

EJ5087-XX

SCR/SCRF Series Battery Charger - CASM PC Board Assy BARRIER TYPE AUXILIARY ALARM CONTACTS (TB15-AUX)

BACKGROUND

The standard remote alarm terminal block (TB15) supplied with the Combined Alarm Status Monitor - CASM option (EJ0837-##) features solderless plug-in terminals, accepting #18-14 AWG wire. With this option (**EJ5087-##**), an auxiliary alarm contact terminal block (TB15-AUX), or blocks (TB15A-AUX & TB15B-AUX), is supplied external to the CASM PC Board assembly (A24).

TB15-AUX is supplied if the customer's remote alarm wiring requirements exceed the specifications of the standard CASM terminal block (TB15). TB15-AUX terminal blocks are "barrier" type and feature 6-32 binder head screw terminals, accepting lugs for #22-16 AWG wire for chargers with standard PVC wire, or lugs for #16-14 AWG wire for chargers with switchboard insulation system (SIS) wire. Contacts 1-18 on TB15-AUX are wired directly to contacts 1-18 of TB15 on A24.

MECHANICAL ASSEMBLY

Use RC0004-## type terminal blocks and RC0054-## type marking strips for chargers with standard PVC wire. Use RC0005-## type terminal blocks and RC0053-## type marking strips for chargers with switchboard insulation system (SIS) wire.

Label the marking strip(s) supplied in the BOM "1-18" from left-to-right. If spare terminals are required, they should be unlabeled at the end (right) of the marking strip(s). Some units may have certain alarm contacts omitted from the auxiliary terminal blocks. Adjust the marking accordingly.

Mount the TB15-AUX terminal block(s) and marking strip(s) supplied in the BOM using floor-stock hardware. If two (2) Form-C auxiliary contacts are required, mount the first terminal block on the supplied bracket (FE0584-XX), and mount the bracket inside the charger. Mount the second terminal block in front or below the first bracket-mounted terminal block.

Label (stamp or decal) the mounted terminal block "TB15-AUX". If two (2) Form-C auxiliary contacts are required, label the mounted terminal blocks "TB15A-AUX" and "TB15B-AUX".

WIRE SPECIFICATIONS

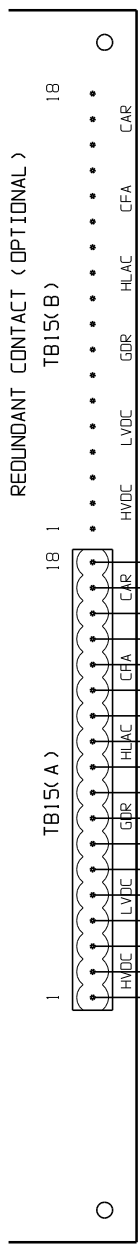
Use #20 AWG for units with standard color-coded PVC wiring. Use #18 AWG black XLP for units with switchboard insulation system (SIS) wiring. Make sure terminal numbers (1-18) are the same at each end of the connecting wires (e.g. TB15-1 to TB15-AUX-1). Do not wire to any spare terminals. If two (2) Form-C auxiliary contacts are required, wire from TB15A to TB15A-AUX and wire from TB15B to TB15B-AUX.

WIRING DIAGRAM

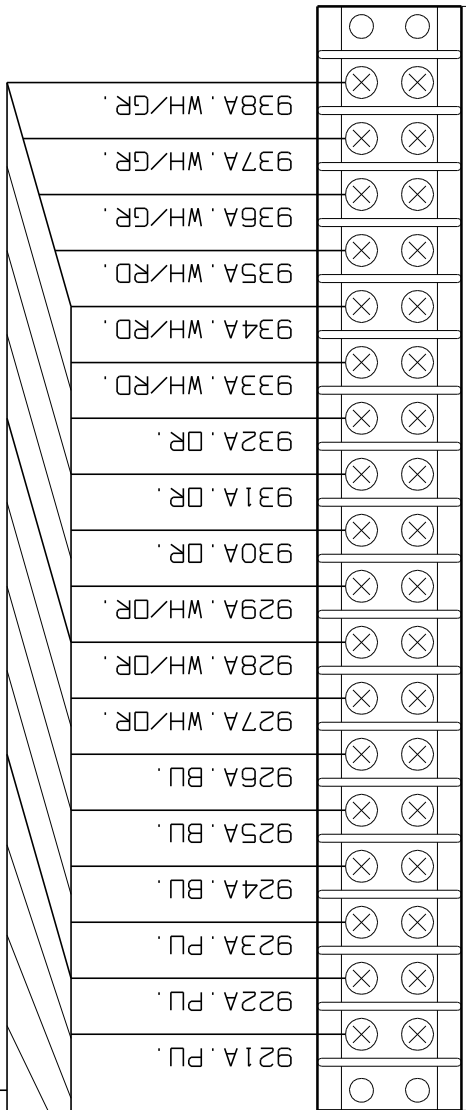
Wire TB15 on the CASM PC Board (A24) to TB15-AUX per the diagram on **Sheet 2 of 4**.

