W/W 120 208/230/60/3, 460/60/3, 380-420/50/3, 575/60/3 DXM COM.

FILE	DATE	DRAWING NO.	REV
13-0674	12/6/13	96B0225N06	-

NOTES:

1. COMPRESSOR MOTOR THERMALLY PROTECTED INTERNALLY.
2. ALL WIRING TO THE UNIT MUST COMPLY WITH NEC AND LOCAL CODES.
3. 208/230V TRANSFORMER 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.
4. FP1 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 DXM 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

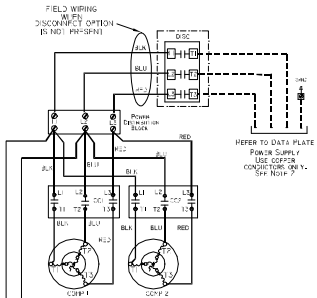
- FACTORY LINE VOLTAGE WIRING
- FACTORY LOW VOLTAGE WIRING
- FIELD LINE VOLTAGE WIRING
- FIELD LOW VOLTAGE WIRING
- PRINTED CIRCUIT TRACE
- RELAY CONTACTOR COIL
- SOLENOID COIL
- THERMISTOR
- GROUND
- INDICATOR LIGHT (G=GREEN, R=RED (COMP ON) (A=ALARM LIGHT)
- SPLICE CAP
- WIRE NUT
- MATE-N-LOCK
- CIRCUIT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

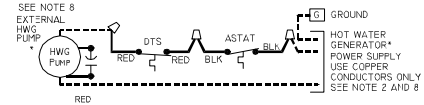
AL	ALARM RELAY CONTACTS
CB	CIRCUIT BREAKER
CC	COMPRESSOR CONTACTOR
CRC	COMPRESSOR RUN CAPACITOR
DISC	UNIT DISCONNECT
FP1	SENSOR, SOURCE FREEZE PROTECTION
FP2	SENSOR, LOAD FREEZE PROTECTION
HP	HIGH PRESSURE SWITCH
LOC	LOSS OF CHARGE PRESSURE SWITCH
JW1	JUMPER WIRE FOR ALARM
FI	FIELD WIRING TERMINAL BLOCK
PB1	POWER BLOCK
PDB	POWER DISTRIBUTION BLOCK
RVS	REVERSING VALVE SOLENOID
TRANS	TRANSFORMER
*	OPTIONAL

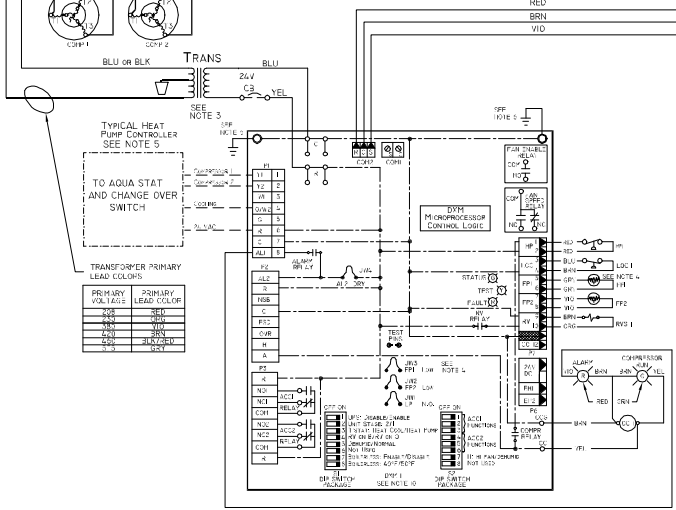
DXM CONTROLLER FAULT CODES

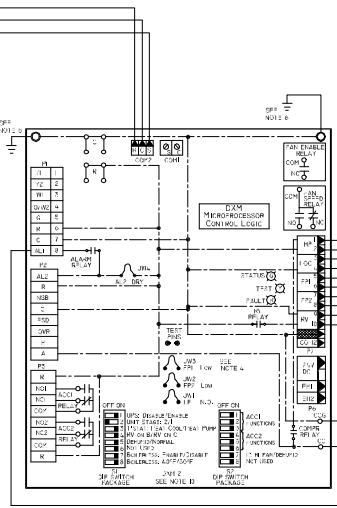
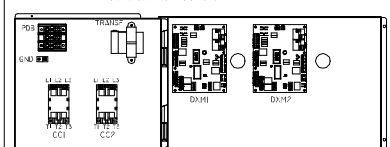
OPERATION	STATUS LED (GREEN)	TEST LED (YELLOW)	FAULT LED (RED)	ALARM RELAY
NORMAL MODE	ON	OFF	NOTE 2	OPEN
DXM IS NON-FUNCTIONAL	OFF	OFF	OFF	OPEN
TEST MODE	-	ON	NOTE 2	CYCLE (NOTE 3)
NIGHT SETBACK	FLASHING CODE 2	-	NOTE 2	-
EMERGENCY SHUT DOWN	FLASHING CODE 3	-	NOTE 2	-
INVALID T-STAT INPUTS	FLASHING CODE 4	-	NOTE 2	-
NO FAULT IN MEMORY	ON	OFF	FLASHING CODE 1	OPEN
HP FAULT / (LOCKOUT) NOTE: 1	SLOW FLASH/ (FAST FLASH)	OFF	FLASHING CODE 2	OPEN / (CLOSED)
LP FAULT / (LOCKOUT) NOTE: 2	SLOW FLASH/ (FAST FLASH)	OFF	FLASHING CODE 3	OPEN / (CLOSED)
FP1 FAULT / (LOCKOUT) NOTE: 1	SLOW FLASH/ (FAST FLASH)	OFF	FLASHING CODE 4	OPEN / (CLOSED)
FP2 FAULT / (LOCKOUT) NOTE: 1	SLOW FLASH/ (FAST FLASH)	OFF	FLASHING CODE 5	OPEN / (CLOSED)
CO FAULT / (LOCKOUT) NOTE: 1	SLOW FLASH/ (FAST FLASH)	OFF	FLASHING CODE 6	OPEN / (CLOSED)
OVER-UNDER VOLTAGE	SLOW FLASH	OFF	FLASHING CODE 7	OPEN(NOTE4)
NORMAL MODE IN UPS	ON	OFF	FLASHING CODE 8	CYCLE (NOTE5)
SWAPPED FP1/FP2 LOCKOUT	FAST FLASH	OFF	FLASHING CODE 9	CLOSED

1. STATUS LED (GREEN) : SLOW FLASH - CONTROL FP IN FAULT RETRY MODE. FAST FLASH - CONTROL FP IN LOCKOUT MODE SLOW FLASH = 1 FLASH PER EVERY 2 SECONDS. FAST FLASH = 2 FLASHES PER EVERY 1 SECOND.
2. FAULT LED (RED) FLASHES A CODE REPRESENTING LAST FAULT IN MEMORY. IF NO FAULT IN MEMORY, CODE 1 IS FLASHED.
3. CYCLES APPROPRIATE CODE, BY CYCLING ALARM RELAY IN THE SAME SEQUENCE AS FAULT LED.
4. ALARM RELAY CLOSES AFTER 13 MINUTES.
5. ALARM RELAY CYCLES ; CLOSED FOR 5 SECONDS AND OPEN FOR 25 SECONDS. . . .









COMPONENT LOCATION