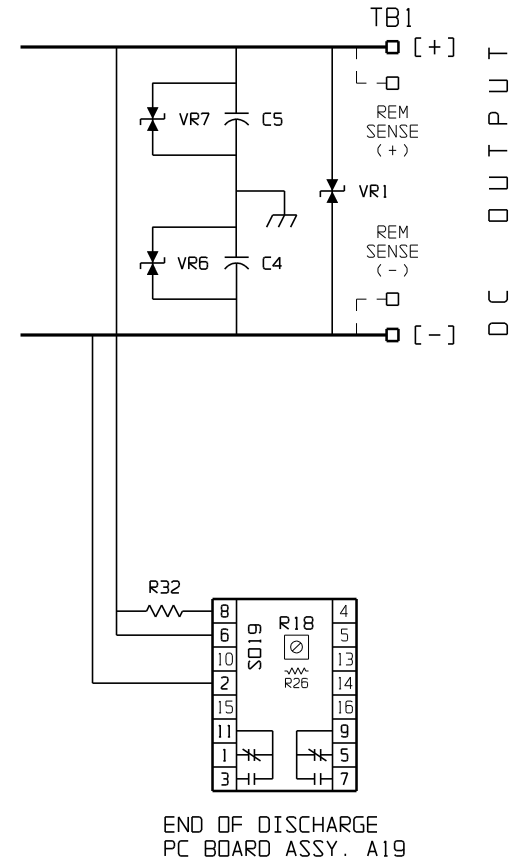


NOTES:

- 1) AT SERIES DC MAINFRAME COMPONENTS (C4/C5/VR6/VR7/TB1) NOT PART OF EJ5137-## OPTION BILL OF MATERIAL, SHOWN FOR REFERENCE PURPOSES ONLY.
- 2) ALL ALARM CONTACTS SHOWN IN NON-ALARM STATE. CONTACT RATING IS 0.5A @ 125VAC/VDC RESISTIVE.
- 3) THE AT SERIES END OF DISCHARGE OPTION IS CONSIDERED "NON-STANDARD". INCLUSION OF THIS OPTION NEGATES THE CSA-NRTL/C LISTING ON CHARGERS IN STYLE-5017, STYLE-5018, AND SYLE-5030 ENCLOSURES.
- 4) THEORY OF OPERATION:
 EJ5137-## AT SERIES END OF DISCHARGE ALARM
 The battery charger is equipped with an end of discharge alarm, which provides a low-limit threshold voltage, set at the lowest safe voltage to which the batteries may be discharged. Sensing and alarm activation is performed by control circuit board (A19). Adjustment for the end of discharge alarm voltage level is performed with an adjustment potentiometer (R18), located on A19. The alarm relays are not latched, and no indicator lamp is provided. One (1) form-c alarm contacts are provided at barrier type terminal block (TB9).
- 5) R32 IS NOT SUPPLIED IN 12VDC OPTION.

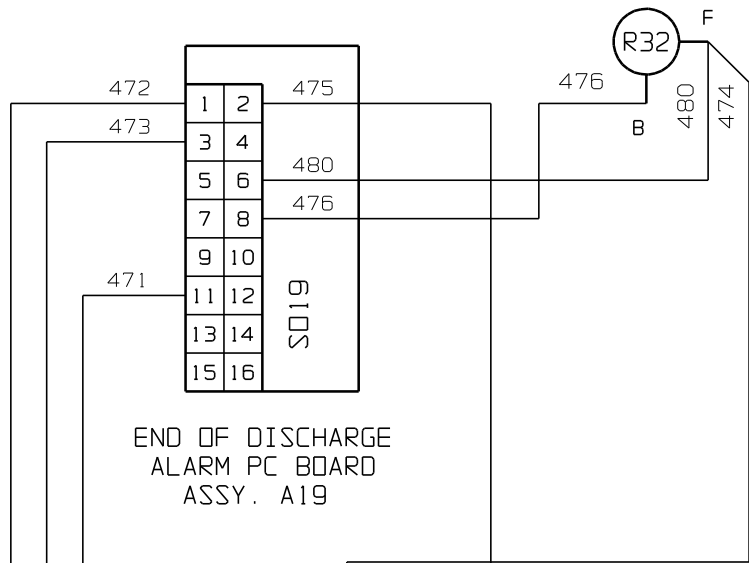


NON-STANDARD ALARM
TERMINAL BLOCK
TB9 (NOTE 2)

EJ5137-## OPTION BOM COMPONENTS:

- A19 END OF DISCHARGE ALARM PC BOARD
- R32 END OF DISCHARGE ALARM CIRCUIT RESISTOR
- TB9 NON-STANDARD ALARM BARRIER AUX TERMINAL BLOCK

