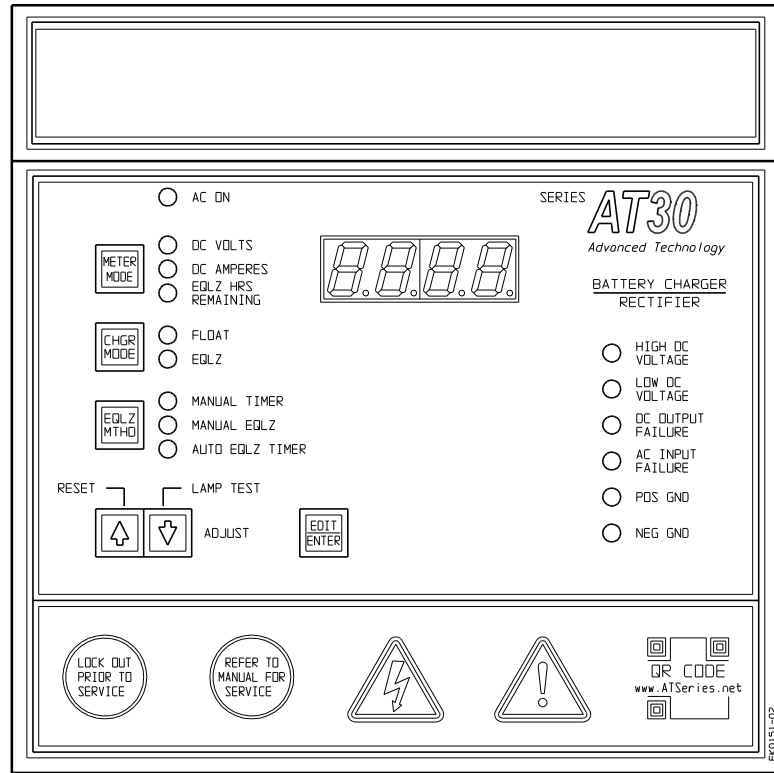


INDICATOR LIGHTS (LEDs):

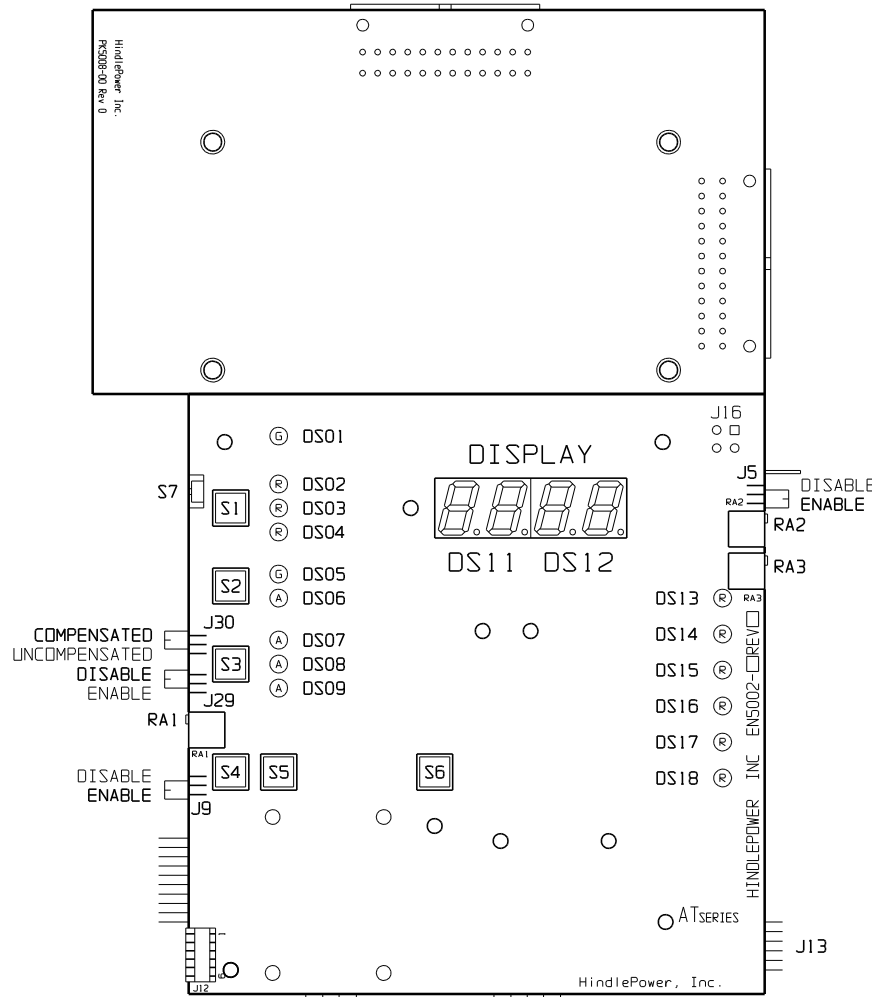
- |                                     |                                |
|-------------------------------------|--------------------------------|
| DS01 - GREEN - AC ON                | DS10 - RED - LOW LEVEL DETECT  |
| DS02 - RED - DC VOLTS               | DS11 - RED - (METER DISPLAY)   |
| DS03 - 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 - POSITIVE GROUND   |
| DS09 - AMBER - AUTO EQUALIZE TIMER  | DS18 - RED - NEGATIVE GROUND   |



INSTRUMENT PANEL  
(PART No. FK0151-01)

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.

