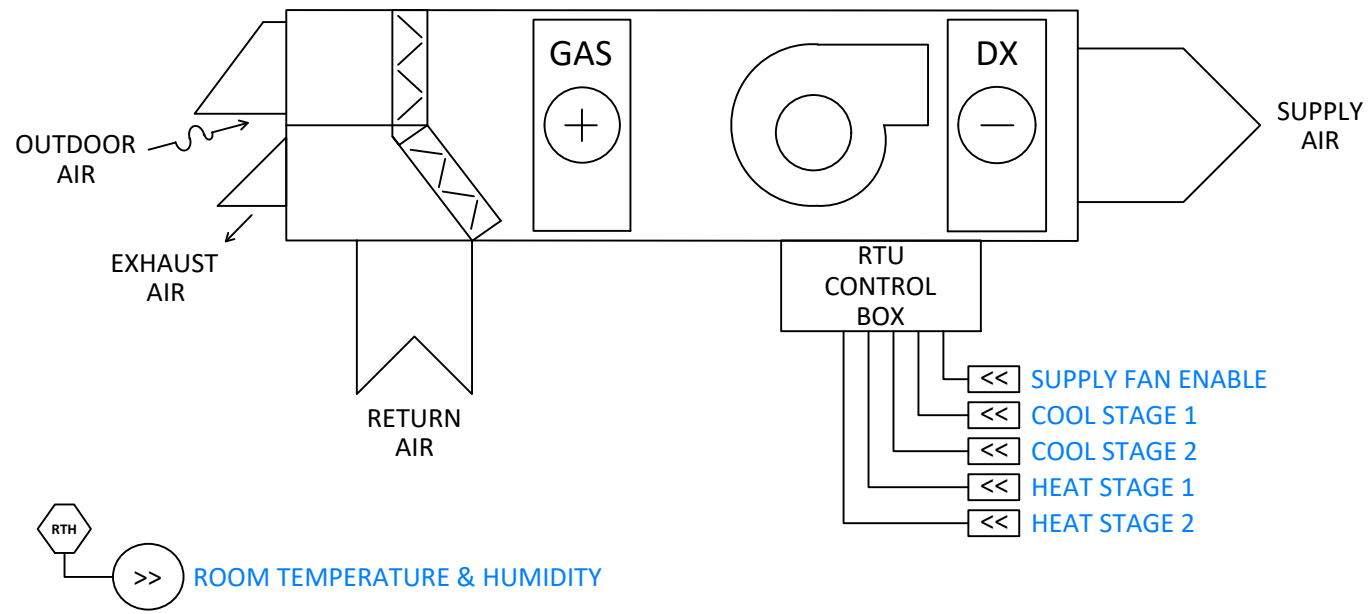


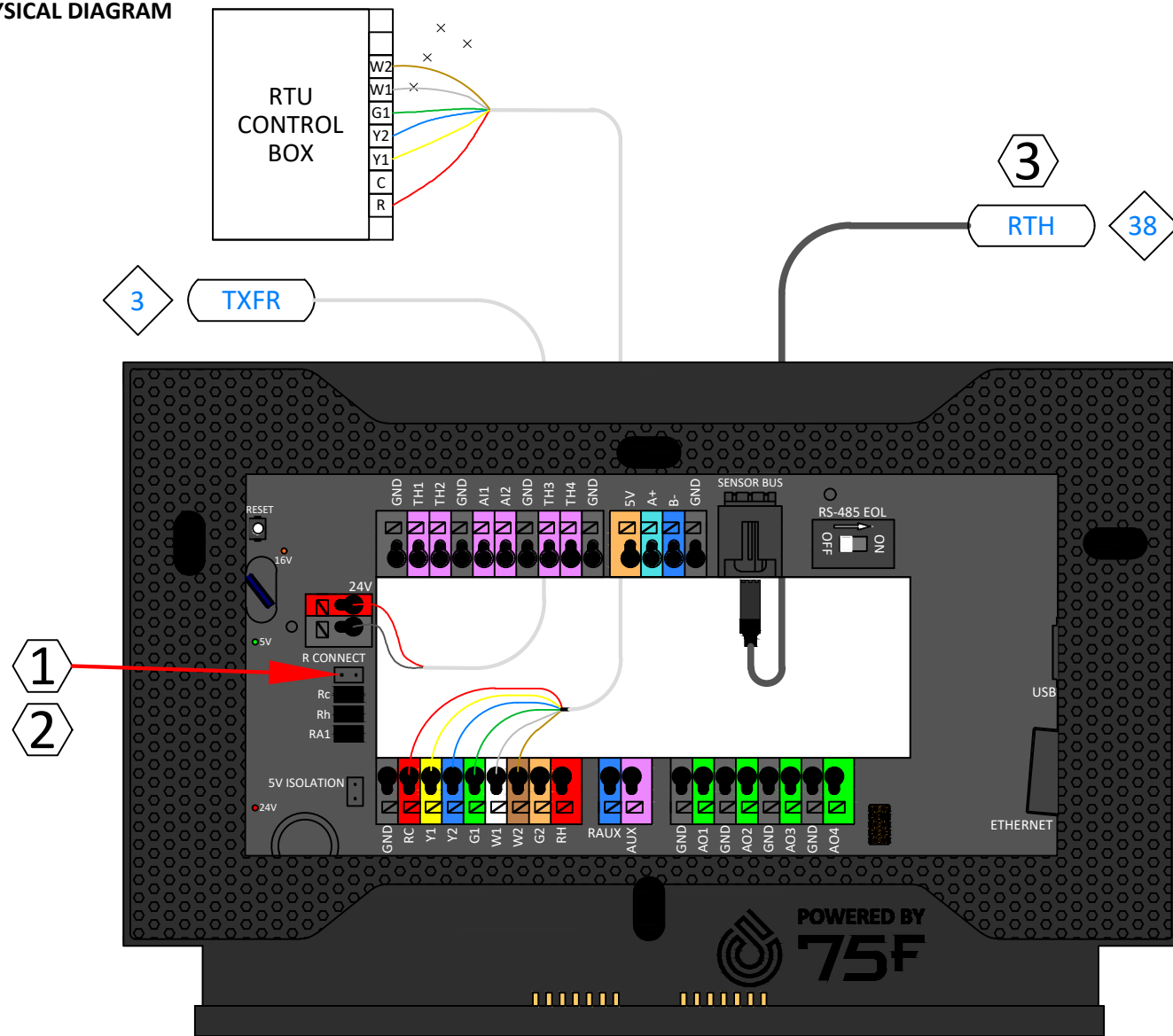
LOGICAL DIAGRAM



POINTS LIST

| CENTRAL CONTROL UNIT (CCU) | | | | | |
|-----------------------------|-----------|-------|----------------------------------|-----|--------------|
| DESCRIPTION | POINT | TAG | DEVICE RANGE | MFG | PART # |
| SPARE | TH1 | | 10K TYPE II OR DIGITAL | | |
| SPARE | TH2 | | 10K TYPE II OR DIGITAL | | |
| SPARE | AI1 | | 0-10VDC | | |
| SPARE | AI2 | | 0-10VDC | | |
| COOL STAGE 1 | BO1 (Y1) | TSTAT | CC = ENABLE | - | (TO UNIT) |
| COOL STAGE 2 | BO2 (Y2) | TSTAT | CC = ENABLE | - | (TO UNIT) |
| SUPPLY FAN ENABLE | BO3 (G) | TSTAT | CC = ENABLE | - | (TO UNIT) |
| HEAT STAGE 1 | BO4 (W1) | TSTAT | CC = ENABLE | - | (TO UNIT) |
| HEAT STAGE 2 | BO5 (W2) | TSTAT | CC = ENABLE | - | (TO UNIT) |
| SPARE | BO6 (O/B) | | WET CONTACT | | |
| SPARE | AO1 | | 0-10VDC | | |
| SPARE | AO2 | | 0-10VDC | | |
| SPARE | AO3 | | 0-10VDC | | |
| SPARE | AO4 | | 0-10VDC | | |
| POWER IN | R | TXFR | 24VAC | 75F | 3X-PS-C7X-X |
| ROOM TEMPERATURE & HUMIDITY | RTS | RTH | 3-PIN CABLE (NO LOCAL INTERFACE) | 75F | 7X-SE-C42K-X |
| SPARE | RS485 | | 3-WIRE RS-485 | | |

PHYSICAL DIAGRAM



SEQUENCE OF OPERATION

