



I/O TERMINAL	DESCRIPTION - TYPE	CONNECTION
TB1(+/-)	POS/NEG DC OUTPUT TERMS - CU-ALUMINUM COMPRESSION LUG	#14-6 AWG
REM SENSE(+/-)	POS/NEG REMOTE SENSE TERMINALS - 10-32 ZPS STUDS	#10 RING LUG
(2) TB1-GND	USER GROUND TERMINAL - CU-ALUMINUM COMPRESSION LUG	#14-6 AWG
TB1-L1/L2	AC INPUT TERMINALS - CU-ALUMINUM COMPRESSION LUG	#14-6 AWG
TB3	SUMMARY ALARM TERMINAL BLOCK - SOLDERLESS COMP SCREW	#22-14 AWG
TB4	AUXILIARY ALARM TERM BLOCK - SOLDERLESS COMP SCREW	#22-14 AWG
TB8	TEMPCO PROBE (A10) TERM BLK - SOLDERLESS COMP SCREW	#22-14 AWG

AT10.1 GROUP I STANDARD COMPONENTS

SYMBOL	DESCRIPTION
A1	MAIN CONTROL PRINTED CIRCUIT BOARD
A3	RECTIFIER GATE DRIVER PC BOARD
A16	RECTIFIER SCR MODULE (NOTE 2)
C4/C5	DC OUTPUT EMI FILTER CAPACITOR (-/+)
CB1	AC INPUT CIRCUIT BREAKER (M/H AIC)
CB2	DC OUTPUT CIRCUIT BREAKER (M/H AIC)
L1	MAIN INDUCTOR
R2	CURRENT RATING RESISTOR
R3	PWR SUPPLY BALLAST RESISTOR (130VDC)
R4	SCALING RESISTOR (POSITIVE LEG)
R6	VOLTAGE CROWBAR RESISTOR
R14	SCALING RESISTOR (NEGATIVE LEG)
T1	POWER ISOLATION TRANSFORMER
TB3	SUMMARY ALARM CONTACTS
TB5	RESISTOR (R4/R6) TERMINAL BLOCK
TB8	TEMPCO PROBE (A10) TERMINAL BLOCK
VR1	DC OUTPUT SURGE SUPPRESSOR (- TO +)
VR2	AC INPUT SURGE SUPPRESSOR (L1 TO L2)

FEATURED AT10.1 GROUP I OPTION COMPONENTS

SYMBOL	DESCRIPTION
A5	AUXILIARY ALARM RELAY PC BOARD
A10	EXTERNAL TEMPERATURE COMPENSATION PROBE
C1	FILTER CAPACITOR
C2	BATTERY ELIMINATOR FILTER CAPACITOR
CR1	POLARITY DIODE
CR2	BLOCKING DIODE
F1	AC INPUT FUSE (480 VAC INPUT ONLY)
L2	FILTER INDUCTOR
R9	FILTER CAPACITOR (C1) BLEED RESISTOR
TB4	AUX RELAY PCB (A5) ALARM TERMINAL BLOCK
VR3	AC LIGHTNING ARRESTOR (LOCATED BEHIND I/O)
A12	COMMUNICATIONS MODULE PC BOARD
R29	COMM MODULE POWER SUPPLY BALLAST RESISTOR

- NOTES:
- FOR DETAIL VIEWS OF ALL PC BOARDS (A1, A5, etc.) SEE DRAWING JE5030-19.
 - GATE DRIVER PC BOARD (A3) AND RECTIFIER SCR MODULE (A16) ARE CONTAINED WITHIN ONE ASSEMBLY EJ5085-00 (LISTED AS "A6" IN PARTS DATA PACKAGE REPORT).
 - SAFETY SHIELD DISPLAYS COMPONENT LAYOUT DIAGRAM, SCHEMATIC & INSTALLATION NOTES.
 - BATTERY ELIMINATOR FILTER CAPACITOR (C2) IS NORMALLY LOCATED IN FRONT OF C1. 130VDC-12ADC THRU 130VDC-25ADC UNITS UTILIZE TWO (2) C1s, THEREFORE C2 IS SHIFTED TO LOWER RIGHT-HAND CORNER OF ENCLOSURE AS SHOWN.
 - IF UNIT FEATURES MEDIUM/HIGH AMPERE INTERRUPTING CAPACITY CIRCUIT BREAKERS, AC (CB1) AND DC (CB2) BREAKERS ARE RELOCATED TO PENTHOUSE ENCLOSURE.
 - TREATMENT NOTES:
 - WIRING AND ELECTRICAL COMPONENTS ARE TREATED WITH FUNGUS-PROOF PROTECTION.
 - WIRING AND ELECTRICAL COMPONENTS ARE TREATED WITH WITH ANTI-STATIC COATING.

3	27436	021020	MCT	 THIRD ANGLE PROJECTION	TITLE AT10.1 SERIES BATTERY CHARGER (OPTIONAL) INTERNAL COMPONENT LAYOUT: STYLE-586/594	
2	E2029	042805	<i>MCR</i>			
1	E1742	091004	GRB	ELECTRONIC APPROVAL SIGNATURES MAINTAINED BY MFG ECN LOG	DRAWING No JE5027-99 REV 3 B	
0	E1154	022703	<i>GRB</i>			UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:
REV	ECN No	DATE	APP	SCALE NTS	PART No JE5027-99	SHEET 1 OF 1