

- BOTH SOURCES MUST BE IN PHASE WITHIN $\pm 15^\circ$ (FACTORY DEFAULT, THE PHASE WINDOW IS ADJUSTABLE BY USER) TO ENABLE TRANSFERS. PHASE SEQUENCE IS SET-UP TO BE A-B-C FOR BOTH SOURCES.
- 2 KIRK KEY INTERLOCK: SOURCE 1 & SOURCE 2 BYPASS BREAKERS ARE INTERLOCKED. KIRK KEY REMOVABLE WHEN BREAKER IS LOCKED IN 'OFF' POSITION.
- SOURCE 1 & SOURCE 2 INPUT BREAKERS WILL SHUNT TRIP DUE TO SCR SHORTED FAILURE.
- SCR's OF BOTH POLES ARE MONITORED FOR FAILURES, SHORTED AND OPEN (CONTINUITY MONITOR) CONDITIONS ARE ALARMED WITH APPROPRIATE AUTOMATIC ACTION.
- WHEN SOURCE NEUTRALS ARE BROUGHT TO STS, CONNECTION TO OUTPUT IS SOLID (UN-SWITCHED).
- FUSE (FB3-A) POWERS THE LOGIC WHILE IN BYPASS. FOLLOW OPERATING INSTRUCTIONS FULLY.
- OPTIONAL LOCAL "EMERGENCY POWER OFF" PUSHBUTTON WILL SHUNT TRIP SOURCE 1 AND SOURCE 2 INPUT AND BYPASS BREAKERS.
- ALARM RELAY CONTACTS RATED 2A @ 120VAC OR 28VDC. CONTACTS SHOWN IN DE-ENERGIZED STATE. ALARMS 1-8 ARE PRE-PROGRAMMED. 9-16 ARE PROGRAMMABLE THROUGH GUI. SEE MANUAL FOR ALARM RELAY MAPPING AND PROGRAMMING OPTIONS AND INSTRUCTIONS.
- FOR "USER INTERFACE BOARD" LOCATION REFER TO THE OUTLINE DRAWING.

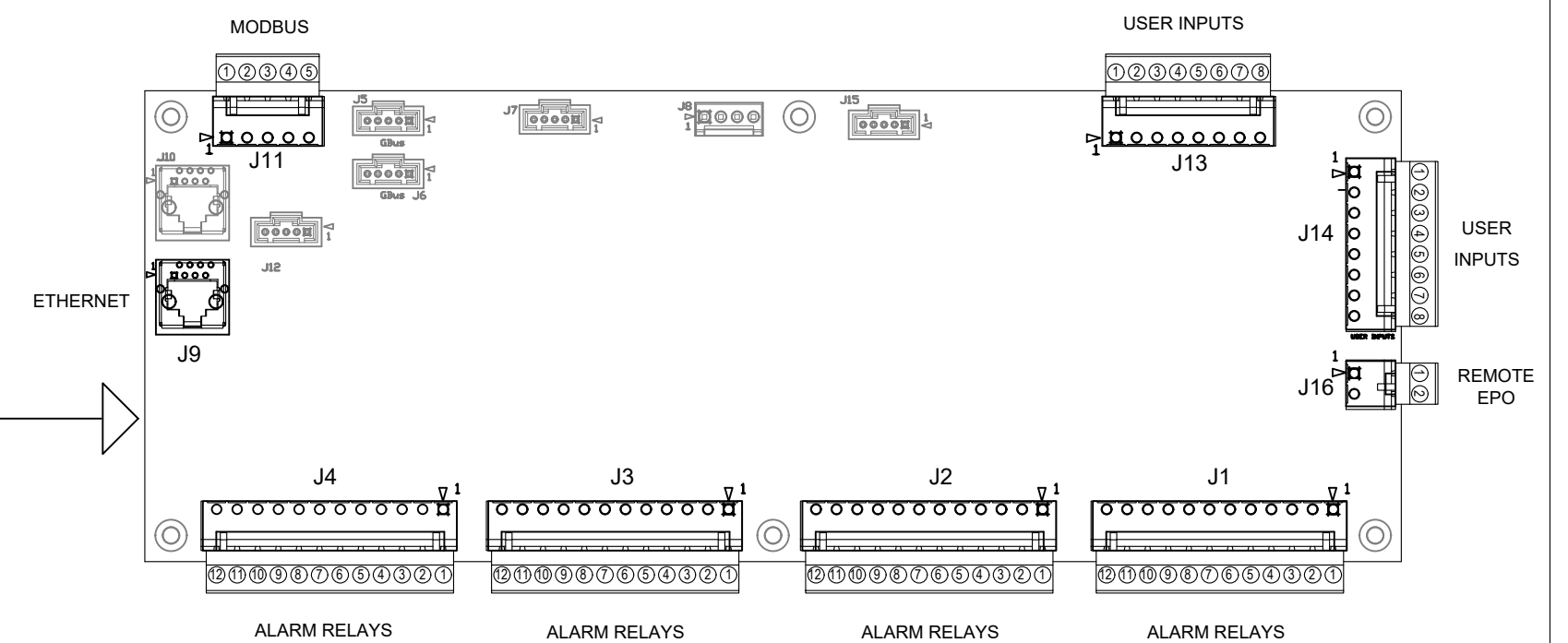
NOTE: EXTERNAL CONTACTS WILL OVERRIDE CERTAIN LCD SCREEN CHOICES DEPENDING ON OPERATOR INPUTS TO THE "LCD SCREEN CONFIGURATION" SCREEN (MENU > OPTIONS > SYSTEM) IN REMOTE I/O BOX OF THAT SCREEN.

