

LEGEND	
	FACTORY LOW VOLTAGE WIRING
	FACTORY LINE VOLTAGE WIRING
	FIELD LOW VOLTAGE WIRING
	FIELD LINE VOLTAGE WIRING
	PRINTED CIRCUIT TRACE
	OPTIONAL WIRING
	OPTIONAL BLOCK
	CAPACITOR
	CIRCUIT BREAKER
	CONDENSATE PAN
	GROUND
	HIGH PRESSURE SWITCH
	LED
	LOW PRESSURE SWITCH
	MATE-N-LOCK
	Multi Splice Connector
	OPTIONAL
	RELAY CONTACTS - N.C.
	RELAY CONTACTS - N.O.
	RELAY / CONTACTOR COIL
	SOLENOID COIL
	SPLICE CAP
	TEMPERATURE SWITCH
	THERMISTOR
	WIRE NUT
AL	ALARM RELAY CONTACTS
BM	BLOWER MOTOR
BMC	BLOWER MOTOR CAPACITOR
BR	BLOWER RELAY
CAP	CAPACITOR
CB	CIRCUIT BREAKER
CR	COMPRESSOR RELAY
CO	CONDENSATE OVERFLOW SENSOR
CTB	COMMON TERMINAL BLOCK
DM	DAMPER MOTOR
ES	END SWITCH
FPI	SENSOR, LOW TEMP PROTECTION, WATER COIL
FP2	SENSOR, LOW TEMP PROTECTION, AIR COIL

FSS	FAN SPEED SWITCH
HP	HIGH PRESSURE SWITCH
HPWS	HIGH PRESSURE WATER SWITCH
JW	JUMPER WIRE
LAT	LEAVING AIR TEMPERATURE
LOC	LOSS OF CHARGE PRESSURE SWITCH
LWT	LEAVING WATER TEMPERATURE
MSC	MULTI SPLICE CONNECTOR
PB	POWER TERMINAL BLOCK
PI	FIELD WIRING TERMINAL BLOCK
RAS	RETURN AIR SENSOR
SAC	START ASSIST CAPACITOR
TRANS	TRANSFORMER
UMT	UNIT MOUNTED THERMOSTAT
WV	WATER VALVE

- NOTES:
- COMPRESSOR AND BLOWER MOTOR THERMALLY PROTECTED INTERNALLY.
 - ALL WIRING TO THE UNIT MUST COMPLY WITH NEC AND LOCAL CODES.
 - 208/230V transformer will be connected for 208V operation. For 230V operation, disconnect Red lead at L1, and attach Orange lead to L1. Insulate open end of Red lead. Transformer is energy limiting or may have circuit breaker.
 - FPI THERMISTOR PROVIDES LOW TEMPERATURE PROTECTION FOR WATER. WHEN USING ANTIFREEZE SOLUTIONS, CUT JW3 JUMPER. Wire "Y1" from t-stat to "Y1" DXM when a motorized valve is not used. T-stat wiring must be "Class 1" and Voltage rating equal to or greater than unit supply voltage. HEAT / COOL THERMOSTATS NOT COMPATIBLE WITH MOTORIZED WATER VALVE
 - REFER TO MPC, LON, OR TSTAT INSTALLATION, APPLICATION, AND OPERATION MANUAL FOR Control Wiring to the unit.
 - 24V ALARM SIGNAL AT AL1 (UNCUT) MPC & LON ONLY: FACTORY CUT JW1 (CXM) OR JW4 (DXM) JUMPER. DRY CONTACT WILL BE AVAILABLE BETWEEN AL1 AND AL2.
 - TRANSFORMER SECONDARY GROUND VIA GREEN WIRE WITH YELLOW STRIPE FROM "C" TERMINAL TO CONTROL BOX.
 - COMMERCIAL UNITS ONLY: AQUA STAT IS SUPPLIED WITH UNIT AND MUST BE WIRED IN SERIES WITH THE HOT LEG TO THE PUMP. AQUA STAT IS RATED FOR VOLTAGES UP TO 277V
 - USE START ASSIST CAPACITOR ONLY ON UNIT SIZE 015-018.

10. FOR ECONOMIZER OPERATION J1 ON A419 CONTROL MUST BE JUMPED, J2 MUST NOT BE JUMPED.

