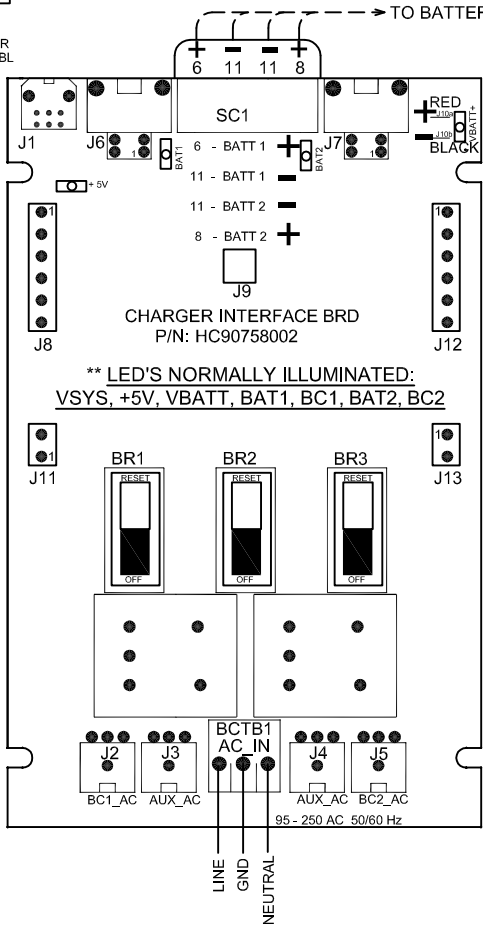


*** WIRE SIZES -**

SC1 TERMINALS 6, 8 AND 11 TO TERMINAL BLOCK ON ENGINE LINEAR FEET OF WIRE		MINIMUM WIRE SIZE
UP TO 25' (7.62m)		#10 AWG
25' TO 50' (7.62m-15.24m)		#8 AWG
MAXIMUM WIRE GAUGE	TERMINAL	MAX. TORQUE
10AWG / 5.3mm	BCTB1	7.0 in-lbs / 0.8 N-m
16AWG / 1.3mm	TB1	5.3 in-lbs / 0.6 N-m
16AWG / 1.3mm	IN1 THRU IN12	5.3 in-lbs / 0.6 N-m
12AWG / 3.3mm	J4 & J5	5.3 in-lbs / 0.6 N-m

- NOTES:**
- USE COPPER STRANDED CONDUCTORS ONLY.
 - SINGLE CONDUCTOR PER TERMINAL RECOMMENDED.
 - IF MULTIPLE CONDUCTORS ARE USED, THEN TOTAL WIRE GAUGE CANNOT BE EXCEEDED.
 - FIELD CONNECTION WIRING INSULATION MINIMUM VOLTAGE RATING = 300V.
 - FIELD WIRING CONDUIT CONNECTORS REQUIRES THE SAME TYPE RATING AS THE ENCLOSURE.
 - * VAC INPUT AND BATTERY VOLTAGE WILL BE DETERMINED BY CHARGER SELECTION.
 - FIELD CONNECTION INPUTS (IN1-IN12) ARE DRY CONTACT INPUTS.
 - OPTIONAL RELAY BOARD IF SPECIFIED ON ORDER. ALL RELAY CONTACTS SHOWN IN THE UNENERGIZED STATE CONTACTS ARE RATED 10 AMPS @ 220VAC. CONTROL SWITCH IS IN "AUTO" POSITION.



*** NOTE**
AC INPUT VOLTAGE MUST MATCH CHARGER AC INPUT VOLTAGE.
BATTERY VOLTAGE MUST MATCH CHARGER OUTPUT VOLTAGE.

- ** NOTE**
NORMAL CONDITIONS:
- ON/RESET SWITCH IS ON
 - AUTO MODE
 - SYSTEM PRESSURE IS IN NORMAL RANGE
 - NO REMOTE START



K				LINEAR	HOLE	ANGLES	STANDARD FIELD CONNECTION DIESEL ENGINE FIRE PUMP CONTROLLER 12/24 VOLTS-DC, 120/220 VOLTS-AC INPUT
J			0.X = ±.050	PUNCH ±.002	DIMEN. ± 1°		
H			0.XX = ±.020	DRILL ≤ .50 ±.002	UNDIM.		
			0.XXX = ±.005	DRILL > .50 ±.002	90° ±2°		
G	11/28/11	SJ	UPDATED CUST.CONN. / ADDED NOTES 1 & 2 - PER ECN# 00116	CADD NO. HCD5000AF00		DATE 11/10/09	DR. SJ
F	07/22/11	DAMA	ADDED UL LOGO, ECN #A11-00078.	Hubbell Industrial Controls, Inc. 4301 Cheyenne Drive, Archdale, N.C. 27263		DRG. NO.	CK. REF.
Rev.	DATE	BY	DESCRIPTION			1 OF 1	A-HCD5000AF00