IF THE REMOTE I/O CONTACTS BOX IS CHECKED IN THE SYSTEM CONFIG SCREEN, THEN CONNECTOR J-14 PIN 1-2 AND PIN 3-4 WILL CONTROL THE PREFERRED SOURCE. IF PIN 1-2 IS CLOSED AND 3-4 IS OPEN, THEN PREFERRED SOURCE = SOURCE 1 PREFERRED. IF 1-2 IS OPEN AND 3-4 IS CLOSED, THEN PREFERRED SOURCE = SOURCE 2 PREFERRED.

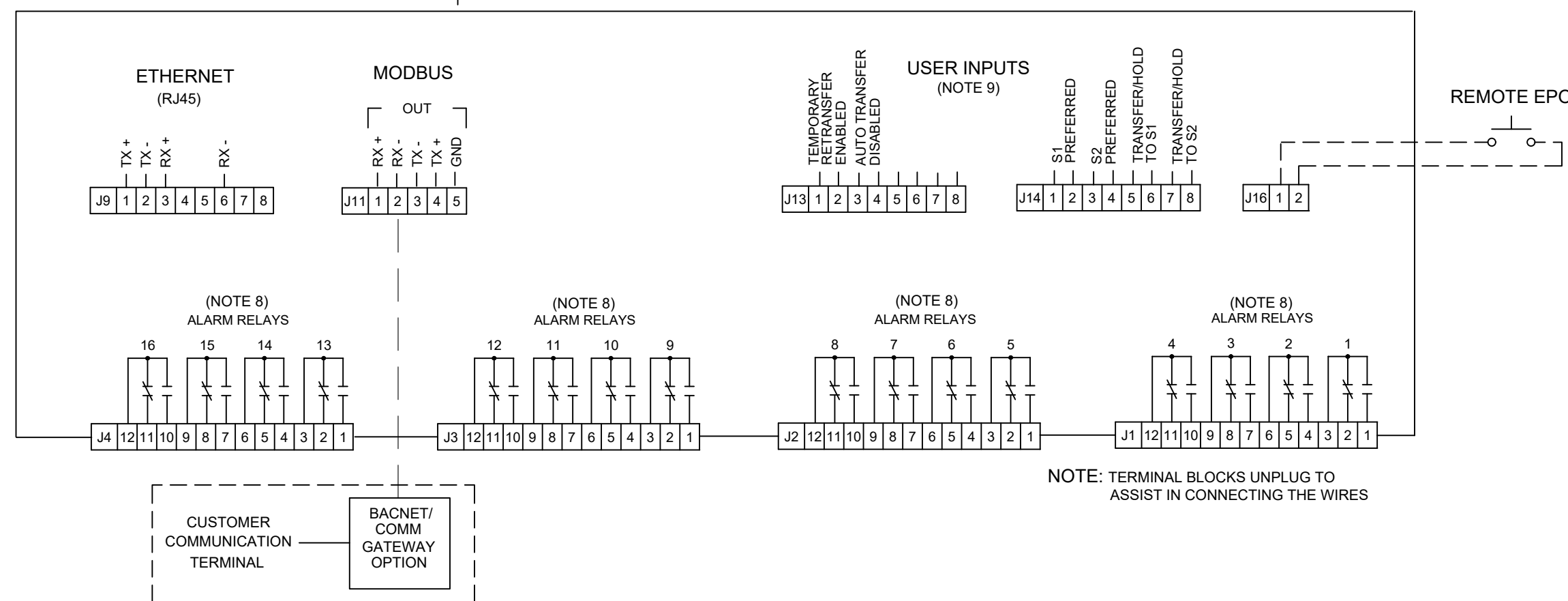
IF THE AUTO TRANSFER BOX IN THE SYSTEM CONFIG SCREEN IS CHECKED, THEN CONNECTOR J-13, PIN 3-4 WILL CONTROL THE AUTO TRANSFER FUNCTION. IF PIN 3-4 IS OPEN THE SWITCH IS IN AUTO TRANSFER. IF PIN 3-4 IS CLOSED THE SWITCH'S AUTO TRANSFER MODE IS OFF.

IF EITHER THE REMOTE I/O CONTACTS BOX OR THE AUTO TRANSFER BOX IS UNCHECKED IN THE SYSTEM CONFIG SCREEN, THE CONTROL OF THAT FUNCTION REMAINS WITH THE LCD SCREEN.

USER INTERFACE BOARD (PHYSICAL LAYOUT)



USER INTERFACE BOARD (NOTE 9)



NOTE: TERMINAL BLOCKS UNPLUG TO ASSIST IN CONNECTING THE WIRES

Rev.	ECN#	Resp.	Description	Date
A0	--	SMR	INITIAL RELEASE	11/22/2019

Revision Table

Prepared S. Roberts	Document Kind ONLINE DIAGRAM	Title ONLINE DIAGRAM SS4 4-POLE	Units Inch	Sheet Size C
Reviewed <Reviewed>	Document Kind ONLINE DIAGRAM	Item ID 94-9100-00068609	Scale N/A	Date Drawn 09/22/2015
Approved <Approved>	Division/Dept. Power Protection	Document ID ONE-00089686	Item Rev. A0	Page 1/1

