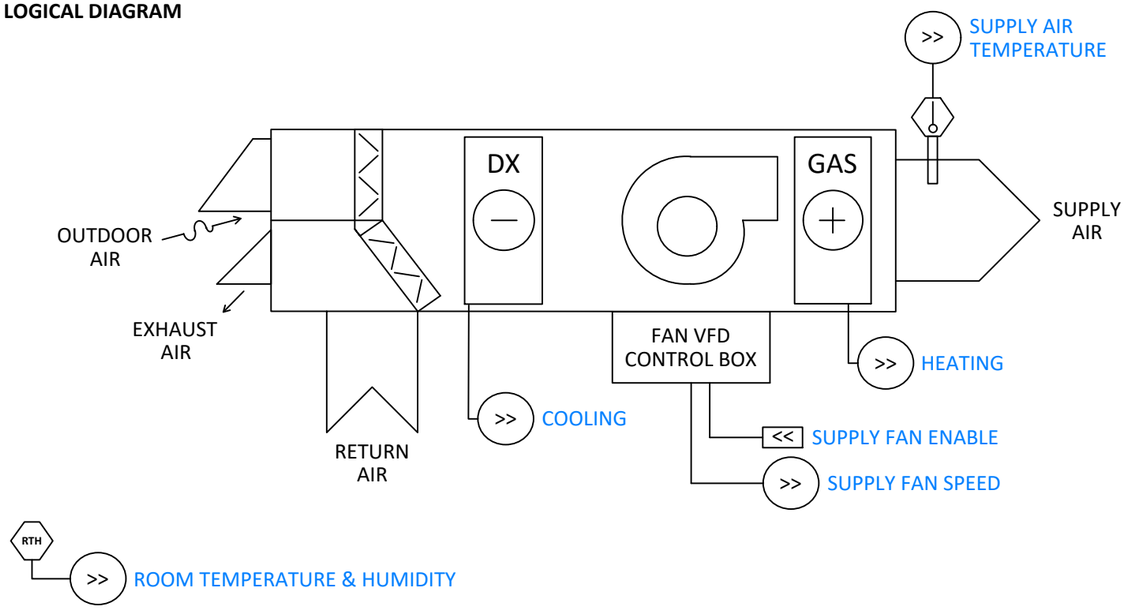
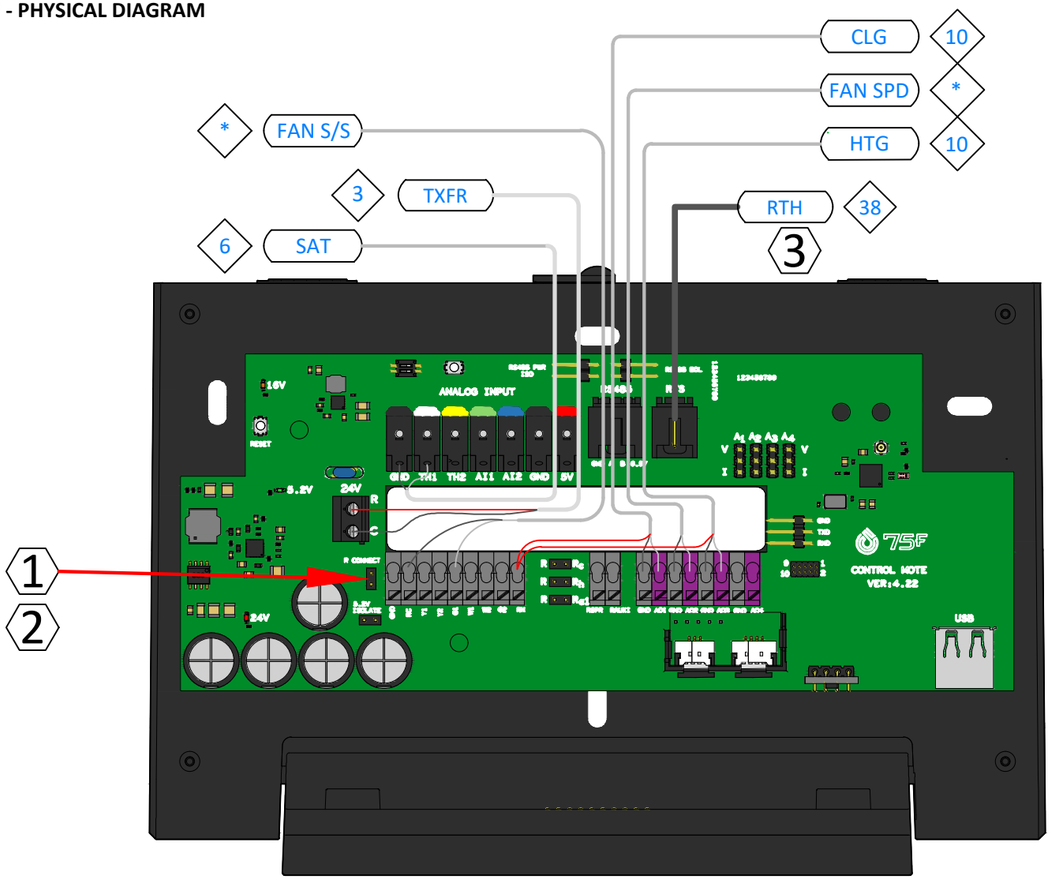
6.1 - LOGICAL DIAGRAM



