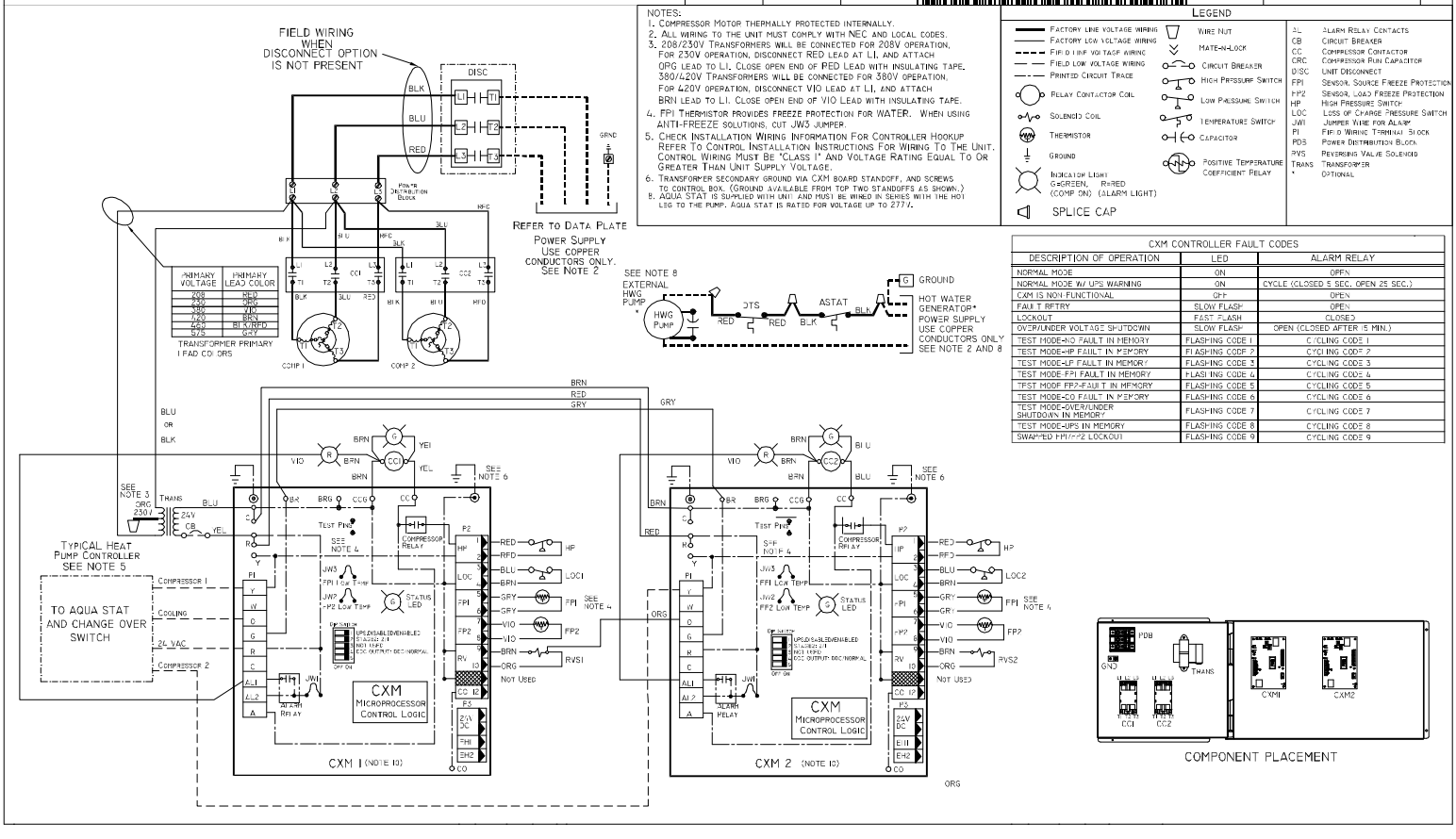
W/W SIZE-120 (208-230/60/3 460/60/3 575/60/3 380-420/50/3) CXM COM.	14-0064	2/7/14	96B0225N03	A

NOTES:
1. COMPRESSOR MOTOR THERMALLY PROTECTED INTERNALLY.
2. ALL WIRING TO THE UNIT MUST COMPLY WITH NEC AND LOCAL CODES.
3. 208/230V TRANSFORMERS WILL BE CONNECTED FOR 208V OPERATION. FOR 230V OPERATION, DISCONNECT RED LEAD AT L1, AND ATTACH ORG LEAD TO L1. CLOSE OPEN END OF RED LEAD WITH INSULATING TAPE. 380/420V TRANSFORMERS WILL BE CONNECTED FOR 380V OPERATION. FOR 420V OPERATION, DISCONNECT VIO LEAD AT L1, AND ATTACH BRN LEAD TO L1. CLOSE OPEN END OF VIO LEAD WITH INSULATING TAPE.
4. FPI THERMISTOR PROVIDES FREEZE PROTECTION FOR WATER. WHEN USING ANTI-FREEZE SOLUTIONS, CUT JW3 JUMPER
5. CHECK INSTALLATION WIRING INFORMATION FOR CONTROLLER HOOKUP REFER TO CONTROL INSTALLATION INSTRUCTIONS FOR WIRING TO THE UNIT. CONTROL WIRING MUST BE "CLASS 1" AND VOLTAGE RATING EQUAL TO OR GREATER THAN UNIT SUPPLY VOLTAGE.
6. TRANSFORMER SECONDARY GROUND VIA CXM BOARD STANDOFF, AND SCREWS TO CONTROL BOX. (GROUND AVAILABLE FROM TOP TWO STANDOFFS AS SHOWN.)
8. AQUA STAT IS SUPPLIED WITH UNIT AND MUST BE WIRED IN SERIES WITH THE HOT LEG TO THE PUMP. AQUA STAT IS RATED FOR VOLTAGE UP TO 277V.

LEGEND

FACTORY LINE VOLTAGE WIRING	WIRE NUT	AL	ALARM RELAY CONTACTS
FACTORY LOW VOLTAGE WIRING	MATE-N-LOCK	CB	CIRCUIT BREAKER
FIELD LINE VOLTAGE WIRING	CIRCUIT BREAKER	CC	COMPRESSOR CONTACTOR
FIELD LOW VOLTAGE WIRING	HIGH PRESSURE SWITCH	CRC	COMPRESSOR RUN CAPACITOR
PRINTED CIRCUIT TRACE	LOW PRESSURE SWITCH	DISC	UNIT DISCONNECT
RELAY CONTACTOR COIL	TEMPERATURE SWITCH	FPI	SENSOR, SOURCE FREEZE PROTECTION
SOLENOID COIL	CAPACITOR	FP2	SENSOR, LOAD FREEZE PROTECTION
THERMISTOR	POSITIVE TEMPERATURE COEFFICIENT RELAY	HP	HIGH PRESSURE SWITCH
GROUND		LOC	LOSS OF CHARGE PRESSURE SWITCH
INDICATOR LIGHT GREEN, RED (COMP ON) (ALARM LIGHT)		JWI	JUMPER WIRE FOR ALARM
SPLICE CAP		PI	FIELD WIRING TERMINAL STRIP
		PDB	POWER DISTRIBUTION BLOCK
		RVS	REVERSING VALVE SOLENOID
		TRANS	TRANSFORMER
		*	OPTIONAL

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