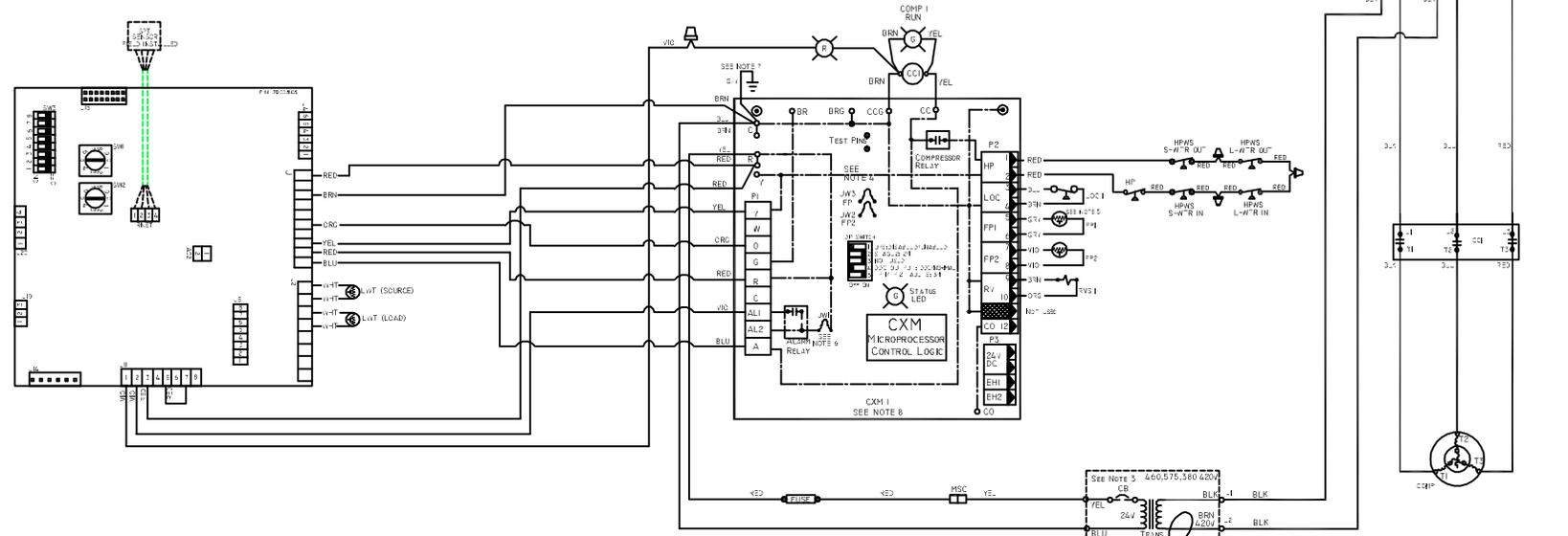


POWER SUPPLY REFER TO DATA PLATE
USE COPPER CONDUCTORS ONLY.
SEE NOTE 2



PRIMARY VOLTAGE	PRIMARY LEAD COLOR
208	BLK
230	BLK
380	BLK
460	BLK
575	BLK/BRN
600	BLK



LEGEND

	FACTORY LINE VOLTAGE WIRING
	FACTORY LOW VOLTAGE WIRING
	FIELD LINE VOLTAGE WIRING
	FIELD LOW VOLTAGE WIRING
	PRINTED CIRCUIT TRACE
	RELAY CONTACTOR COIL
	SOLENOID COIL
	THERMISTOR
	GROUND
	INDICATOR LIGHT G=GREEN, R=RED (COMP ON) (ALARM LIGHT)
	WIRE NUT
	MATE-N-LOCK
	CIRCUIT BREAKER
	HIGH PRESSURE SWITCH
	HIGH PRESSURE WATER SWITCH
	LOW PRESSURE SWITCH
	TEMPERATURE SWITCH
	POSITIVE TEMPERATURE COEFFICIENT RELAY
	FUSE
	SPLICE CAP

AL	ALARM RELAY CONTACTS
CB	CIRCUIT BREAKER
CC	COMPRESSOR CONTACTOR
FPI	SENSOR, SOURCE LOW TEMP. PROTECTION
FP2	SENSOR, LOAD LOW TEMP. PROTECTION
HP	HIGH PRESSURE SWITCH
HPWR	HIGH PRESSURE WATER RELAY
HPWS	HIGH PRESSURE WATER SWITCH
LOC	LOSS OF CHARGE PRESSURE SWITCH
JW4	JUMPER WIRE FOR ALARM
PI	FIELD WIRING TERMINAL BLOCK
PDB	POWER DISTRIBUTION BLOCK
RVS	REVERSING VALVE SOLENOID
TRANS	TRANSFORMER
*	OPTIONAL