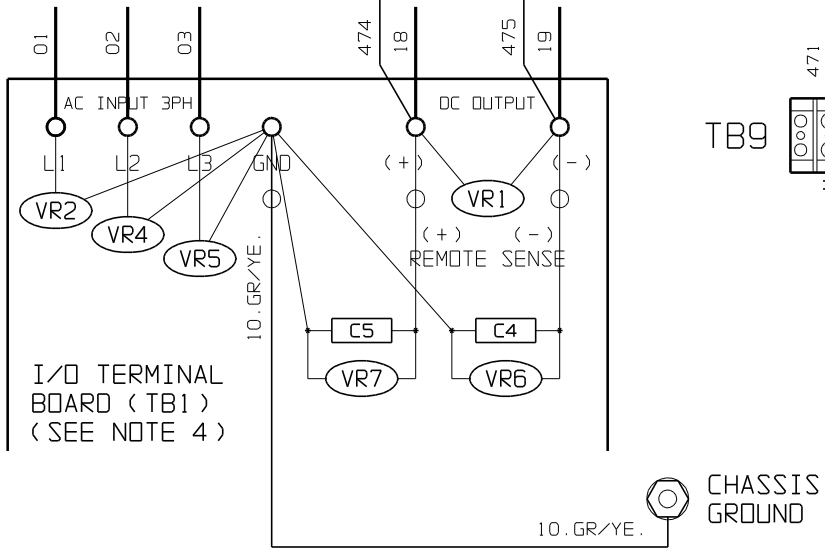
				 THIRD ANGLE PROJECTION		TITLE AT SERIES END OF DISCHARGE ALARM OPTION: SCHEMATIC AND USER OPERATION NOTE												
D	N/A	012910	N/A	DRAWN BY	MCR					072509	DRAWING No		REV	D	A			
C	N/A	110409	N/A	APPROVED	N/A	N/A	UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:		DRAWING No EJ5137-XX									
B	N/A	072509	N/A						SCALE		NTS	PART No		EJ5137-##	SHEET		1	OF
REV	ECN No	DATE	APP															



END OF DISCHARGE
ALARM PC BOARD
ASSY. A19

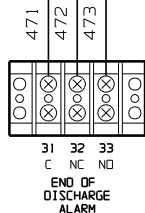
NOTES:

- 1) CHARGER COMPONENTS ARE CONNECTED WITH FLAME-RETARDANT SWITCHBOARD INSULATION SYSTEM (SIS) TYPE WIRING, IDENTIFIED ON EACH END WITH NUMBER-CODED MARKERS. GROUND WIRE #10 IS GREEN WITH YELLOW STRIPE.
- 2) TB9 REMOTE ALARM TERMINAL BLOCK, BARRIER TYPE, 6-32 BINDER HEAD SCREW TERMINALS, WILL ACCEPT LUGS FOR #16-14 AWG WIRE.
- 3) THE AT SERIES END OF DISCHARGE ALARM OPTION IS CONSIDERED "NON-STANDARD". INCLUSION OF THIS OPTION NEGATES THE CSA-NRTL/C LISTING ON CHARGERS IN STYLE-5017, STYLE-5018, AND STYLE-5030 ENCLOSURES.
- 4) AT30 STYLE-5030 I/O PANEL (TB1) ARRANGEMENT SHOWN FOR REFERENCE PURPOSES. EJ5137-## OPTIONS MAY BE INSTALLED INTO AT10.1 OR AT30 STYLE-5017, -5018, -5030, -163, OR -198 ENCLOSURES. WIRE TO TB1(+/-) ACCORDINGLY.
- 5) THIS OPTION MAY BE FEATURED IN UNITS ALONG WITH OTHER "NON-STANDARD" AT SERIES ALARM OPTIONS. USE "BEST JUDGMENT" WHEN COMPONENT MOUNTING CONFLICTS OR SPACING ISSUES OCCUR. SEE ENGINEERING DEPARTMENT WITH ANY QUESTIONS.
- 6) USE RCO053-## MARKING STRIP AND LABEL TB9 REMOTE ALARM CONTACTS "31,32,33" BACK-TO-FRONT OR LEFT-TO-RIGHT AS REQUIRED BY ENCLOSURE.
- 7) ENCLOSURE-SPECIFIC COMPONENT MOUNTING INSTRUCTIONS:
 - A) STYLE-5017/5018:
 - MOUNT A19 & R32 TO GALVANIZED BACK PANEL NEAR FLOOR
 - MOUNT TB9 TO FLOOR & LABEL TERMINALS BACK-TO-FRONT
 - B) STYLE-5030:
 - MOUNT FB5016-0# PHENDLIC PANEL TO UPPER-RIGHT VERTICAL POSTS
 - MOUNT A19, R32 & TB9 TO FB5016-0# & LABEL TERMINALS LEFT-TO-RIGHT
 - C) STYLE-163/198:
 - LOCATE AREA ON REAR MAIN PHENDLIC MOUNTING IN UPPER-RIGHT CORNER
 - MOUNT A19, R32 & TB9 TO PHENDLIC & LABEL TERMINALS LEFT-TO-RIGHT
- 8) R32 AND WIRE #s 476 & 480 ARE NOT REQUIRED IN 12VDC OPTION. WITH 12VDC OPTION, WIRE# 474 CONNECTS A19-SD19-6 DIRECTLY TO TB1(+).



I/O TERMINAL
BOARD (TB1)
(SEE NOTE 4)

TB9



		THIRD ANGLE PROJECTION	
DRAWN BY	MCR	072509	TITLE AT SERIES END OF DISCHARGE ALARM OPTION: CONNECTION DIAGRAM & MECH ASSY NOTES
APPROVED	N/A	N/A	DRAWING No EJ5137-XX
UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:			REV D A
SCALE	NTS	PART No EJ5137-##	SHEET 2 OF 2