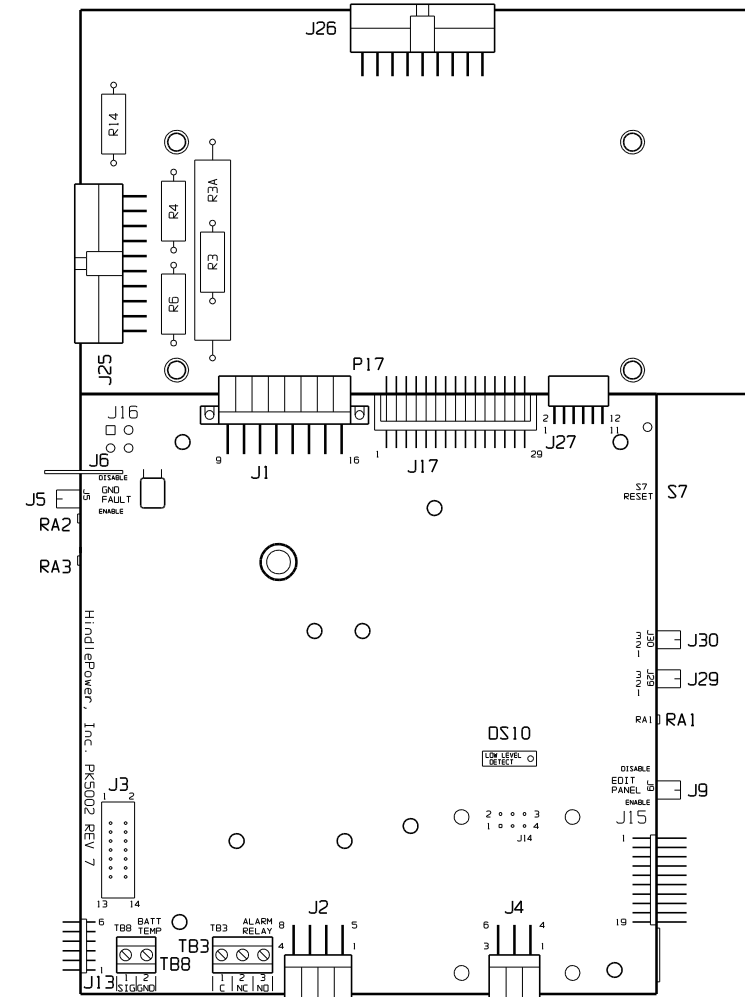
THREE PHASE GATE DRIVER PC BOARD (A15)



MAIN CONTROL PC BOARD (A1)

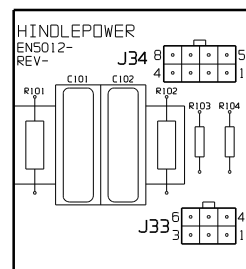
FRONT VIEW - FACING CHARGER DOOR WHEN INSTALLED

THREE PHASE GATE DRIVER PC BOARD (A15)



MAIN CONTROL PC BOARD (A1)

BACK VIEW - FACING CHARGER COMPONENTS WHEN INSTALLED



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

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 - TEMPCO VOLTAGES (COMPENSATED/UNCOMP) SELECTOR

SWITCHES:

- S1 - METER MODE
- S2 - CHARGER MODE
- S3 - EQUALIZE METHOD
- S4 -  $\Delta$  ADJUST
- S5 -  $\nabla$  ADJUST
- S6 - EDIT / ENTER
- S7 - PROCESSOR MANUAL RESET

TERMINAL BLOCKS:

- TB3 - SUMMARY ALARM RELAY CONTACTS
- TB8 - OPTIONAL TEMPCO PROBE (A10) INTERCONNECTOR

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

5	23259	071312	THIRD ANGLE PROJECTION	TITLE AT30 SERIES BATTERY CHARGER (STANDARD) INSTRUMENT PANEL / PC BOARD DETAIL	
4	23006	020812			
3	21922	120209	DRAWN BY MCR 051705	DRAWING No JE5091-30 REV 5 <b>B</b>	
1	21097	041108	ELECTRONIC APPROVAL SIGNATURES MAINTAINED BY MFG ECN LOG		
0	E2044	051705	UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:	SCALE NTS PART No JE5091-30 SHEET 1 OF 1	
REV	ECN No	DATE			