APPROVED 11/Aug/2023 09:49:45 GMT

CONDUCTOR NUMBER	BASE COLOR	TRACER COLOR
1	BLACK	
2	RED	
3	BLUE	
4	ORANGE	
5	YELLOW	
6	BROWN	
7	RED	BLACK
8	BLUE	BLACK
9	ORANGE	BLACK
10	YELLOW	BLACK
11	BROWN	BLACK
12	BLACK	RED
13	BLUE	RED
14	ORANGE	RED
15	YELLOW	RED
16	BROWN	RED
17	BLACK	BLUE
18	RED	BLUE
19	ORANGE	BLUE
20	YELLOW	BLUE
21	BROWN	BLUE
22	BLACK	ORANGE
23	RED	ORANGE
24	BLUE	ORANGE
25	YELLOW	ORANGE
26	BROWN	ORANGE

REF DES	DESCRIPTION	LINE NO
AB	ADAPTER BOARD	27
CC1	COMPRESSOR CONTACTOR 1	29
CC1 (AUX2)	CC1 AUX2 NO	20
CC2	COMPRESSOR CONTACTOR 2	31
CC2 (AUX2)	CC2 AUX2 NO	21
CTS1	COIL TEMP SENSOR 1	27
CTS2	COIL TEMP SENSOR 2	29
DTL1	DISCHARGE LINE TEMP LIMIT 1	41
DTL2	DISCHARGE LINE TEMP LIMIT 2	37
HPC1	HIGH PRESSURE CUTOUT 1	39
HPC2	HIGH PRESSURE CUTOUT 2	35
LCI	LONTALK COMMUNICATION INTERFACE	5
LPC1	LOW PRESSURE CUTOUT 1	33
LPC2	LOW PRESSURE CUTOUT 2	35
OAS	OUTDOOR AIR SENSOR	25
OFC1	OUTDOOR FAN CONTACTOR 1	24
SOV1	SWITCHOVER VALVE 1	55
SOV2	SWITCHOVER VALVE 2	55
UC	SYMBIO CONTROLLER	30
WIFI	WIFI ANTENNA	12

SYMBIO 700 (UC)

ADAPTER BOARD (AB)

1) ALL FIELD WIRING REPRESENTED BY DASHED LINES SHALL BE CLASS TWO.

2 TO SHUT DOWN UNIT FOR EMERGENCY STOP, CONNECT FIELD SUPPLIED CONTROL DEVICE TO J18. UNIT STOPS WHEN SWITCH IS CLOSED.

3 CAUTION: DO NOT JUMPER ACROSS SWITCHES DTL, LPC, AND HPC UNDER ANY CIRCUMSTANCES. DO NOT JUMPER ACROSS UC-P21 PIN 1 & 2.

4 WIRING SHOWN FOR OPTIONAL LONTALK COMMUNICATION DEVICE. SEE INSET A FOR OPTIONAL WIFI ANTENNA WIRING.

5 SOME ZONE SENSOR MODELS HAVE TERMINALS 10 AND 11 FOR 24VAC CONNECTION AND/OR TERMINALS S1 AND S2 FOR OPTIONAL REMOTE SENSOR. REFER TO SPECIFIC ZONE SENSOR INSTALLATION LITERATURE FOR WIRING INSTRUCTIONS.

6 WIRING SHOWN FOR SINGLE EXPANSION MODULE. SEE SUPPLEMENTAL LABEL FOR WIRING OF TWO MODULES.

7 TO ACTIVATE UNOCCUPIED ZONE TEMP SETPOINTS, ATTACH FIELD SUPPLIED CONTROL DEVICE TO J20. UNOCCUPIED SETPOINTS ARE ACTIVE WHEN SWITCH IS CLOSED

8 CONNECTIONS AS SHOWN ARE USED WHEN A CONVENTIONAL T-STAT IS WIRED TO THIS SYMBIO CONDENSER WHEN PAIRED WITH A SYMBIO AIR HANDLER. WHEN PAIRED WITH AN ELECTROMECHANICAL AIR HANDLER, CONNECT T-STAT AS SHOWN IN INSET A.

9 CONNECT SHIELD ONLY AT CONDENSER TO THE ADAPTOR BOARD GROUND TERMINAL. AT AIR HANDLER, TAPE SHIELD BACK ONTO CABLE

10 CONTACT RATING: 24VAC, 20mA

11) ANYTIME WHEN REFRIGERANT LEAK IS DETECTED OR IF REFRIGERANT LEAK SENSOR IS DISCONNECTED, A2L ALARM OUTPUT WILL TURN OFF THE COMPRESSOR, SUPPLY FAN WILL BE ACTIVATED, ELECTRIC HEAT WILL BE TURNED OFF, MECHANICAL VENTILATION WILL BE TURNED ON IF APPLICABLE AND INITIATES ALARM DIAGNOSTICS.

DESIGNER:	RAM R
ENGINEER:	SANJUNATH.S
TRANE © DATE:	21-JUL-2023
REPLACES:	
SIMILAR TO:	
REVISION DATE:	
REVISED BY:	
APPROVED BY:	SANJUNATH.S
CAD SYSTEM USED:	CREO SCHEMATICS

TRANE ®

THIS DRAWING IS PROPRIETARY AND SHALL NOT BE COPIED OR ITS CONTENTS DISCLOSED TO OUTSIDE PARTIES WITHOUT THE WRITTEN CONSENT OF TRANE.

IEC DESIGN COMPLIANT

ODYSSEY
SCHEMATIC
CONTROLS, HEAT PUMP
DUAL COMPRESSOR
SINGLE FAN

MASTER NUMBER:	DRAWING NUMBER:	SHEET:	REV
	12134773	2 OF 2	A