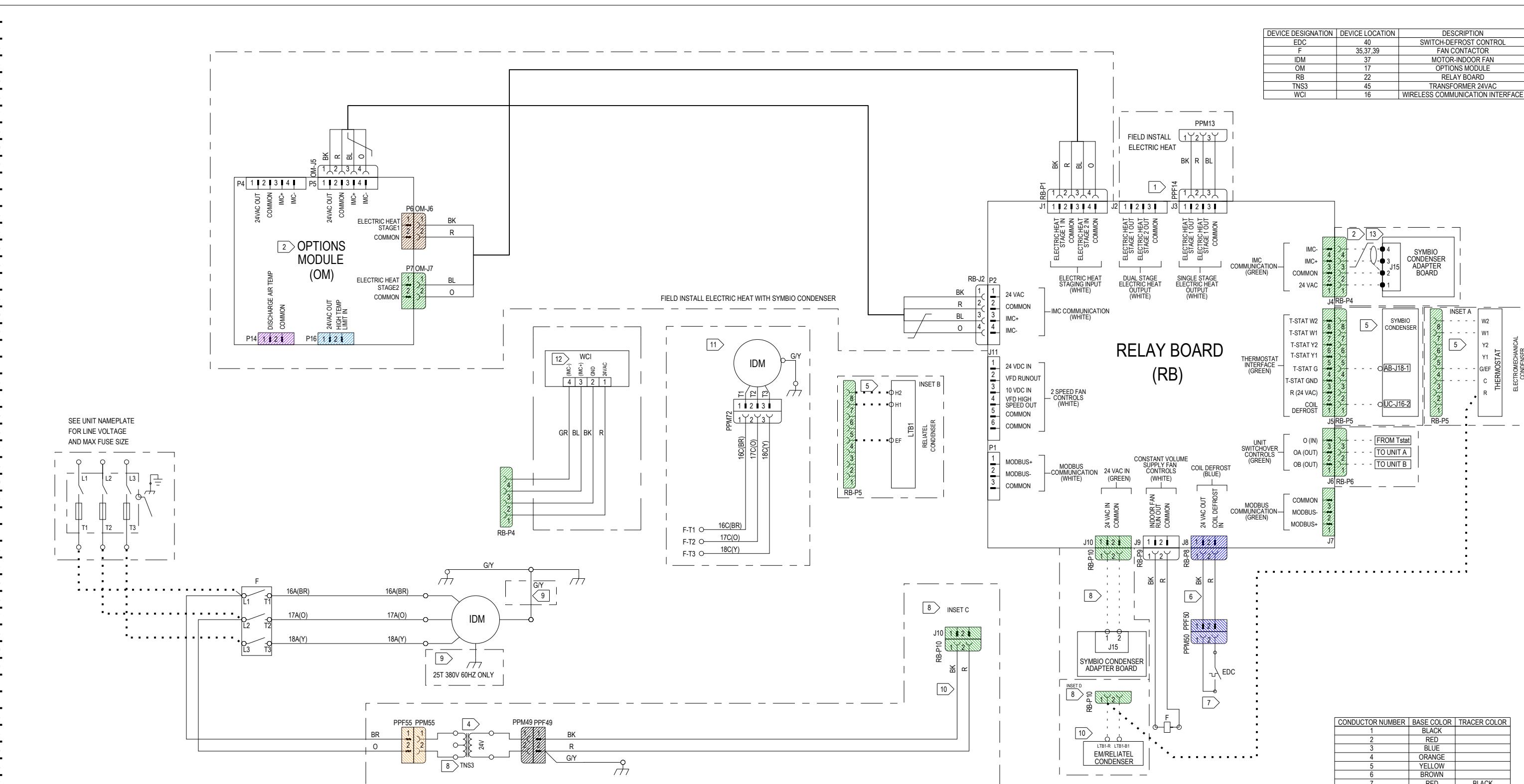


DEVICE DESIGNATION	DEVICE LOCATION	DESCRIPTION
EDC	40	SWITCH-DEFROST CONTROL
F	35,37,39	FAN CONTACTOR
IDM	37	MOTOR-INDOOR FAN
OM	17	OPTIONS MODULE
RB	22	RELAY BOARD
TNS3	45	TRANSFORMER 24VAC
WCI	16	WIRELESS COMMUNICATION INTERFACE



