



NOTES:

- UNLESS OTHERWISE NOTED, ALL SWITCHES ARE SHOWN AT 25° C (77° F), AT ATMOSPHERIC PRESSURE, AT 50% RELATIVE HUMIDITY, WITH ALL UTILITIES TURNED OFF, AND AFTER A NORMAL SHUTDOWN HAS OCCURRED.
- 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.
- ALL FIELD WIRING MUST BE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC), STATE AND LOCAL REQUIREMENTS. ALL FIELD WIRING MUST HAVE INSULATION VOLTAGE RATING THAT EQUALS OR EXCEEDS UNIT RATED VOLTAGE.

FIELD CONNECTIONS SHOWN ON TB3-10 AND TB3-11 ARE FOR HEATING MODULATING VALVES. FOR FIELD CONNECTIONS TO HEATING TWO POSITION VALVES OR CHANGEOVER VALVES, AND SINGLE STAGE ELECTRIC HEAT, TWO STAGE ELECTRIC HEAT AND SCR ELECTRIC HEAT, W/O CHANGEOVER SYSTEM, SEE INSET "C".

WIRING SHOWN IS FOR MODULATING VALVES. FOR COOLING 2 POSITION VALVE, SEE INSET "D". FOR HEATING 2 POSITION VALVE, SEE INSET "E". FOR COOLING ANALOG 2-10V VALVE, SEE INSET "M". FOR HEATING ANALOG 2-10V VALVE, SEE INSET "N".

SW1 AND SW2 ARE SHOWN IN THE OFF POSITION. SW1 AND SW2 ARE TURNED OFF WHEN COIL 1 OR COIL 2 CONTROL VALVES ARE NORMALLY CLOSED OR MODULATING. SW1 AND/OR SW2 ARE TURNED ON WHEN COIL 1 OR COIL 2 CONTROL VALVES ARE NORMALLY OPEN.

SW3 IS SHOWN IN THE OFF POSITION. SW3 IS TURNED ON WHEN CHANGEOVER COILS ARE SELECTED (6R DX 3/16", 4R DX 3/16" HEAT PUMP).

SW4 IS SHOWN IN THE OFF POSITION. SW4 IS TURNED ON WHEN UNIT HAS ELECTRIC HEAT (1-STAGE, 2-STAGE, SCR).

WIRING SHOWN IS FOR FACTORY INSTALLED MODULATING DAMPER.

FOR CONDENSATE OVERFLOW JUMPER, SEE INSET "G". FOR 2 POSITION DAMPER AND MODULATING FIELD SUPPLIED/SHIP LOOSE DAMPER WIRING, SEE INSET "H".

REMOVE TEST JUMPER PRIOR TO CONNECTING MIXING BOX TO MAIN UNIT.

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

DEVICE DESIGNATION	DESCRIPTION	LINE NUMBER
1U2	ADAPTER BOARD	88,98
1U4	ENGINE BOARD	98,118
2S3	EL HT LOCKOUT SWITCH	75,105
6K6	CONTACTOR; EL HT STG 1	107,77
6S8	EL HT HIGH TEMP	108,77
6K7	CONTACTOR; EL HT STG 2	109
1K2	CONTACTOR; EL HT	107,77
1K3	CONTACTOR; EL HT	109
1K6	RELAY; FAN STATUS	94,96
5L1	COOLING COIL VALVE MOTOR	84,115
5L2	HEATING COIL VALVE MOTOR	89,119
7L1	COOLING COIL VALVE MOTOR	115,84
7L2	HEATING COIL VALVE MOTOR	89,119
2S1	CONDENSATE OVERFLOW SWITCH	126
2S2	FREESTAT	128
7L3	MIXING BOX DAMPER ACTUATOR	125
7L4	OUTSIDE AIR DAMPER ACTUATOR	125,128
4L1	MIXING BOX DAMPER ACTUATOR	133
5RT1	ENTERING WATER TEMP SENSOR	124
7S1	FAN SPEED SW	89

DATE: 28-SEP-2025
 DRAWN BY: J. XI
 REVISION DATE:
 REVISIONS:
 50262930
 SCHEMATIC
 CSTI - STANDARD COILS
 BLOWER COIL - BKXE