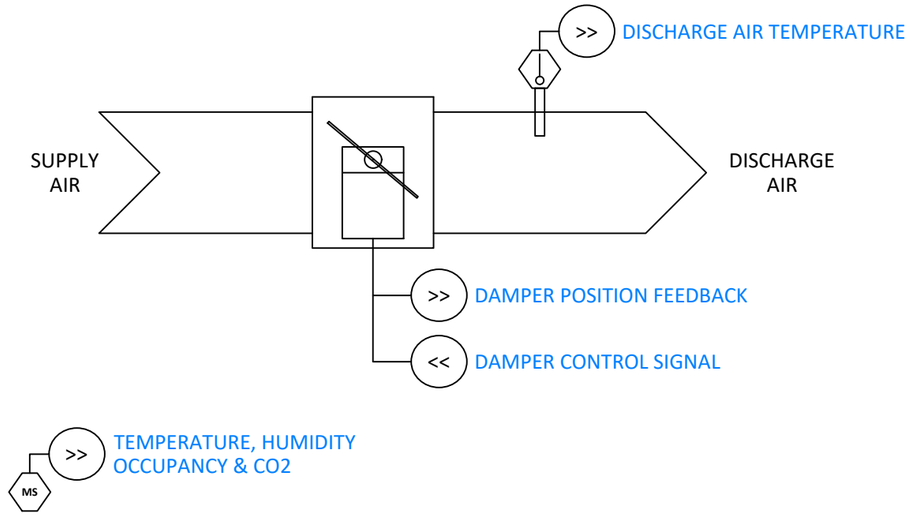
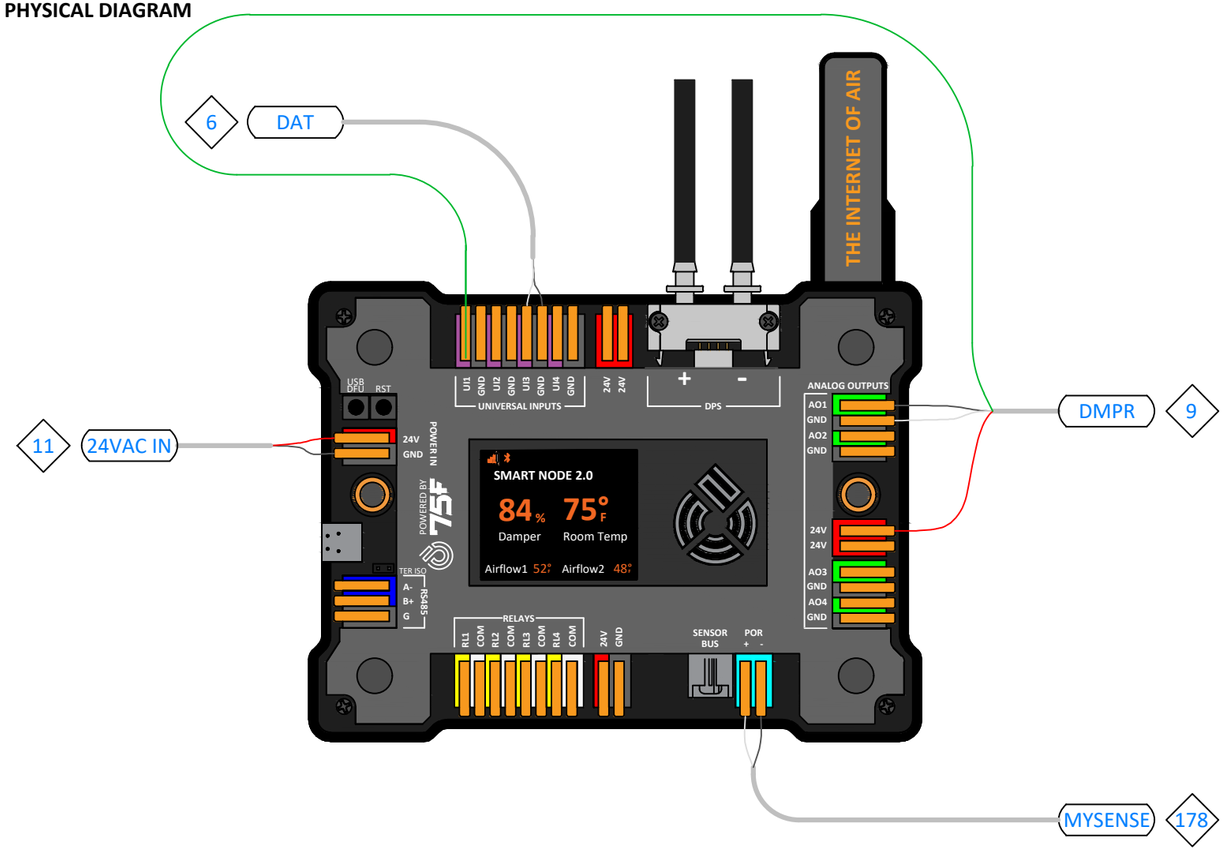
LOGICAL DIAGRAM