- 1 FOR 2-STAGE ELECTRIC HEAT, MOVE ELECTRIC HEAT PLUG (PPF14) FROM SINGLE STAGE ELECTRIC HEAT OUTPUT (RB-J3) TO DUAL STAGE ELECTRIC HEAT OUTPUT (RB-J2). SEE ELECTRIC HEAT DIAGRAM FOR APPROPRIATE WIRING.
- 2 AIR HANDLER THAT IS PAIRED WITH A SYMBIO CONDENSER REQUIRES OPTIONS MODULE TO CONTROL ELECTRIC HEAT. INSTALL IMC COMMUNICATION HARNESS TO RELAY BOARD (RB-P2) AND OPTIONS MODULE (OM-P5). INSTALL ELECTRIC HEAT CONTROLS HARNESS TO RELAY BOARD (RB-J1) AND OPTIONS MODULE (OM-P6 & OM-P7). WIRE IMC CONNECTIONS FROM RELAY BOARD (RB-P4) TO ADAPTER BOARD (AB-J15) IN CONDENSER.
- 4 CONNECTIONS SHOWN ARE FOR 230V/60HZ/3PH UNIT. FOR 208V/60HZ/3PH OPERATION, MOVE WIRE FROM 230V TERMINAL TO 208V TERMINAL ON UNIT TRANSFORMER. FOR ALL OTHER VOLTAGES, TRANSFORMERS ARE SINGLE TAP PRIMARY AND WILL BE SHIPPED FROM THE FACTORY WITH THE APPROPRIATE WIRING.
- 5 WIRING SHOWN IS APPLICABLE TO UNITS THAT ARE PAIRED WITH SYMBIO CONDENSER. SEE INSET A FOR STANDARD THERMOSTAT WIRING. SEE INSET B FOR WIRING FROM RELIATEL CONDENSER.
- 6 FOR PAIRING WITH ELECTROMECHANICAL OR RELIATEL CONDENSER, CUT WIRES AT RB-P8 AND SPLICING WIRES THAT CONNECT TO EDC TERMINALS IN CONDENSER
- 7 SWITCH IS SHIPPED IN THE NORMALLY OPEN CONFIGURATION. FOR PAIRING WITH ELECTROMECHANICAL OR RELIATEL CONDENSER, MOVE WIRE FROM TERMINAL "H" TO TERMINAL "L" ON EDC SWITCH ENABLING NORMALLY CLOSED SWITCH OPERATION.
- 8 24 VAC IS SUPPLIED TO THE AIR HANDLER FROM A SYMBIO CONDENSER AS SHOWN. CONNECTIONS FOR ELECTROMECHANICAL OR RELIATEL CONDENSER ARE SHOWN IN INSET D. ALTERNATIVELY, 24 VAC CAN BE SUPPLIED FROM A SEPARATE TRANSFORMER TNS3, WHICH IS STANDARD ON 5 TON AIR HANDLERS, OR AVAILABLE AS A FIELD INSTALLED ACCESSORY (SEE INSET C).
- 9 ON 25T 380V 60HZ UNITS, G/Y WIRE FROM IDM IS NOT USED. MOTOR IS GROUNDED DIRECTLY TO MOTOR MOUNT.
- 10 FOR THERMOSTAT CONTROL WITH ELECTROMECHANICAL CONDENSER, THERMOSTAT TERMINAL "R" WIRE MUST BE CONNECTED TO RB-P10 PIN-1 ALONG WITH THE 24VAC FROM THE EM CONDENSER. IF TNS3 IS INSTALLED AND THIS AIR HANDLER IS PAIRED WITH ELECTROMECHANICAL CONDENSER, THERMOSTAT TERMINAL "R" WIRE MUST BE SPLICED WITH THE BLACK WIRE GOING TO RB-P10 PIN-1 SINCE 24VAC CONNECTIONS TO THE CONDENSER ARE NOT USED.
- 11 CONNECTIONS SHOWN FOR 7.5HP - 208/230/460/575V MOTOR
- 12 IN
- 13 G

DESIGNER:	RAM R
ENGINEER:	TINTU K
TRANE © DATE:	08-NOV-2021
REPLACES:	
SIMILAR TO:	
REVISION DATE:	
REVISED BY:	
APPROVED BY:	TINTU K
CAD SYSTEM USED:	CREO Schematic

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ODYSSEY
SCHEMATICS
AIR HANDLER
TWE-CONSTANT VOLUME
(3-PHASE)

DRAWING NUMBER: 12134234 SHEET: 1 OF 1