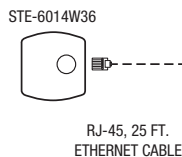
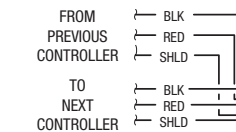




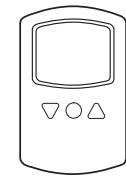
**EZVAV DIGITAL CONTROLS
SERIES FAN POWERED (CAV) TERMINAL UNIT
COOLING WITH BINARY HEAT (STAGED ELECTRIC OR ON/
OFF HOT WATER) • PRESSURE INDEPENDENT
MODELS: 35SE(ST), 35SW(ST), 37SE(ST) & 37SW(ST) N304**

IF CONTROLLERS ARE TO BE NETWORKED TOGETHER, TURN ON EOL DIP SWITCHES ON THE CONTROLLERS AT BOTH PHYSICAL ENDS OF THE NETWORK. CONNECT SHIELD TO EARTH GROUND AT ONLY ONE POINT.

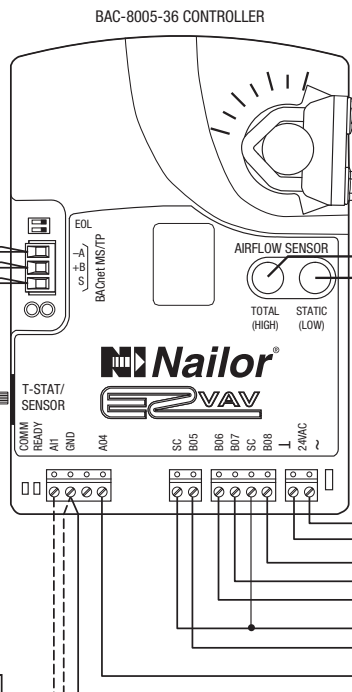


RJ-45, 25 FT. ETHERNET CABLE

STE-8001W36/8201W36



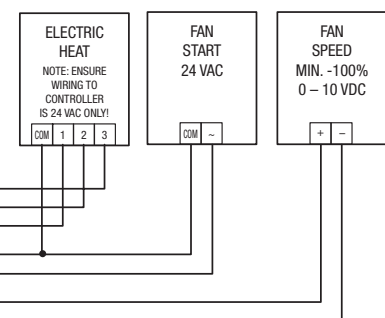
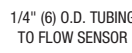
STE-1401 DISCHARGE AIR TEMPERATURE SENSOR
10 KΩ, TYPE 3 (FIELD WIRED AND INSTALLED)



EXTERNAL CONNECTIONS:
A11 = DAT SENSOR
A04 = FAN SPEED
B05 = FAN ENABLE
B06 = REHEAT #1
B07 = REHEAT #2
B08 = REHEAT #3

NOTES:
1. CONTROLLER SETTINGS MUST BE INITIALLY SET USING A STE-8XXX.

UP TO 3 STAGES ELECTRIC HEAT (FACTORY SUPPLIED AND MOUNTED) OR 24 VAC ON/OFF HOT WATER VALVE (FIELD SUPPLIED AND WIRED BY OTHERS)



————— FACTORY WIRING
- - - - - FIELD WIRING

Room Temperature Sensor Option:

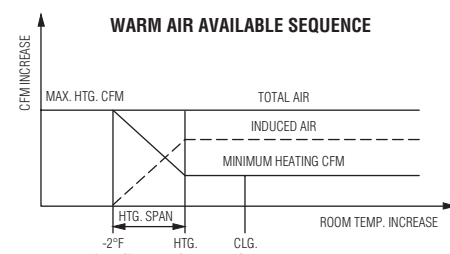
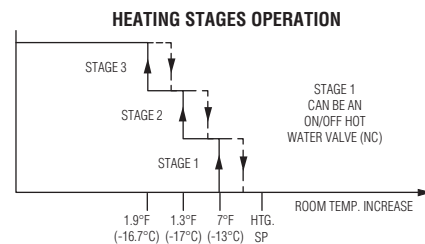
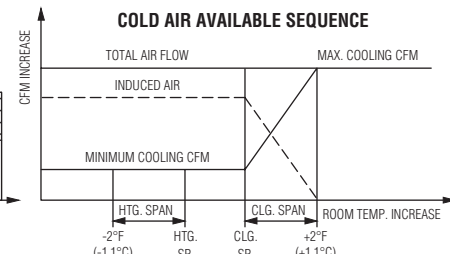
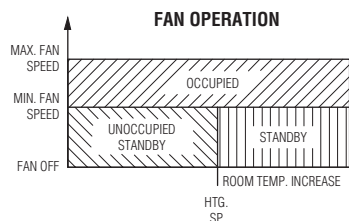
- TSD Digital Display (STE-8001W36)
- TSDO Digital Display w/Occupancy Motion Sensor (STE-8201W36)
- TSR Rotary Dial (STE-6014W36)

CONTROL SEQUENCE N304

Sequence of Operation:

1. Changeover/Morning Warm-up (Central AHU Heat/Cool): If supply air as measured by the discharge air temperature (DAT) sensor is below 72°F (22.2°C), cool air is said to be available. If supply air is above 76°F (24.4°C), warm air is said to be available. Any time warm air is available, auxiliary heat is locked out.
2. Cool Air Available: As space temperature rises above the cooling setpoint, the controller increases primary airflow. At a space temperature of 2°F (1.1°C) above the cooling setpoint, maximum cooling airflow is maintained. On a decrease in space temperature, the controller reduces airflow. Below cooling setpoint, minimum airflow is maintained.
3. The fan is started during occupied and standby modes and runs continuously at maximum fan speed. The fan induces warm ceiling plenum air as the primary airflow varies and maintains a constant volume to the space. During unoccupied mode, the fan starts on a call for heating only. The fan stops only during unoccupied mode when there is no call for heat. EPIC ECM Motor Only: During standby and unoccupied modes, the fan runs at minimum fan speed.
4. Supplemental Heat: As the space temperature drops below the heating setpoint, up to 3 stages of electric heat are energized respectively. As the space temperature rises back toward the heating setpoint, heating stages 3, 2 and 1 turn off respectively (Alternatively, an on/off two position spring return hot water valve can be controlled).
5. Warm Air Available: At a space temperature of 2°F (1.1°C) below the heating setpoint, maximum heating airflow is maintained. On an increase in space temperature, airflow decreases. As space temperature rises above the heating setpoint, minimum heating airflow is maintained.

Note: DO NOT enable the DAT Discharge Air Temperature limiting feature for binary staged or on/off reheat as short cycling will occur.



SCHEDULE TYPE:					
PROJECT:					
ENGINEER:		DATE	B SERIES	SUPERSEDES	DRAWING NO.
CONTRACTOR:		2 - 22 - 23	3500	10 - 20 - 16	D35N304