






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


HIGH PRESSURE
WATER SWITCH

LOW PRESSURE SWITCH

TEMPERATURE SWITCH

POSITIVE TEMPERATURE
COEFFICIENT RELAY

FUSE

SPLICE CAP

ALALARM RELAY CONTACTS

CBCIRCUIT BREAKER

CCCOMPRESSOR CONTACTOR

FPISENSOR, SOURCE LOW TEMP. PROTECTION

FP2SENSOR, LOAD LOW TEMP. PROTECTION

HPHIGH PRESSURE SWITCH

HPWRHIGH PRESSURE WATER RELAY

HPWSHIGH PRESSURE WATER SWITCH

LOCLOSS OF CHARGE PRESSURE SWITCH

JW4JUMPER WIRE FOR ALARM

PIFIELD WIRING TERMINAL BLOCK

PDBPOWER DISTRIBUTION BLOCK

RVSREVERSING VALVE SOLENOID

TRANSTRANSFORMER

*OPTIONAL

NOTES:

1. COMPRESSOR MOTOR THERMALLY PROTECTED INTERNALLY.

2. ALL WIRING TO THE UNIT MUST COMPLY WITH NEC AND LOCAL CODES.

3. POWER SUPLY: 460V,575V, & 380-420V - TRANS IS FACTORY WIRED FOR 460V,575V & 380V POWER SUPPLY WITH WIRE LEAD COLORS AS SHOWN IN THE CHART.
FOR 380-420V UNITS WITH 420V POWER SUPPLY DISCONNECT VIO TRANS LEAD AT LI AND CONNECT BRN LEAD IN PLACE OF IT.
THE TRANSFORMER IS 75VA AND IS PROTECTED WITH A CIRCUIT BREAKER IN THE SECONDARY CIRCUIT.

4. POWER SUPLY: 208-230V - TRANS IS FACTORY WIRED FOR 208V POWER SUPPLY.
FOR 230V POWER SUPPLY, DISCONNECT RED LEAD AT H2 AND RECONNECT IT AT H3.
THE TRANSFORMER IS 150VA AND IS PROTECTED WITH PRIMARY & SECONDARY FUSES.

5. FPI THERMISTOR PROVIDES LOW TEMP PROTECTION FOR SOURCE WATER.
WHEN USING ANTI-FREEZE SOLUTIONS, CUT JW3 JUMPER.

6. 24V ALARM SIGNAL SHOWN.
FOR DRY CONTACT, CUT JW1 AND DRY CONTACT ALARM WILL BE AVAILABLE BETWEEN AL1 & AL2.

7. TRANSFORMER SECONDARY GROUND VIA GRN/YEL WIRE FROM BOARD C TO CONTROL BOX.

8. SUFFIX 1 DESIGNATES ASSOCIATION WITH LEAD COMPRESSOR, SUFFIX 2 WITH LAG COMPRESSOR.
EXCEPTION AL1, AL2, FPI, FP2 ARE PER LEGEND.

9. REFER TO MPC, LON, OR TSTAT INSTALLATION, APPLICATION, AND OPERATION MANUAL FOR CONTROL WIRING TO THE UNIT.
LOW VOLTAGE WIRING MUST BE "CLASS 1" AND VOLTAGE RATED EQUAL OR GREATER THAN UNIT SUPPLY VOLTAGE.

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)
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(NOTE4)
NORMAL MODE W/UPS	ON	OFF	FLASHING CODE 8	CYCLE (NOTE5)
SWAPPED FPI/FP2 LOCKOUT	FAST FLASH	OFF	FLASHING CODE 9	CLOSED

1. 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.

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 15 MINUTES.

5. ALARM RELAY CYCLES : CLOSED FOR 5 SECONDS AND OPEN FOR 25 SECONDS. . . .

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