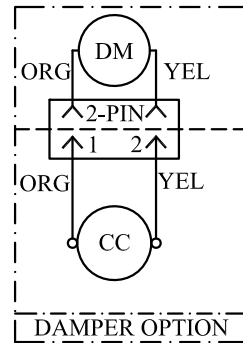
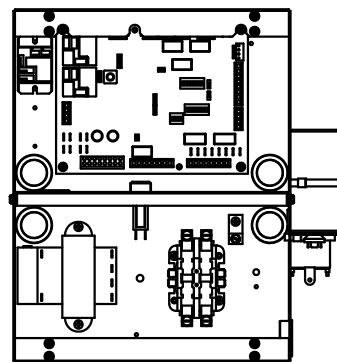


## NOTES

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. Field Use Only: Transformer wiring is voltage sensitive. Use layout corresponding to the unit voltage.
4. LT1 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.



### CONTROL BOX LAYOUT



**CABINET**

**Power Supply Section:**

- Input: 208/240V (208-230V) via Breaker\* (Optional "G" or "E" 265V).
- Wiring: BLK (Line 1), RED (Line 2), Neutral, Ground (G/Y).
- Terminals: TB 1 (L1, L2), TB 2 (T1, T2).
- Notes: "NEUTRAL ON 265V SYSTEM", "Power Supply Refer to Data Plate Use Copper Conductors Only See Note 2".

**Compressor Section:**

- Transformer: 208/240V to 24V.
- Wiring: BLK (Line 1), RED (Line 2), COM (Common), 24V (Control).
- Terminals: L1, L2, CC, T1, T2.
- Notes: "SEE NOTE 3", "COMPRESSOR SEE NOTE 1".

**Control Signals Section:**

- 9-PIN Plug: BLK, VIO, BRN, RED, GRY, ORG, WHT, BLU, YEL.
- 5-PIN Plug: BLU, BLK, RED, YEL, ORG.
- 3-PIN Plug: G/Y, BLK, RED.
- Chassis Bracket connections.

**DXM2 Microprocessor Control Logic Section:**

- Terminals: P1 (Y1, Y2, W1, O/W, G, R, RED, VIO, AL1), P2 (R, NSB, C, ESD, OVR, H, A), P3 (R, NO1, NC1, COM, NO2, NC2, COM, R), P4 (Gnd, BLU, A+, 24V), P5 (RED), P6 (HP, LOC, LT1, LT2, RV, CO, P7), P8 (12V DC, IN, OUT, Gnd, NC), P9 (EWT, LWT, LAT, CDT), P10 (T1, T2, T3, T4, T5, T6), P11 (A0-1, Gnd, A0-2, Gnd), P12 (A0-1, A0-2, A0-3, A0-4, A0-5, A0-6, A0-7, A0-8, A0-9, A0-10, A0-11, A0-12, A0-13, A0-14, A0-15, A0-16, A0-17, A0-18, A0-19, A0-20, A0-21, A0-22, A0-23, A0-24, A0-25, A0-26, A0-27, A0-28, A0-29, A0-30, A0-31, A0-32, A0-33, A0-34, A0-35, A0-36, A0-37, A0-38, A0-39, A0-40, A0-41, A0-42, A0-43, A0-44, A0-45, A0-46, A0-47, A0-48, A0-49, A0-50, A0-51, A0-52, A0-53, A0-54, A0-55, A0-56, A0-57, A0-58, A0-59, A0-60, A0-61, A0-62, A0-63, A0-64, A0-65, A0-66, A0-67, A0-68, A0-69, A0-70, A0-71, A0-72, A0-73, A0-74, A0-75, A0-76, A0-77, A0-78, A0-79, A0-80, A0-81, A0-82, A0-83, A0-84, A0-85, A0-86, A0-87, A0-88, A0-89, A0-90, A0-91, A0-92, A0-93, A0-94, A0-95, A0-96, A0-97, A0-98, A0-99, A0-100).
- Notes: "SEE NOTE 4", "FAULT STATUS", "COMM-SLAVE/MASTER", "HWG/NORM/TEST", "HWG SP:125/150", "HWG/DISABLE/ENABLE", "UPS: Disable/Enable", "Unit Stage: 2/1", "T-stat: Heat Cool/Heat Pump", "RV on B/RV on O", "Dehumid/Normal", "DDC Output: DDC/Normal", "Boilerless: Enable/Disable", "Boilerless: 40°F/50°F", "ACC1 Functions", "ACC2 Functions", "H: hi fan/dehumid", "Not Used".

**RIB RELAY OPTION (09-18 ONLY):**

- Wiring: TB 3 (L1, L2), MSC2, MSC, RIB, GRY, BRN, BLK, RED.
- Notes: "SEE NOTE 1".

**Notes:**

- "TSTAT ACO SEE NOTE 5"
- "TSTAT MCO SEE NOTE 5"
- "CO YEL"
- "9-PIN Plug"
- "3-PIN Plug"
- "CHASSIS BRACKET"
- "STRAIN RELIEF"
- "G/Y"
- "BLK"
- "RED"
- "Neutral"
- "Ground"
- "Power Supply Refer to Data Plate Use Copper Conductors Only See Note 2"
- "NEUTRAL ON 265V SYSTEM"
- "5-PIN Plug"
- "CHASSIS BRACKET"
- "(CONNECT) (SERVICE TOOL)"
- "SEE NOTE 7"
- "SEE NOTE 6"
- "AL2 DRY"
- "JW1"
- "JW3"
- "LT1"
- "SEE NOTE 4"
- "FAULT STATUS"
- "COMM-SLAVE/MASTER"
- "HWG/NORM/TEST"
- "HWG SP:125/150"
- "HWG/DISABLE/ENABLE"
- "UPS: Disable/Enable"
- "Unit Stage: 2/1"
- "T-stat: Heat Cool/Heat Pump"
- "RV on B/RV on O"
- "Dehumid/Normal"
- "DDC Output: DDC/Normal"
- "Boilerless: Enable/Disable"
- "Boilerless: 40°F/50°F"
- "ACC1 Functions"
- "ACC2 Functions"
- "H: hi fan/dehumid"
- "Not Used"
- "SEE I.O.M. FOR DIP SWITCH DEFINITIONS."
- "P13"
- "P14"
- "A0-1"
- "A0-2"
- "A0-3"
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