THE RTUs WILL USE THE DIFFERENCE BETWEEN THE WEIGHTED AVERAGE CURRENT TEMPERATURE AND THE AVERAGE DESIRED TEMPERATURE FOR LOAD CALCULATIONS.

HEATING/ COOLING

1. WHEN OCCUPANCY BEGINS, THE UNIT WILL START THE SUPPLY FAN.
2. AS DEMAND FOR COOLING INCREASES, THE COOLING WILL STAGE UP. GENERALLY WHEN THE DELTA T IS 2°F, BOTH STAGES OF COOLING WILL BE RUNNING.
3. AS DEMAND FOR HEATING INCREASES, THE HEATING WILL STAGE UP. GENERALLY WHEN THE DELTA T IS 2°F, BOTH STAGES OF HEATING WILL BE RUNNING.

ECONOMIZING

4. THE ECONOMIZER (IF PRESENT) SHALL BE BY THE UNIT'S INTERNAL CONTROLS.

75F COMMISSIONING NOTES:

- SYSTEM PROFILE WILL BE SET TO "DAB STAGED RTU".
- ENABLE: RELAY 1 (Y1), RELAY 2 (Y2), RELAY 3 (G1), RELAY 4 (W1), AND RELAY 5 (W2)
- CONFIGURE RELAYS AS FOLLOWS:
 - RELAY 1 = COOLING STAGE 1
 - RELAY 2 = COOLING STAGE 2
 - RELAY 3 = FAN STAGE 1
 - RELAY 4 = HEATING STAGE 1
 - RELAY 5 = HEATING STAGE 2

Drawing Notes:

- ① WHEN USING ISOLATED POWER SUPPLY, REMOVE R CONNECT JUMPER. FAILURE TO DO REMOVE WILL VOID WARRANTY.
- ② WHEN USING ISOLATED POWER SUPPLY, DO NOT LAND 24V COMMON FROM RTU T-STAT WIRE
- ③ WALL SENSOR MUST BE INSTALLED IN A LOCATION MOST REPRESENTATIVE THE AVERAGE SPACE CONDITIONS



Project Name:
75F DESIGN MASTER
REV. 1.4

Project Address:

DB: **CB:** **Page:** **of**

Drawing: DAB STAGED RTU WITH RTH