



LEGEND

	FACTORY LOW VOLTAGE WIRING		WIRE NUT		OPTION JUMPER - FIELD CLIPPED		COMPRESSOR CONTACTOR		REVERSING VALVE COIL
	FACTORY LINE VOLTAGE WIRING		FIELD WIRE LUG		TEST PINS		SENSOR CONDENSATE OVERFLOW		DIP SWITCH, 2 POSITION
	FIELD LOW VOLTAGE WIRING		CIRCUIT BREAKER		GROUND		ELECTRIC HEAT RELAYS		THERMAL SWITCH
	FIELD LINE VOLTAGE WIRING		CONDENSATE PAN		AQUA STAT		PSC FAN MOTOR		TRANSFORMER
	OPTION BLOCK		RELAY CONTACTS - N.O.		ASTAT		WATER & ANTI-FREEZE PROTECTOR		
	DC VOLTAGE / PCB TRACES		RELAY CONTACTS - N.C.		BR		HEATING ELEMENTS		
	RELAY / CONTACTOR COIL		RELAY CONTACTS - N.C.		CB		CLIPPABEL FIELD SELECTION JUMPER		
			RELAY CONTACTS - N.O.		HP		HIGH PRESSURE SWITCH		
			RELAY CONTACTS - N.C.		LOC		LOSS OF CHARGE PRESSURE SWITCH		
			RELAY CONTACTS - N.O.		PBI, PB2		PUMP POWER TERMINAL BLOCKS		
			RELAY CONTACTS - N.C.		PSC		PERMANENT SPLIT CAPACITOR		

- NOTES:**
1. COMPRESSOR AND BLOWER MOTOR THERMALLY PROTECTED INTERNALLY.
 2. ALL WIRING TO THE UNIT MUST COMPLY WITH NEC AND LOCAL CODES.
 3. ON 208/230V UNITS, SWITCH ORG AND RED WIRES FOR 208V OPERATION.
 4. FPI THERMISTOR PROVIDES FREEZE PROTECTION FOR WATER. WHEN USING ANTI-FREEZE SOLUTIONS, CUT JW3 JUMPER.
 5. CHECK INSTALLATION WIRING INFORMATION FOR SPECIFIC THERMOSTAT HOOKUP REFER TO THERMOSTAT INSTALLATION INSTRUCTIONS FOR WIRING TO THE UNIT. T-STAT WIRING MUST BE "CLASS I" AND VOLTAGE RATING EQUAL TO OR GREATER THAN UNIT SUPPLY VOLTAGE.
 6. 24V ALARM SIGNAL SHOWN. FOR DRY ALARM CONTACT, CUT JW1 JUMPER AND DRY CONTACT WILL BE AVAILABLE BETWEEN AL1 AND AL2.
 7. TRANSFORMER SECONDARY GROUND VIA CXM BOARD STANDOFFS & SCREWS TO CONTROL BOX. (GROUND AVAILABLE FROM TOP TWO STANDOFFS AS SHOWN.)
 8. HWG PUMP ONLY IN MODELS WITH HOT WATER GENERATION AND INTERNAL PUMP OPTION.
 9. FOR AUXILIARY STAGING OPTIONS, CONSULT AG SERIES ELECTRIC HEAT INSTALLATION MANUAL.
 10. FAN MOTORS FACTORY WIRED FOR MEDIUM SPEED. FOR HIGH OR LOW SPEED REMOVE BLU WIRE FROM FAN MOTOR SPEED TAP "M" AND CONNECT TO "H" FOR HIGH OR "L" FOR LOW.

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

