



DETAIL "B"

S2A-198(x) RELAY INFORMATION	
RELAY FUNCTION	LOGIC
HVSD	ENERGIZE ON FAIL
LOW DCA	DE-ENERGIZE ON FAIL
HIGH DCV	ENERGIZE ON FAIL
LOW DCV	DE-ENERGIZE ON FAIL
AC POWER FAILURE	DE-ENERGIZE ON FAIL
SUMMARY	DE-ENERGIZE ON FAIL
POSITIVE GROUND	ENERGIZE ON FAIL
NEGATIVE GROUND	ENERGIZE ON FAIL

NOTES:
 1. ALL CONTACTS ON S2A-198(x) BOARD ARE RATED FOR 60VA / 120VAC AND 30VA / 125VDC. (X) REPRESENTS A, B, S OR NO DESIGNATION.
 2. ALL ALARM RELAY CONTACTS ARE SHOWN IN DE-ENERGIZED STATE. PLEASE REFER TO DETAIL "B" FOR ALARM RELAY OPERATION INFORMATION.

- START UP INSTRUCTIONS FOR THE A12B BATTERY CHARGER:
1. MAKE SURE THAT ALL AC AND DC DISCONNECT SWITCHES/BREAKERS ARE IN THE OFF POSITION.
 2. CONNECT AC INPUT LINE TO THE TERMINAL BLOCK PROVIDED.
 3. PRIOR TO CONNECTING THE WIRES FROM THE BATTERY OR LOAD TO THE CHARGER DC TERMINALS, MAKE SURE THEIR POLARITY IS CORRECT.
 4. IF POLARITY IS CORRECT, THEN CONNECT TO CHARGER DC TERMINALS.
 5. TURN ON AC SUPPLY BREAKER TO THE CHARGER.
 6. TURN ON CHARGER AC BREAKER.
 7. WAIT 30 SECONDS, TURN ON CHARGER DC CIRCUIT BREAKER.
 8. NOTE DC OUTPUT VOLTAGE AND ADJUST PER BATTERY REQUIREMENTS.
 9. TURN ON BATTERY DISCONNECT SWITCH/BREAKER (EXTERNAL TO CHARGER)

NUMBER SKIPPED: 111
 LAST WIRE NUMBER USED: 145

N	POT	POTENTIOMETER	C	CAPACITOR	TS	TERMINAL STRIP
O	ACB	AC CIRCUIT BREAKER	OC	OUTPUT CAPACITOR	J	CONNECTOR
M	DCB	DC CIRCUIT BREAKER	ICB	INPUT CAPACITOR	DCA	DC AMPS
E	SP	SURGE PROTECTOR	R	RESISTOR	DCV	DC VOLTS
N	PT	POWER TRANSFORMER	RC	COLLECTOR RESISTOR	SA	SONALERT ALARM
C	CR	CONTROL RELAY	RL	LOAD RESISTOR	SS	SILENCE SWITCH
L	SR	SATURABLE REACTOR	SD	SILICON DIODE	ACASS	AC AMMETER SELECTOR SWITCH
A	CT	CONTROL TRANSFORMER	MOV	METAL OXIDE VARISTOR	ACVSS	AC VOLTMETER SELECTOR SWITCH
T	S	SHUNT	REV	REV. POLARITY FUSE	ACA	AC AMMETER
U	DCSP	DC SURGE PROTECTOR	SF	SECONDARY FUSE	ACV	AC VOLTMETER
R					CCT	CURRENT TRANSFORMER

SCHEMATIC WIRING DIAGRAM FOR A12B
 3 PHASE, 380 UP TO 480VAC, 70 UP TO 130VDC
 OPT 017, 01B, 027, 102, 107, 11V, 14V/W,46A,
 217, COMM CARD, 09M, 09W, 3 SEC. FUSES

106 Bradrock Drive Des Plaines, Illinois U.S.A. 60018

Dwg By	AH	App By	TK	App By	TK
Dwg Date	11-26-19	Iss Date	02-14-20	Scale	NONE
Sheet	1 of 1	Size	D	Dwg No	E1029-1444-2

ADDED PHASES TO INPUT

By	DN	TK	TK	05-13-20	05-13-20	22566
Rev Description						