




























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
	Control Board Jumper
	FUSE
	Ground
	High Pressure Switch
	LED
	Low Pressure Switch
	Mate-N-Lock
	Multi Splice Connector
	Optional
	Overload
	Relay contacts - N.C.
	Relay contacts - N.O.
	Relay / Contactor Coil
	Solenoid Coil
	Splice Cap
	Temperature Switch
	Thermistor
	Wire Nut

- |       |   |
|-------|---|
| ACO   | Automatic Change Over                   |
| AL    | Alarm Relay Contacts                    |
| ATS   | Air Temperature Sensor                  |
| BM    | Blower Motor                            |
| BMC   | Blower Motor Capacitor                  |
| BR    | Blower Relay / Blower Contactor         |
| CAP   | Capacitor                               |
| CB    | Circuit Breaker                         |
| CC    | Compressor Contactor                    |
| CDT   | Compressor Discharge Temperature        |
| CO    | Condensate Overflow Sensor              |
| CR    | Compressor Relay                        |
| CRC   | Compressor Run Capacitor                |
| CS    | Current Sensor                          |
| DHW   | Domestic Hot Water                      |
| DM    | Damper Motor                            |
| DTS   | Discharge Temperature Switch            |
| EEV   | Electronic Expansion Valve              |
| EHC   | Electronic Heat Contactor               |
| ES    | End Switch                              |
| ETC   | Electronic Temperature Control          |
| EWI   | Entering Water Temp Sensor              |
| FSR   | Fan Speed Relay                         |
| FSS   | Fan Speed Switch                        |
| HP    | High Pressure Switch                    |
| HPWS  | High Pressure Water Switch              |
| HR    | Heating Relay                           |
| JW    | Jumper Wire                             |
| LAT   | Leaving Air Temperature                 |
| LOR   | Lock Out Relay                          |
| LP    | Low Pressure Switch                     |
| LT1   | Sensor, low temp protection, water coil |
| LT2   | Sensor, low temp protection, air coil   |
| LWT   | Leaving Water Temp Sensor               |
| MCO   | Manual Change Over                      |
| MOD   | Modulating Water Valve                  |
| MS    | Manual Starter                          |
| MSC   | Multi Splice Connector                  |
| MWV   | Motorized Water Valve                   |
| NLL   | Night Low Limit Switch                  |
| PDB   | Power Distribution Block                |
| POT   | Potentiometer                           |
| P1    | Field Wiring Terminal Block             |
| PR    | Pump Relay                              |
| RAS   | Return Air Sensor                       |
| RVS   | Reversing Valve Solenoid                |
| SAC   | Start Assist Capacitor                  |
| SAS   | Supply Air Sensor                       |
| TB    | Terminal Block                          |
| TRANS | Transformer                             |
| UMT   | Unit Mounted Thermostat                 |
| VFD   | Variable Frequency Drive                |
| VSP   | Variable Speed Pump                     |
| WSTAT | Water Stat                              |

**NOTES:**

1. Compressor and Blower Motor thermally protected internally.
2. All wiring to the unit must comply with NEC and local codes  
low voltage wiring shall be Class 2 or equivalent.
3. Transformer wiring is voltage sensitive. Use layout corresponding to the unit voltage.
4. LTI provides low temperature protection for WATER. When using ANTI-FREEZE solutions, cut JW3 jumper.
5. Typical heat pump thermostat wiring shown. Refer to thermostat IOM for wiring to the unit. T-Stat wiring must be "Class 1" and voltage rating equal to or greater than unit supply voltage.
6. 24V Alarm signal shown. For Dry Alarm contact between AL1 & AL2, cut JW1 for CXM/DXM Gen2 or JW4 DXM.
7. Transformer Secondary Ground via control board standoffs and/or Common to Control Box.

ECM1. For ECM Blower Motor air flow adjustment and diagnostic information refer to I.O.M.

HWG1. HWG and Heat Exchanger Pump only in models with Hot Water Generator option  
factory default temperature setting is 125° F, for 150° F setting Anti-Scald Valve  
must be used. See unit IOM for instructions.

MOD1. For Modulating Water Valve option, place jumper on 0-10V pins.

MOD2. For Modulating Water Valve option, ensure actuator direction switch is  
set as shown. See Manual for Control Wiring to the unit.