NOTES:

- COMPRESSOR MOTOR THERMALLY PROTECTED INTERNALLY.
- ALL WIRING TO THE UNIT MUST COMPLY WITH NEC AND LOCAL CODES.
- POWER SUPPLY: 460V,575V, & 380-420V - TRANS IS FACTORY WIRED FOR 460V,575V & 380V POWER SUPPLY WITH WIRE LEAD COLORS AS SHOWN IN THE CHART. FOR 380-420V UNITS WITH 420V POWER SUPPLY DISCONNECT VIO TRANS LEAD AT LI AND CONNECT BRN LEAD IN PLACE OF IT. THE TRANSFORMER IS 75VA AND IS PROTECTED WITH A CIRCUIT BREAKER IN THE SECONDARY CIRCUIT.
- POWER SUPPLY: 208-230V - TRANS IS FACTORY WIRED FOR 208V POWER SUPPLY. FOR 230V POWER SUPPLY, DISCONNECT RED LEAD AT H2 AND RECONNECT IT AT H3. THE TRANSFORMER IS 150VA AND IS PROTECTED WITH PRIMARY & SECONDARY FUSES.
- FPI THERMISTOR PROVIDES LOW TEMP PROTECTION FOR SOURCE WATER. WHEN USING ANTI-FREEZE SOLUTIONS, CUT JW3 JUMPER.
- 24V ALARM SIGNAL SHOWN. FOR DRY CONTACT, CUT JW1 AND DRY CONTACT ALARM WILL BE AVAILABLE BETWEEN AL1 & AL2.
- TRANSFORMER SECONDARY GROUND VIA GRN/YEL WIRE FROM BOARD C TO CONTROL BOX.
- SUFFIX 1 DESIGNATES ASSOCIATION WITH LEAD COMPRESSOR, SUFFIX 2 WITH LAG COMPRESSOR. EXCEPTION AL1, AL2, FPI, FP2 ARE PER LEGEND.
- REFER TO MPC, LON, OR TSTAT INSTALLATION, APPLICATION, AND OPERATION MANUAL FOR CONTROL WIRING TO THE UNIT. LOW VOLTAGE WIRING MUST BE "CLASS 1" AND VOLTAGE RATED EQUAL OR GREATER THAN UNIT SUPPLY VOLTAGE.

CXM CONTROLLER FAULT CODES		
DESCRIPTION OF OPERATION	LED	ALARM RELAY
NORMAL MODE	ON	OPEN
NORMAL MODE W/ UPS WARNING	ON	CYCLE (CLOSED 5 SEC. OPEN 25 SEC.)
CXM IS NON-FUNCTIONAL	OFF	OPEN
FAULT RETRY	SLOW FLASH	OPEN
LOCKOUT	FAST FLASH	CLOSED
OVER/UNDER VOLTAGE SHUTDOWN	SLOW FLASH	OPEN (CLOSED AFTER 15 MIN.)
TEST MODE-NO FAULT IN MEMORY	FLASHING CODE 1	CYCLING CODE 1
TEST MODE-HP FAULT IN MEMORY	FLASHING CODE 2	CYCLING CODE 2
TEST MODE-LP FAULT IN MEMORY	FLASHING CODE 3	CYCLING CODE 3
TEST MODE-FPI FAULT IN MEMORY	FLASHING CODE 4	CYCLING CODE 4
TEST MODE-FP2-FAULT IN MEMORY	FLASHING CODE 5	CYCLING CODE 5
TEST MODE-CO FAULT IN MEMORY	FLASHING CODE 6	CYCLING CODE 6
TEST MODE-OVER/UNDER SHUTDOWN IN MEMORY	FLASHING CODE 7	CYCLING CODE 7
TEST MODE-UPS IN MEMORY	FLASHING CODE 8	CYCLING CODE 8
SWAPPED FPI/FP2 LOCKOUT	FLASHING CODE 9	CYCLING CODE 9

- STATUS LED (GREEN) : SLOW FLASH - CONTROLLER IN FAULT RETRY MODE, FAST FLASH - CONTROLLER IN LOCKOUT MODE SLOW FLASH = 1 FLASH PER EVERY 2 SECONDS. FAST FLASH = 2 FLASHES PER EVERY 1 SECOND.
- FAULT LED (RED) FLASHES A CODE REPRESENTING LAST FAULT IN MEMORY. IF NO FAULT IN MEMORY, CODE 1 IS FLASHED.
- CYCLES APPROPRIATE CODE, BY CYCLING ALARM RELAY IN THE SAME SEQUENCE AS FAULT LED.
- ALARM RELAY CLOSES AFTER 15 MINUTES.
- ALARM RELAY CYCLES : CLOSED FOR 5 SECONDS AND OPEN FOR 25 SECONDS. . . .