

LEGEND

	FACTORY LOW VOLTAGE WIRING
	FACTORY LINE VOLTAGE WIRING
	FIELD LOW VOLTAGE WIRING
	FIELD LINE VOLTAGE WIRING
	PRINTED CIRCUIT TRACE
	OPTIONAL WIRING
	RELAY / CONTACTOR COIL
	THERMISTOR
	CONDENSATE PAN
	CIRCUIT BREAKER
	GROUND
	* OPTIONAL

	SOLENOID COIL
	RELAY CONTACTS - N.C.
	RELAY CONTACTS - N.O.
	CAPACITOR
	TEMPERATURE SWITCH
	LOW PRESSURE SWITCH
	HIGH PRESSURE SWITCH
	WIRE NUT
	SPLICE CAP
	LED

AL	ALARM RELAY CONTACTS
ASTAT	AQUA STAT
BM	BLOWER MOTOR
BMC	BLOWER MOTOR CAPACITOR
BR	BLOWER RELAY
CRC	COMPRESSOR RUN CAPACITOR
CB	CIRCUIT BREAKER
CC	COMPRESSOR CONTACTOR
CDT	COMPRESSOR DISCHARGE TEMP SENSOR
CO	CONDENSATE OVERFLOW SENSOR
ER	ELECTRIC HEAT RELAY
FPI	WATER COIL FREEZE PROTECTION SENSOR
FP2	AIR COIL FREEZE PROTECTION SENSOR
HE	HEATING ELEMENT
HP	HIGH PRESSURE SWITCH
HPWS	HIGH PRESSURE WATER SWITCH
HWG	HOT WATER GENERATOR
HWT	HOT WATER GENERATOR ENTERING WATER TEMP SENSOR
JW	JUMPER WIRE
LOC	LOSS OF CHARGE PRESSURE SWITCH
PB	FIELD WIRING POWER BLOCK
PR	PUMP RELAY
RV	REVERSING VALVE
TRANS	TRANSFORMER
WV	WATER VALVE

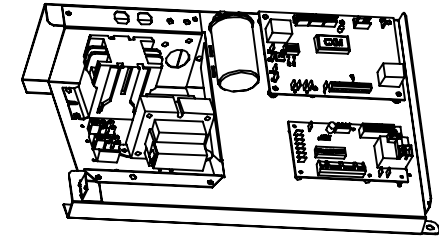
- NOTES:**
- COMPRESSOR AND BLOWER MOTOR THERMALLY PROTECTED INTERNALLY.
 - ALL WIRING TO THE UNIT MUST COMPLY WITH NEC AND LOCAL CODES.
 - 208/230V TRANSFORMER WILL BE CONNECTED FOR 230V OPERATION. FOR 208V OPERATION, DISCONNECT ORG LEAD AT LI, AND ATTACH RED LEAD TO LI. INSULATE OPEN END OF ORG LEAD.
 - FPI THERMISTOR PROVIDES FREEZE PROTECTION FOR WATER. WHEN USING ANTIFREEZE SOLUTIONS, CUT JW3 JUMPER.
 - 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.
 - 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 CXM/DXM BOARD STANDOFFS & SCREWS TO CONTROL BOX. (GROUND AVAILABLE FROM TOP TWO STANDOFFS AS SHOWN.)
 - HWG IS SHIPPED IN THE DISABLED POSITION. DO NOT ENABLE HWG (DIP SWITCH I2 = OFF) UNTIL HWG IS CONNECTED TO TANK AND ALL AIR IS PURGED. SEE IOM FOR INSTRUCTIONS.
 - HWG PUMP ONLY IN MODELS WITH HOT WATER GENERATION AND INTERNAL PUMP OPTION. FACTORY DEFAULT TEMPERATURE SETTING IS I25F, FOR I50F SETTING ANTI-SCALD VALVE MUST BE USED. SEE UNIT IOM FOR INSTRUCTIONS.
 - FOR AUXILIARY STAGING OPTIONS, CONSULT AG SERIES ELECTRIC HEAT INSTALLATION MANUAL.

ECM/HWG BOARD DIP SWITCH SETTINGS

COOL CFM			CFM HEAT			EH CFM			ADJ CFM		
SPD	SW1	SW2	SPD	SW3	SW4	SPD	SW5	SW6	SPD	SW7	SW8
1	ON	ON	1	ON	ON	1	ON	ON	TEST	ON	ON
2	ON	OFF	2	ON	OFF	2	ON	OFF	-	ON	OFF
3	OFF	ON	3	OFF	ON	3	OFF	ON	+	OFF	ON
4	OFF	OFF	4	OFF	OFF	4	OFF	OFF	NORM	OFF	OFF

DEHUM		HWG PUMP TEST		HWG TEMP		HWG STATUS	
SW9		SW10		SW11		SW12	
ON	NORM	ON	PUMP TEST	ON	150F	ON	DISABLED
OFF	DH	OFF	NORM	OFF	125F	OFF	ENABLED

SEE NOTE 9 FOR HWG DIP SWITCH SETTINGS SEE IOM



CONTROL BOX LAYOUT

