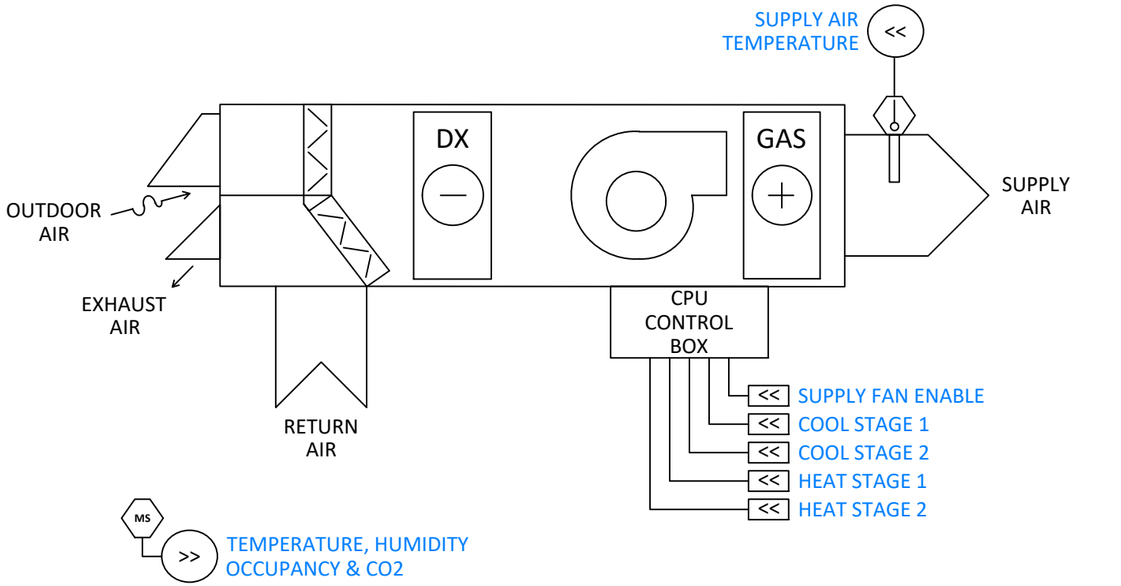
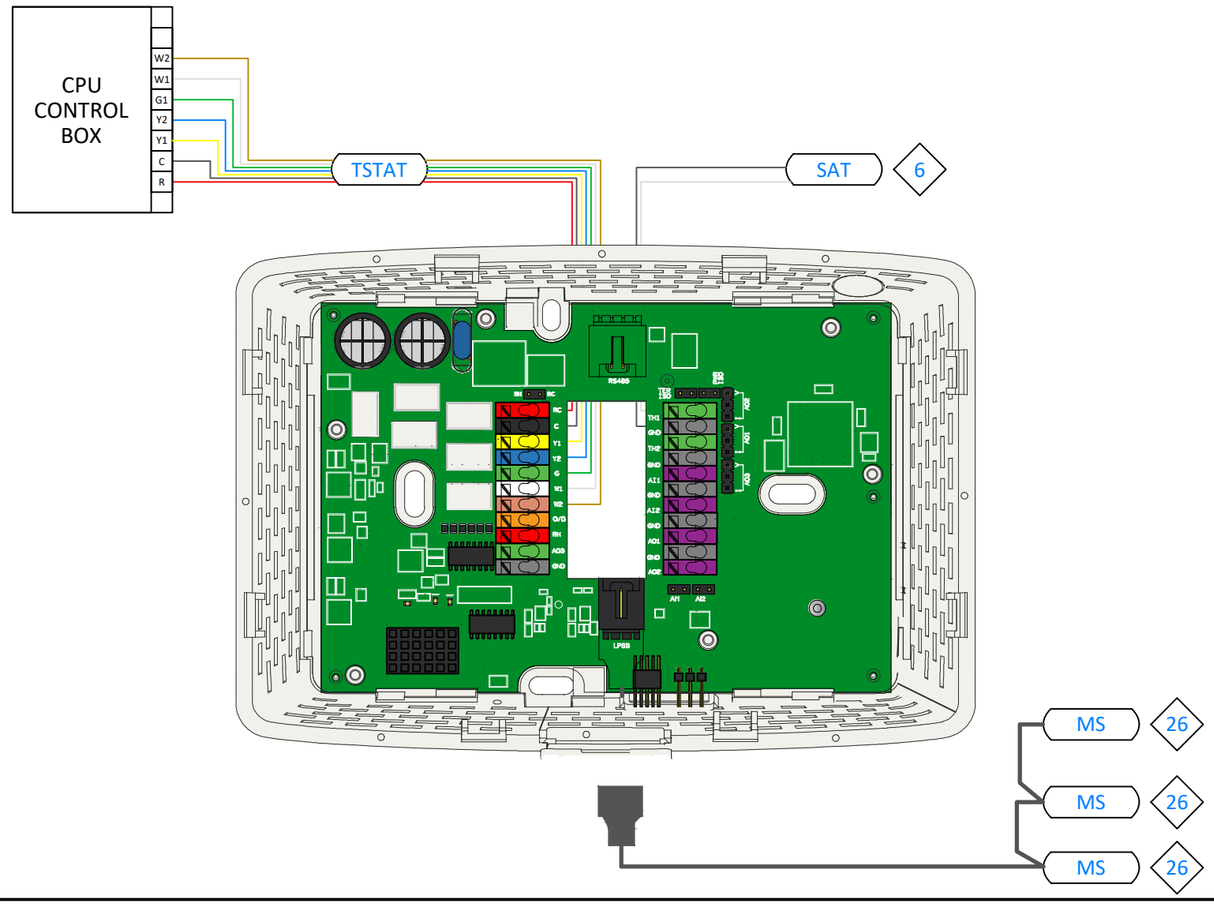
X.1 - LOGICAL DIAGRAM



