

These are brief instructions for installing a SimplyVAV controller. To view a short video of this procedure or to download a PDF of *The Simply VAV Installation and Applications Guide*, browse to the simplyVAV web site.



simplyvav.com

### 1 Align the damper and drive hub

Manually rotate the damper on the VAV box to the fully open position.

Press the gear clutch button and rotate the drive hub in the same direction that opened the damper. Turn the hub until it reaches a stop.

### 2 Mount the controller to the VAV box.

Place the controller over the damper shaft.

Finger tighten the nuts on the V-bolt to position the shaft in the drive hub.

Center the mounting bushing in the mounting tab and fasten it with a #8 sheet metal screw.

Evenly tighten the V-bolt nuts on the drive hub to 30-35 in-lbs.

### 3 Connect the room sensor cable

Connect a SimplyVAV sensor to the controller with a standard Ethernet cable. Plug the controller end of the cable into the T'stat connector.

### 4 Connect the airflow sensors

Connect the airflow sensor on the VAV box to the airflow ports on the controller. Use 0.25 in. FR tubing.

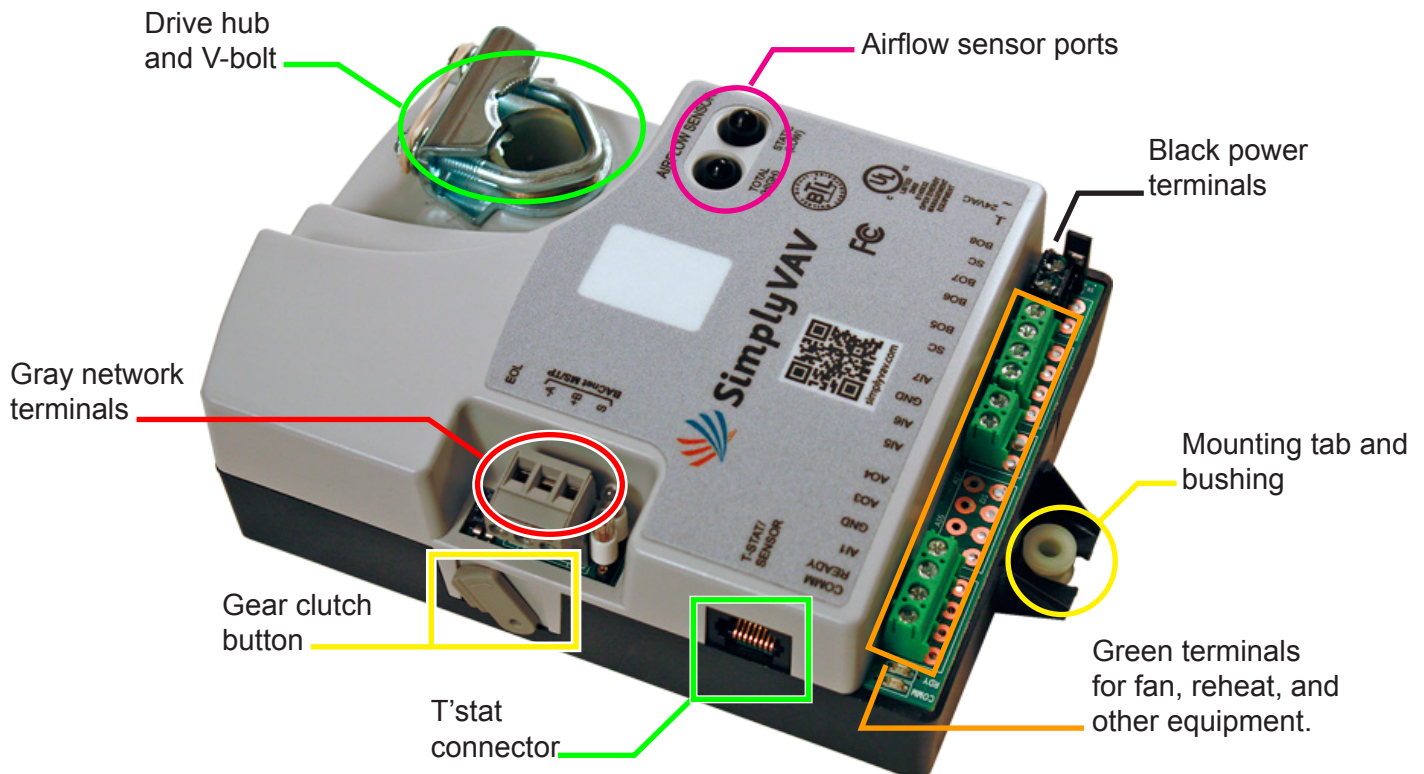
### 5 Connect auxiliary equipment (optional)

Other VAV equipment such as fans, heaters, reheat valves, and discharge air temperature sensors connect at the green terminals.

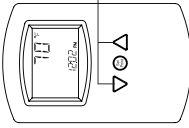
If the controller is part of a BACnet network, wire it to the gray MS/TP network terminals.

### 6 Connect 24 volt power

Connect the controller to a 24 volt, Class 2 transformer at the black power terminals. As soon as power is connected, the controller begins operation.