TEST

Check all wiring from TB15 to TB15-AUX. Use the auxiliary terminal block(s) to check the relay contact transfers for all CASM alarms.



BUNDLED WIRE HARNESS



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

C NC NO C NC NO C NC NO C NC NO C NC NO C NC NO C NC NO C NC NO

|| HIGH DC | LOW DC | GROUND | HI/LD AC | CHARGER | TB15 COM |
 || VOLTAGE | VOLTAGE | DETECT | VOLTAGE | FAILURE | ALARM |

CUSTOMER ALARM CONTACTS

NOTE 2

TB15
AUX

NOTE 3

NOTE 1

NOTES:

- 1) USE #20 AWG FOR UNITS WITH STANDARD COLOR-CODED PVC WIRING, OR #18 AWG BLACK XLP FOR UNITS WITH SWITCHBOARD INSULATION SYSTEM (SIS) WIRING.
- 2) USE RC0004-## TYPE TERMINAL BLOCKS FOR CHARGERS WITH STANDARD PVC WIRE, OR RC0005-## TYPE TERMINAL BLOCKS FOR CHARGERS WITH SWITCHBOARD INSULATION SYSTEM (SIS) WIRE.
- 3) USE RC0054-## TYPE MARKING STRIPS FOR CHARGERS WITH STANDARD PVC WIRE, OR RC0053-## TYPE MARKING STRIPS FOR CHARGERS WITH SWITCHBOARD INSULATION SYSTEM (SIS) WIRE.

		1075 Saint John Street Easton, PA 18042-6661 PH 610-330-9000 FAX 610-330-8510 www.hindlepower.inc.com	
TITLE SCR/SCRF SERIES BATT CHGR - CASM PC BOARD BARRIER TYPE AUX ALARM CONTACTS (TB15-AUX)		REV 2	
DRAWING No EJ5087-XX		PART No EJ5087-XX	
SCALE NTS		SHEET 2 OF 4	
THIRD ANGLE PROJECTION 		DRAWN BY MCR	
APPROVED MCT		DATE 032204	
UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:		ECN No E1604	
2 21561 031209		REV 2	
1 21364 102408		DATE	
0 E1604 032204		PART No EJ5087-XX	

EJ5087-XX

OPTION MATRIX

HindlePower Part No	Current Rating	TB15-AUX Block Size	# Of Form-C Contacts	TB15-AUX Part No	Marking Strip P/N(s)	SW42 Toggle Switch(es)	BOM Updated
EJ5087-00	15A	18-pos	1 FORM-C	RC0004-16	RC0054-18	n/a	05/03/04
EJ5087-01	15A	15-pos	1 FORM-C			n/a	
EJ5087-02	15A	3-pos	1 FORM-C			n/a	
EJ5087-03	15A	21-pos	1 FORM-C			n/a	
EJ5087-04	15A	24-pos	1 FORM-C			n/a	
EJ5087-05	15A	(2) 18-pos	2 FORM-C	(2) RC0004-16	(2) RC0054-18	n/a	03/19/04
EJ5087-06	15A	(2) 15-pos	2 FORM-C			n/a	
EJ5087-07	15A	(2) 3-pos	2 FORM-C			n/a	
EJ5087-08	15A	(2) 21-pos	2 FORM-C			n/a	
EJ5087-09	15A	(2) 24-pos	2 FORM-C			n/a	
EJ5087-10							
EJ5087-11							
EJ5087-12							
EJ5087-13							
EJ5087-14							
EJ5087-15							
EJ5087-16							
EJ5087-17							
EJ5087-18							
EJ5087-19							
EJ5087-20	20A	18-pos	1 FORM-C	RC0005-16	RC0053-18	n/a	06/14/05
EJ5087-21	20A	15-pos	1 FORM-C	RC0005-13	RC0053-15	n/a	04/27/04
EJ5087-22	20A	3-pos	1 FORM-C	RC0005-01	RC0053-03	n/a	01/22/05
EJ5087-23	20A	21-pos	1 FORM-C			n/a	
EJ5087-24	20A	24-pos	1 FORM-C	(2) RC0005-10	(2) RC0053-12	n/a	05/13/04
EJ5087-25	20A	(2) 18-pos	2 FORM-C	(2) RC0005-16	(2) RC0053-18	n/a	03/19/04
EJ5087-26	20A	(2) 15-pos	2 FORM-C			n/a	
EJ5087-27	20A	(2) 3-pos	2 FORM-C			n/a	
EJ5087-28	20A	(2) 21-pos	2 FORM-C			n/a	
EJ5087-29	20A	(2) 24-pos	2 FORM-C			n/a	
EJ5087-30							
EJ5087-31							
EJ5087-32							
EJ5087-33							
EJ5087-34							
EJ5087-35							
EJ5087-36							
EJ5087-37							
EJ5087-38							
EJ5087-39	20A	6-pos	1 FORM-C	RC0005-04	RC0053-06	n/a	05/28/04
EJ5087-41							
EJ5087-42							
EJ5087-43							
EJ5087-44							
EJ5087-45							
EJ5087-46							
EJ5087-47							
EJ5087-48							
EJ5087-49							
HindlePower Part No	Current Rating	TB15-AUX Block Size	# Of Form-C Contacts	TB15-AUX Part No	Marking Strip P/N	SW42 Toggle Switch(es)	BOM Updated

