RELEASED 17/Feb/2025 14:17:10 GMT

SYMBIO 700 (UC)

LEGEND		
REF DES	DESCRIPTION	LINE NO
CTS1	SENSOR - COIL TEMPERATURE	149
DAT	SENSOR - DISCHARGE AIR	129
FOS	SWITCH - FROSTAT	129
LPC1	SWITCH - LOW PRESSURE 1	157
OAS	SENSOR - OUTDOOR AIR	127
SHS	SENSOR - SPACE HUMIDITY	177
SOV1	SWITCH OVER VALVE	165
UC	MODULE - UNIT CONTROLLER	143

CONDUCTOR NAME	CONDUCTOR BASE COLOR	CONDUCTOR 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

NOTES: (SEE SHEET 1 FOR STANDARD NOTES 1-3, WIRE COLOR & SYMBOL LEGEND TABLES.)

1. ALL FIELD WIRING REPRESENTED BY DASHED LINES SHALL BE CLASS 2.
2. TO SHUT DOWN UNIT FOR EMERGENCY STOP, CONNECT FIELD SUPPLIED CONTROL DEVICE ACROSS PINS 1 & 2. UNIT STOPS WHEN SWITCH CLOSES.
3. WIRING SHOWN FOR UNITS WITH GAS HEAT OR HEAT PUMP UNITS WITHOUT ELETRIC HEAT. SEE INSET A FOR UNITS WITH ELETRIC HEAT.
4. SEE APPLICABLE SCHEMATIC / COMPONENT LOCATION DIAGRAM FOR ELECTRIC HEAT DIAGRAM FOR BALANCE OF CIRCUIT WHEN OPTIONAL ELECTRIC HEAT IS REQUIRED.
5. OPTIONAL LEAK DETECTION SENSOR PRESENT ON 4T/5T HOT GAS REHEAT ONLY.

DESIGNER:	C.CATHCART
ENGINEER:	D. MACVICAR
TRANE © DATE:	29-JAN-2025
REPLACES:	--
SIMILAR TO:	--
REVISION DATE:	--
REVISED BY:	--
APPROVED BY:	--
CAD SYSTEM USED:	CREO SCHEMATICS

TRANE ®

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PRECEDENT
UNIT SCHEMATIC
SCHEMATIC; SHEET 3
CONTROLS, SYMBIO 700
UNIT CONTROLS, HEAT PUMP

MASTER NUMBER:	DRAWING NUMBER:	SHEET:	REV
--	12135047	3	A