X.2 - POINTS LIST

HYPERSTAT					
DESCRIPTION	**POINT**	**TAG**	**DEVICE RANGE**	**MFG**	**PART #**
SPARE	AI1		0-10VDC		
SPARE	AI2		0-10VDC		
SUPPLY AIR TEMPERATURE	TH1	SAT	°F (10K TYPE II)	75F	3X-SE-C31X-X
SPARE	TH2		10K TYPE II OR DIGITAL		
COOL STAGE 1	Y1	TSTAT	CC = ENABLE	-	(TO UNIT)
COOL STAGE 2	Y2	TSTAT	CC = ENABLE	-	(TO UNIT)
SUPPLY FAN ENABLE	G	TSTAT	CC = ENABLE	-	(TO UNIT)
HEAT STAGE 1	W1	TSTAT	CC = ENABLE	-	(TO UNIT)
HEAT STAGE 2	W2	TSTAT	CC = ENABLE	-	(TO UNIT)
SPARE	O/B				
SPARE	AO1		0-10VDC		
SPARE	AO2		0-10VDC		
SPARE	AO3		0-10VDC		
POWER IN	R	TSTAT	24VAC (FROM UNIT)		
TEMP, HUMIDITY, OCC & CO2	RTS	MS	3-PIN CABLE (NO LOCAL INTERFACE)	75F	7X-SE-C72K-X
SPARE	RS485		4-PIN CONNECTOR		

X.3 - PHYSICAL DIAGRAM



X.4 - SEQUENCE OF OPERATION

THE RTUs WILL USE THE DIFFERENCE BETWEEN THE CURRENT TEMPERATURE AND THE 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.

75F COMMISSIONING NOTES:

- SYSTEM PROFILE WILL BE SET TO "HYPERSTAT CONVENTIONAL PACKAGED UNIT".
- 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:

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75F

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Project Address:

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Drawing: HYPERSTAT CPU w MULTISENSOR AVERAGING