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OPTION MATRIX (CONTINUED)

HindlePower Part No	Current Rating	TB15-AUX Block Size	# Of Form-C Contacts	TB15-AUX Part No	Marking Strip P/N	SW42 Toggle Switch(es)	BOM Updated
EJ5087-50	15A	18-pos	1 FORM-C	RC0004-16	RC0054-18	(2) RD0001-04	04/27/04
EJ5087-51	15A	15-pos	1 FORM-C				
EJ5087-52	15A	3-pos	1 FORM-C	RC0004-01	RC0054-03	(1) RD0001-00	03/19/04
EJ5087-53	15A	21-pos	1 FORM-C				
EJ5087-54	15A	24-pos	1 FORM-C				
EJ5087-55	15A	(2) 18-pos	2 FORM-C				
EJ5087-56	15A	(2) 15-pos	2 FORM-C				
EJ5087-57	15A	(2) 3-pos	2 FORM-C				
EJ5087-58	15A	(2) 21-pos	2 FORM-C				
EJ5087-59	15A	(2) 24-pos	2 FORM-C				
EJ5087-60	15A	18-pos	1 FORM-C	RC0004-16	RC0054-18	(1) RD0001-00	06/18/04
EJ5087-61	15A	15-pos	1 FORM-C				
EJ5087-62		see "-52"					
EJ5087-63	15A	21-pos	1 FORM-C				
EJ5087-64	15A	24-pos	1 FORM-C				
EJ5087-65	15A	(2) 18-pos	2 FORM-C				
EJ5087-66	15A	(2) 15-pos	2 FORM-C				
EJ5087-67		see "-57"					
EJ5087-68	15A	(2) 21-pos	2 FORM-C				
EJ5087-69	15A	(2) 24-pos	2 FORM-C				
EJ5087-70	20A	18-pos	1 FORM-C				
EJ5087-71	20A	15-pos	1 FORM-C				
EJ5087-72	20A	3-pos	1 FORM-C				
EJ5087-73	20A	21-pos	1 FORM-C				
EJ5087-74	20A	24-pos	1 FORM-C				
EJ5087-75	20A	(2) 18-pos	2 FORM-C				
EJ5087-76	20A	(2) 15-pos	2 FORM-C				
EJ5087-77	20A	(2) 3-pos	2 FORM-C				
EJ5087-78	20A	(2) 21-pos	2 FORM-C				
EJ5087-79	20A	(2) 24-pos	2 FORM-C				
EJ5087-80	20A	18-pos	1 FORM-C				
EJ5087-81	20A	15-pos	1 FORM-C				
EJ5087-82		see "-72"					
EJ5087-83	20A	21-pos	1 FORM-C				
EJ5087-84	20A	24-pos	1 FORM-C				
EJ5087-85	20A	(2) 18-pos	2 FORM-C				
EJ5087-86	20A	(2) 15-pos	2 FORM-C				
EJ5087-87		see "-77"					
EJ5087-88	20A	(2) 21-pos	2 FORM-C				
EJ5087-89	20A	(2) 24-pos	2 FORM-C				
EJ5087-90							
EJ5087-91							
EJ5087-92							
EJ5087-93							
EJ5087-94							
EJ5087-95							
EJ5087-96							
EJ5087-97							
EJ5087-98							
EJ5087-99							
HindlePower Part No	Current Rating	TB15-AUX Block Size	# Of Form-C Contacts	TB15-AUX Part No	Marking Strip P/N	SW42 Toggle Switch(es)	BOM Updated