POINTS LIST

SMART NODE					
DESCRIPTION	**POINT**	**TAG**	**DEVICE RANGE**	**MFG**	**PART #**
DAMPER POSITION FEEDBACK	UI1	DMPR	0-10VDC FEEDBACK = 0-100% OPEN	75F	7X-AT-C6X-X
SPARE	UI2		DIGITAL / 10K TYPE II / 0-10VDC		
DISCHARGE AIR TEMPERATURE	UI3	DAT	°F (10K TYPE II)	75F	3X-SE-C29X-X
SPARE	UI4		°F (10K TYPE II)		
DAMPER CONTROL SIGNAL	AO1	DMPR	0-10VDC SIGNAL = 0-100% OPEN	75F	7X-AT-C6X-X
SPARE	AO2		0-10VDC / 4-20mA		
SPARE	AO3		0-10VDC / 4-20mA		
SPARE	AO4		0-10VDC / 4-20mA		
SPARE	RELAY 1		DRY CONTACT		
SPARE	RELAY 2		DRY CONTACT		
SPARE	RELAY 3		DRY CONTACT		
SPARE	RELAY 4		DRY CONTACT		
TEMP, HUMIDITY, OCC & CO2	POR	MYSENSE	2-WIRE POR	75F	7X-TS-C6K-C2
SPARE	SENSOR BUS		3-WIRE SENSOR BUS		
SPARE	RS-485		3-WIRE RS-485		
24VAC IN/OUT	POWER IN	24VAC IN	24VAC		

PHYSICAL DIAGRAM



SEQUENCE OF OPERATION

THE CONTROLLER MODULATES THE SUPPLY AIR DAMPER TO MAINTAIN THE ROOM TEMPERATURE AT SETPOINT ACCORDING TO ASHRAE GUIDELINE 36.

COOLING

WHEN THE SYSTEM IS COOLING AND THE ZONE ALSO REQUIRES COOLING, THE DAMPER WILL MODULATE FROM ITS MINIMUM POSITION WHEN THERE IS NO LOAD TO MAXIMUM POSITION WHEN THE LOAD IS 100%.

WHEN THE SYSTEM IS IN HEATING AND THE ZONE REQUIRES HEATING, THE DAMPER WILL MODULATE TO NEAR ITS MAXIMUM POSITION UNTIL THE ZONE IS SATISFIED. ONCE ANY ZONE REQUIRES COOLING, THE SYSTEM WILL STOP PROVIDING HEAT AND WILL SWITCH BACK INTO COOLING.

75F COMMISSIONING NOTES

- EACH OF THE ZONE CONTROLS SHOULD BE PAIRED AS A 'VAV NO REHEAT - NO FAN' ZONE PROFILE.
- CONFIGURE:
  - DAMPER TYPE: 0-10V
  - SIZE: DETERMINED BY INSTALLER
  - SHAPE: DETERMINED BY INSTALLER
  - REHEAT TYPE: NO REHEAT
  - ZONE PRIORITY: NORMAL
  - AUTO FORCE OCCUPIED: DISABLED (UNLESS REQUIRED)
  - AUTO AWAY: DISABLED (UNLESS REQUIRED)
  - ENABLE CFM CONTROL: ENABLED
  - K-FACTOR: DETERMINED BY INSTALLER
- SET ALL CFM SETPOINTS PER PROJECT SPECIFICATION

Drawing Notes:

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③

75F

Project Name: 75F DESIGN MASTER REV. 1.4

Project Address:

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

Drawing: VAV (NO REHEAT) ZONE WITH MYSENSE - SNV2