6.2 - POINTS LIST

CENTRAL CONTROL UNIT (CCU)					
DESCRIPTION	**POINT**	**TAG**	**DEVICE RANGE**	**MFG**	**PART #**
SUPPLY AIR TEMPERATURE	TH1	SAT	10K TYPE II	75F	3X-SE-C29X-X
SPARE	TH2		10K TYPE II OR DIGITAL		
SPARE	AI1		0-10VDC		
SPARE	AI2		0-10VDC		
COOL STAGE 1	BO1 (Y1)		CC = ENABLE		
COOL STAGE 2	BO2 (Y2)		CC = ENABLE		
SUPPLY FAN ENABLE	BO3 (G)	FAN S/S	DRY CONTACT		
HEAT STAGE 1	BO4 (W1)		CC = ENABLE		
HEAT STAGE 2	BO5 (W2)		CC = ENABLE		
SPARE	BO6 (O/B)		WET CONTACT		
COOLING COMMAND	AO1	CLG	2-10VDC		
SUPPLY FAN SPEED	AO2	FAN SPD	2-10VDC		
HEATING COMMAND	AO3	HTG	2-10VDC		
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		4-PIN CONNECTOR		

6.3 - PHYSICAL DIAGRAM



6.4 - SEQUENCE OF OPERATION

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

HEATING/ COOLING

1. WHEN OCCUPANCY BEGINS, THE UNIT WILL START THE SUPPLY FAN.
2. AS DEMAND FOR HEATING OR COOLING INCREASES, THE SUPPLY FAN WILL INCREASE PROPORTIONALLY FROM 0-100%
3. AS DEMAND FOR COOLING INCREASES, THE COOLING COMMAND WILL INCREASE FROM 0% - 100%.
4. AS DEMAND FOR HEATING INCREASES, THE HEATING COMMAND WILL INCREASE FROM 0% - 100%.

ECONOMIZING

5. THE ECONOMIZER (IF PRESENT) SHALL BE BY THE UNIT's INTERNAL CONTROLS.

75F COMMISSIONING NOTES:
- SYSTEM PROFILE WILL BE SET TO "DAB FULLY MODULATING AHU".
- ENABLE: ANALOG-OUT 1, ANALOG-OUT 2, ANALOG-OUT 3, AND RELAY 3 (G1)
- CONFIGURE RELAYS AS FOLLOWS:

RELAY 3 = FAN ENABLE

SET CONFIGURATIONS AS FOLLOWS (FIELD VERIFY ALL SETTINGS):

ANALOG-OUT 1 AT MIN COOLING: 2 ANALOG-OUT 1 AT MAX COOLING: 10
ANALOG-OUT 2 AT MIN STATIC PRESSURE: 0 ANALOG-OUT 2 AT MAX STATIC PRESSURE: 10
ANALOG-OUT 3 AT MIN HEATING: 2 ANALOG-OUT 3 AT MAX HEATING: 10

* NOTE: REFERENCE VFD INSTALLATION MANUAL FOR WIRING DETAILS AND CONFIGURATION INSTRUCTIONS.

Drawing Notes:

① WHEN DRY CONTACT IS NEEDED FOR VFD ENABLE, REMOVE RC JUMPER. FAILURE TO DO SO WILL VOID WARRANTY.

② USE 24VAC FROM RH TERMINAL ONLY IF TOTAL ACTUATOR AND CCU POWER DOES NOT EXCEED THE TXFR CAPACITY

③ WALL SENSOR MUST BE INSTALLED IN A LOCATION MOST REPRESENTATIVE THE AVERAGE SPACE CONDITIONS

75F

Project Name: 75F DESIGN MASTER REV. 1.4

Project Address:

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

Drawing: DAB FULLY MODULATING AHU