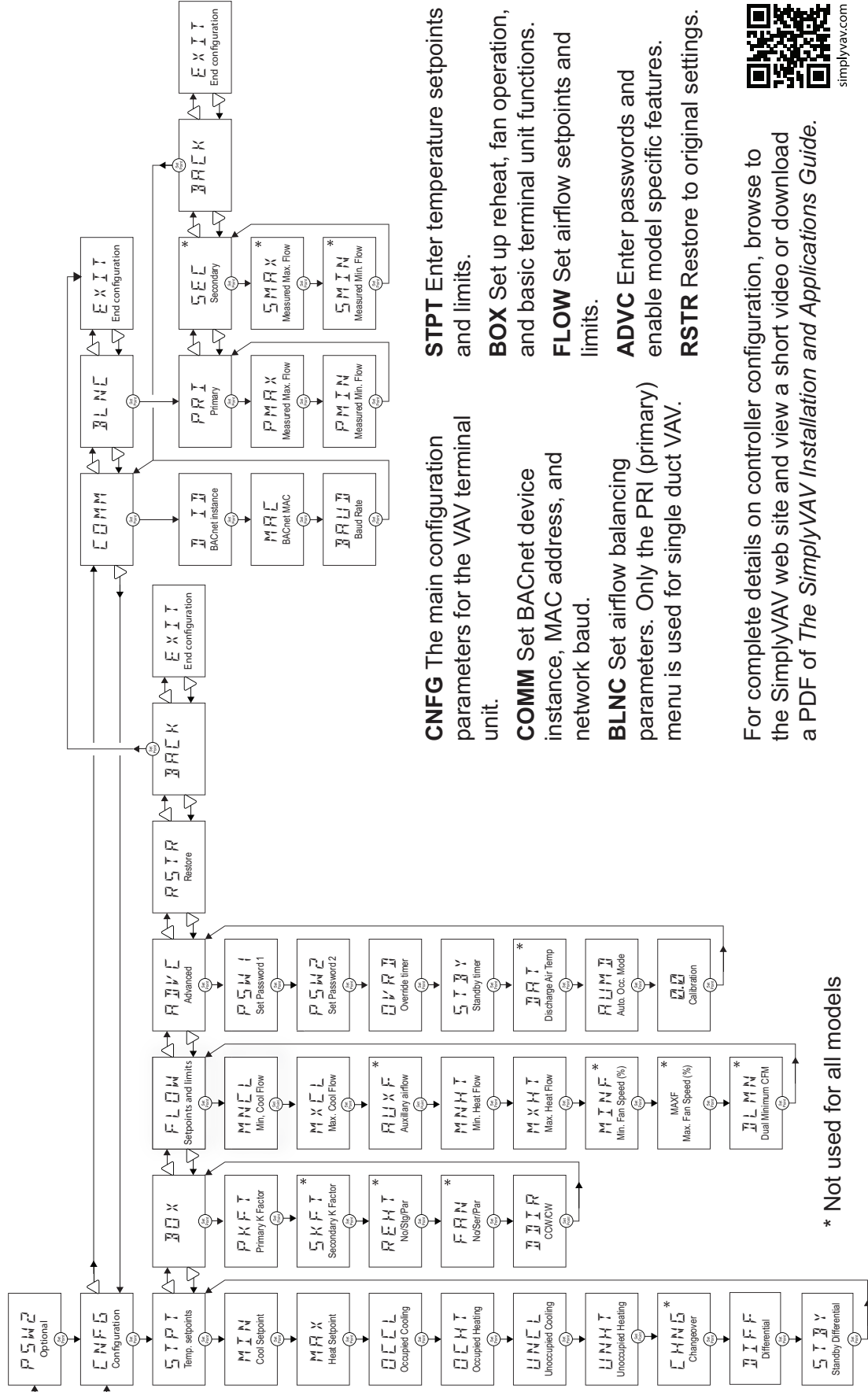


Use an STE-8001 or STE-8201 sensor to configure the Simply VAV controller. If another type of sensor is installed as the room sensor, temporarily connect an STE-8001 as a service tool.



To get started:

- ◆ Press together the up  $\Delta$  and down  $\nabla$  buttons to start configuration or balancing.
- ◆ Enter Password 2 if required. New installations do not have a password.
- ◆ Press the setpoint  $\ominus$  button to choose a selection or save a value.



\* Not used for all models

**CNFG** The main configuration parameters for the VAV terminal unit.

**COMM** Set BACnet device instance, MAC address, and network baud.

**BLNC** Set airflow balancing parameters. Only the PRI (primary) menu is used for single duct VAV.

**STPT** Enter temperature setpoints and limits.

**BOX** Set up reheats, fan operation, and basic terminal unit functions.

**FLOW** Set airflow setpoints and limits.

**ADVC** Enter passwords and enable model specific features.

**RSTR** Restore to original settings.

For complete details on controller configuration, browse to the SimplyVAV web site and view a short video or download a PDF of *The SimplyVAV Installation and Applications Guide*.



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