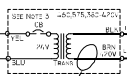
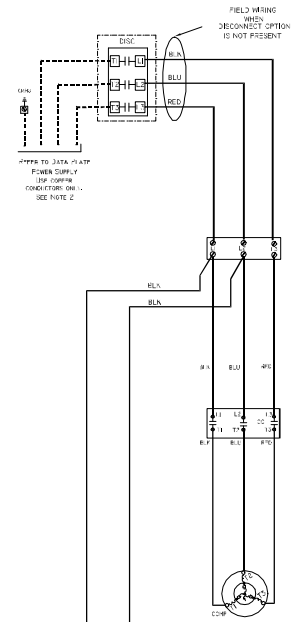
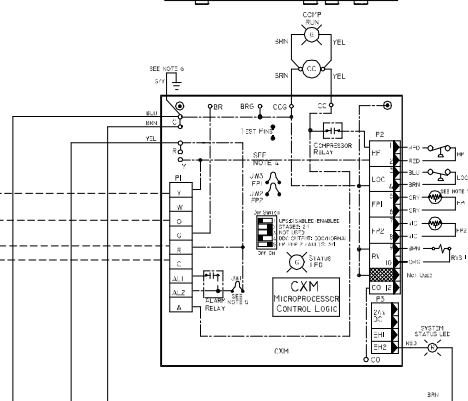
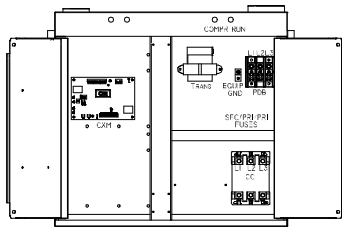
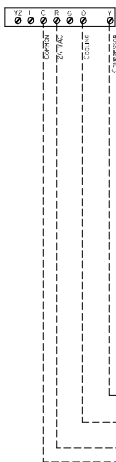























TYPICAL INPUT WIRING 1-STAT
SEE NOTE 2



PROT. DR. NO.	PRIMARY	SECONDARY
100	173.3 KVA 480V	24V
101	100	24V
102	100	24V
103	100	24V
104	100	24V
105	100	24V

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
	LOW PRESSURE SWITCH
	TEMPERATURE SWITCH
	POSITIVE TEMPERATURE COEFFICIENT RELAY
	FUSE
	SPLICE CAP

AL	ALARM RELAY CONTACTS
CB	CIRCUIT BREAKER
CC	COMPRESSOR CONTACTOR
DISC	UNIT DISCONNECT
FPI	SENSOR, SOURCE LOW TEMP. PROTECTION
FP2	SENSOR, LOAD LOW TEMP. PROTECTION
HP	HIGH PRESSURE 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.
- 208/230V TRANSFORMERS WILL BE CONNECTED FOR 208V OPERATIONS, FOR 230V OPERATIONS, DISCONNECT RED LEAD AT LI, AND ATTACH ORANGE LEAD TO LI. CLOSE OPEN END OF RED LEAD WITH INSULATING TAPE. 380-420V TRANS WILL BE CONNECTED FOR 380V OPERATION. FOR 420V OPERATION, DISCONNECT VIO LEAD AT LI AND ATTACH BRN LEAD TO LI. INSULATE OPEN END OF VIO LEAD.
- 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.
- REFER TO MPC, LON, OR TSTAT INSTALLATION, APPLICATION, AND OPERATION MANUAL FOR CONTROL WIRING TO THE UNIT. LOW VOLTAGE WIRING MUST BE "CLASS I" 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 CLOSSES AFTER 15 MINUTES.
- ALARM RELAY CYCLES : CLOSED FOR 5 SECONDS AND OPEN FOR 25 SECONDS. . . .