



LEGEND	
	CAPACITOR
	SOLENOID COIL
	RELAY CONTACTS - N.O.
	TEMPERATURE SWITCH
	SWITCH-HIGH PRESSURE
	SWITCH-LOSS OF CHARGE
	GROUND
	WIRE NUT

AL	ALARM RELAY CONTACTS
ASTAT	AQUA STAT
CAP	COMPRESSOR CAPACITOR
CB	CIRCUIT BREAKER
CC	COMPRESSOR CONTACTOR
DISC	UNIT DISCONNECT
FPI	SENSOR, SOURCE WATER LOW TEMP PROTECTION
FP2	SENSOR, LOAD WATER LOW TEMP PROTECTION
HP	HIGH PRESSURE SWITCH
HWTS	HIGH (LEAVING) WATER TEMP. SWITCH
LOC	LOSS OF CHARGE PRESSURE SWITCH
MV	MOTORIZED VALVE (SOURCE WATER)
PI	FIELD WIRING TERMINAL BLOCK
PB	POWER TERMINAL BLOCK
PDB	POWER DISTRIBUTION BLOCK
RVS	REVERSING VALVE SOLENOID
TRANS	TRANSFORMER
*	OPTIONAL WIRING

NOTES

- COMPRESSOR THERMALLY PROTECTED INTERNALLY.
- ALL WIRING TO THE UNIT MUST COMPLY WITH NEC & LOCAL CODES.
- TRANSFORMER IS WIRED TO 460V (BLK/RED) LEAD FOR 460/60/3 UNITS, 575 (GRY) LEAD FOR 575/60/3, OR 380V (VIO) LEAD FOR 380/50/3. FOR 420/50/3 SWITCH VIO & BRN LEADS AT LI AND INSULATE VIO LEAD. FOR 208V USE RED LEADS. FOR 230V USE ORG LEADS. INSULATE UNUSED LEADS. TRANSFORMER IS ENERGY LIMITING OR MAY HAVE CIRCUIT BREAKER.
- FPI THERMISTOR PROVIDES FREEZE PROTECTION FOR SOURCE WATER. WHEN USING ANTI-FREEZE SOLUTIONS, CUT JWS JUMPER.
- 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.

- TRANSFORMER SECONDARY GROUND VIA DXM BOARD STANDOFFS & SCREWS TO CONTROL BOX. (GROUND AVAILABLE FROM TOP TWO STANDOFFS AS SHOWN.)
- FACTORY CUT JWI (CXH) OR JW4 (DXH) JUMPER. DRY CONTACT WILL BE AVAILABLE BETWEEN AL1 AND AL2.
- 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.

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	ON	NOTE: 2	CYCLE (NOTE 3)
NIGHT SETBACK	FLASHING CODE 2	-	-	NOTE: 2
EMERGENCY SHUT DOWN	FLASHING CODE 3	-	-	NOTE: 2
INVALID I-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: 1	SLOW FLASH / (FAST FLASH)	OFF	FLASHING CODE 3	OPEN / (CLOSED)
FPI 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 (NOTE 4)
NORMAL MODE w/UPS	ON	OFF	FLASHING CODE 8	CYCLE (NOTE 5)
SWAPPED FPI/FP2 LOCKOUT	FAST FLASH	OFF	FLASHING CODE 9	CLOSED

- 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.....

TRANSFORMER PRIMARY LEAD COLORS	
VOLTAGE	LEAD COLOR
208	RED
230	ORG
380	VIO
420	BRN
460	BLK/RED
575	GRY

