



NOTES:

- |    |   |    |  |
|----|---|----|--|
| 1. | UNLESS OTHERWISE NOTED, ALL SWITCHES ARE SHOWN AT 25° C (77° F), WITH ALL UTILITIES TURNED OFF, AND AFTER A NORMAL SHUTDOWN HAS OCCURRED.   | 9  | FIELD CONNECTIONS SHOWN ON TB3-10 AND TB3-11 ARE FOR TWO STAGE ELECTRIC HEAT.  |
| 2. | DASHED LINES INDICATE RECOMMENDED FIELD WIRING BY OTHERS. DASHED LINED ENCLOSURES AND/OR DASHED DEVICE OUTLINES INDICATE COMPONENTS PROVIDED BY THE FIELD. PHANTOM LINE ENCLOSURES INDICATE ALTERNATE CIRCUITRY OR AVAILABLE SALES OPTIONS. SOLID LINES INDICATE WIRING BY TRANE. | 11 | SW1 AND SW2 ARE SHOWN IN THE OFF POSITION. SW1 AND OR SW2 ARE TURNED OFF WHEN VALVES ARE NORMALLY CLOSED OR MODULATING (CV11 OR CV12 = A,C,E,F,G,J). SW1 AND/OR SW2 ARE TURNED ON WHEN VALVES ARE NORMALLY OPEN. (CV11 OR CV12 = B,D,H). |
| 3. | ALL FIELD WIRING MUST BE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC). STATE AND LOCAL REQUIREMENTS.   | 12 | SW3 IS SHOWN IN THE OFF POSITION. SW3 IS TURNED ON WHEN CHANGEOVER COILS ARE SELECTED (COL1 OR COL2 = J,K,R,T).  |
| 4  | ELECTRIC HEAT SCHEMATIC IS LOCATED IN THE ELECTRIC HEAT CONTROL BOX PANEL.  | 13 | SW4 IS SHOWN IN THE OFF POSITION. SW4 IS TURNED ON WHEN UNIT HAS ELECTRIC HEAT (STGE = 1,2,3).   |
| 5  | WIRING SHOWN IS FOR TWO STAGE ELECTRIC HEAT.  | 14 | WIRING SHOWN IS FOR ONE STAGE DX WITH TWO STAGE ELECTRIC HEAT SELECTION.   |
| 7  | USE CLASS 2 WIRING.   | 15 | FIELD INSTALLED CONDENSING UNIT CAN BE WIRED BETWEEN TERMINALS 1TB1-1 TO 1TB1-2 FOR SINGLE STAGE.<br>REMOVE RESISTOR 1R1 PRIOR TO WIRING CONDENSOR. DX1 OUTPUTS RATED FOR 24VAC 6VA MAXIMUM.   |
| 8  | FIELD CONNECTIONS SHOWN ON TB3-6 IS FOR ONE STAGE DX.   |    |  |

- 16 FIELD CONNECTIONS SHOWN ON TB3-12 AND TB3-13 ARE FOR MODULATING DAMPER.  
FOR 2 POSITION DAMPER AND CONDENSATE OVERFLOW FIELD WIRING, SEE INSET "A".
- 17 WIRING SHOWN IS FOR FACTORY INSTALLED MODULATING DAMPER.  
FOR CONDENSATE OVERFLOW JUMPER, SEE INSET "B".  
FOR 2 POSITION DAMPER AND MODULATING FIELD SUPPLIED/ SHIP LOOSE DAMPER WIRING, SEE INSET "C"
- 18 REMOVE TEST JUMPER PRIOR TO CONNECTING MIXING BOX TO MAIN UNIT.
- 19 SEE INSET "D" FOR FAN STATUS WIRING.  
(CTRL = N).
- 20 24V OUTPUT IS RATED 15VA
- 21 WIRING IS SHOWN WITH CONDENSATE OVERFLOW SWITCH. SEE INSET B FOR REQUIRED CONDENSATE OVERFLOW JUMPER. FOR UNITS WITHOUT COILS OR UNITS WITHOUT CONDENSATE OVERFLOW, THERE IS NO FACTORY WIRED CONDENSATE OVERFLOW SWITCH.

| LEGEND             |                             |             |
|--------------------|-----------------------------|-------------|
| DEVICE DESIGNATION | DESCRIPTION                 | LINE NUMBER |
| 1U2                | ADAPTER BOARD               | 79,88       |
| 1U4                | ENGINE BOARD                | 82,114      |
| 2S3                | EL HT LOCKOUT SWITCH        | 105         |
| 6K6                | CONTACTOR; EL HT STG 1      | 107         |
| 6S8                | EL HT HIGH TEMP             | 108         |
| 1K2                | CONTACTOR; EL HT            | 108         |
| 1K3                | CONTACTOR; EL HT            | 110         |
| 6K7                | CONTACTOR; EL HT STG 2      | 109         |
| 2S1                | CONDENSATE OVERFLOW SWITCH  | 125         |
| 2S2                | FREEZESTAT                  | 127         |
| 1K1                | RELAY; DX STATUS            | 117,120     |
| 1K4                | RELAY; EL HT STG 2 STATUS   | 117,120     |
| 1R1                | RESISTOR; DX STG 1 TEST     | 114         |
| 1R3                | RESISTOR; LOADING           | 119         |
| 2S4                | FROST STAT                  | 115         |
| 1K6                | RELAY; FAN STATUS           | 80,81       |
| 4L1                | MIXING BOX DAMPER ACTUATOR  | 134         |
| 7L3                | MIXING BOX DAMPER ACTUATOR  | 98          |
| 7L4                | OUTSIDE AIR DAMPER ACTUATOR | 98,102      |
| 7S1                | FAN SPEED SW                | 89          |
| 2U5                | LEAK DETECTION SENSOR       | 123         |

| DEVICE PREFIX LOCATION CODE |                             |
|-----------------------------|-----------------------------|
| AREA                        | LOCATION                    |
| 1                           | MAIN CONTROL PANEL          |
| 2                           | SUPPLY FAN AND COIL SECTION |
| 3                           |                             |
| 4                           | MIXING BOX                  |
| 5                           | EXTERNAL PIPING             |
| 6                           | ELECTRIC HEAT CONTROL BOX   |
| 7                           | FIELD INSTALLED DEVICE      |

[illegible]