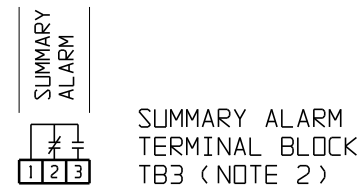


- NOTES:**
- 1) FOR COMPONENT DETAILS OF ALL PC BOARDS (A1, A15, A17, etc.) SEE DRAWING JE5091-3#.
  - 2) ALL ALARM CONTACTS SHOWN IN NON-ALARM STATE. CONTACT RATING IS 0.5A @ 125VAC/VDC RESISTIVE.
  - 3) SCRs (Q1-Q6) ARE CONTAINED WITHIN ONE OR MORE MODULES (A16) FOR MOST RATINGS.
  - 4) RESISTORS R4, R6 & R14 FEATURED INTERNALLY ON GATE DRIVE PC BOARD (A15).
  - 5) BALLAST RESISTORS (R3A/R3B) ARE FEATURED EXTERNALLY AS SHOWN FOR 130VDC UNITS.



STANDARD AT30 COMPONENTS	STANDARD AT30 COMPONENTS	OPTIONAL AT30 COMPONENTS	OPTIONAL AT30 COMPONENTS	SPECIAL NOTES:
A1 MAIN CONTROL PC BOARD (NOTE 1) A15 THREE PHASE GATE DRIVE PC BOARD (NOTE 1) A16 SCR (Q1-Q6) MODULE (NOTE 3) A17A SCR SNUBBER ASSY PC BOARD (NOTE 1) A17B SCR SNUBBER ASSY PC BOARD (NOTE 1) A17C SCR SNUBBER ASSY PC BOARD (NOTE 1)  C4 DC OUTPUT EMI FILTER CAPACITOR (-) TO GROUND C5 DC OUTPUT EMI FILTER CAPACITOR (+) TO GROUND  CB1 AC INPUT CIRCUIT BREAKER CB2 DC OUTPUT CIRCUIT BREAKER  CR4 FREE-WHEELING DIODE  L1 MAIN INDUCTOR  Q1 SILICON-CONTROLLED RECTIFIER (A16A) (NOTE 3) Q2 SILICON-CONTROLLED RECTIFIER (A16A) (NOTE 3) Q3 SILICON-CONTROLLED RECTIFIER (A16B) (NOTE 3) Q4 SILICON-CONTROLLED RECTIFIER (A16B) (NOTE 3) Q5 SILICON-CONTROLLED RECTIFIER (A16C) (NOTE 3) Q6 SILICON-CONTROLLED RECTIFIER (A16C) (NOTE 3)	R1 MAIN DC SHUNT R2 CURRENT RATING RESISTOR R3 POWER SUPPLY BALLAST RESISTOR (NOTE 5) R4 EXTERNAL SCALING RESISTOR (+) (NOTE 4) R6 INTERNAL SCALING RESISTOR (NOTE 4) R14 EXTERNAL SCALING RESISTOR (-) (NOTE 4)  T1 POWER ISOLATION TRANSFORMER  TB1 INPUT/OUTPUT TERMINAL BLOCK TB3 SUMMARY ALARM TERMINAL BLOCK (NOTE 2) TB8 OPTIONAL TEMPCO PROBE (A10) INTERCONNECTOR  VR1 DC OUTPUT SURGE SUPPRESSOR (-) TO (+) VR2 AC INPUT SURGE SUPPRESSOR (LINE 1) VR4 AC INPUT SURGE SUPPRESSOR (LINE 2) VR5 AC INPUT SURGE SUPPRESSOR (LINE 3) VR6 DC OUTPUT SURGE SUPPRESSOR (-) TO GROUND VR7 DC OUTPUT SURGE SUPPRESSOR (+) TO GROUND		R28 THERMOSTAT (S2) SENSING RESISTOR S2 SCR MODULE THERMOSTAT(S) (PART OF A16) B2 SCR MODULE (Q1-Q6) COOLING FAN (PART OF A16)	

THIRD ANGLE PROJECTION		HINDLE POWER		1075 Saint John Street Easton, PA 18042-6661 PH 610-330-9000 FAX 610-330-8510 www.hindlepowerinc.com	
DRAWN BY MCR 061706		TITLE AT30 BATTERY CHARGER MAINFRAME SCHEMATIC: STANDARD W/D OPTIONS			
APPROVED		DRAWING No JE5092-00		REV 0 B	
0	20211	061706	UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:		
REV	ECN No	DATE	APP	SCALE NTS	PART No JE5092-00 SHEET 1 OF 1