
- J29 - LATCHING ALARMS ENABLE/DISABLE
- J30 - TEMPDC VOLTAGES (COMPENSATED/UNCOMP) 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 - OPTIONAL TEMPDC PROBE (A10) INTERCONNECTOR

5	23259	071312	 THIRD ANGLE PROJECTION	TITLE AT30 SERIES BATTERY CHARGER (OPTIONAL) INSTRUMENT PANEL / PC BOARD DETAIL	
4	23006	020812		DRAWING No JE5091-39	
3	21922	120209	DRAWN BY MCR 051705 ELECTRONIC APPROVAL SIGNATURES MAINTAINED BY MFG ECN LOG	REV 5	B
1	21097	041108		SCALE NTS	
0	E2044	051705	UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:	PART No JE5091-39	SHEET 1 OF 1
REV	ECN No	DATE			