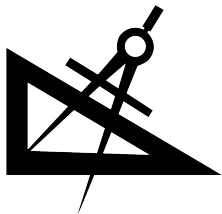


SPECIFIED
CONTROLS

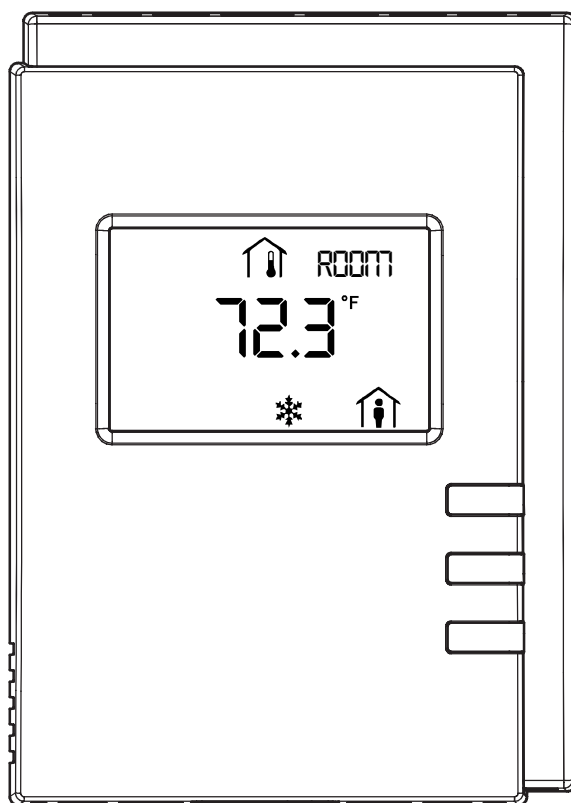


SC-BN-XX

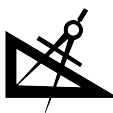
Configuration Guide

BACnet VAV Diffuser

SC-STAT-VU Interface



SPECIFIED
CONTROLS



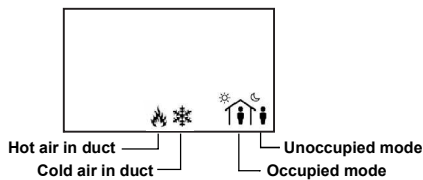
5351 East Thompson Road
Suite 128
Indianapolis, IN 46237
888.359.0365
www.specifiedcontrols.com

Advanced Menu	Button Navigation Guide	
		 and 
	- Enters Advanced menu, when held for 5 sec - Navigates between parameters - Submits a modified parameter	- Goes up one level, when held for 5 sec - Cancels a modified parameter, when held for 5 sec
		- Modifies a parameter - Goes up one level when pressed in Exit screen - Releases an override when both are pressed - Enters into a submenu

SC-BN-XX NETWORK CONFIGURATION

LCD Display

To simplify use, the controller displays information and icons relevant to the current mode of operation or selected menu functions. The illustration below defines the most common icons during normal operation.



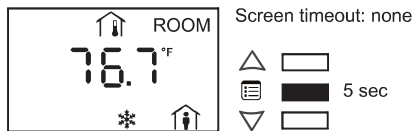
Setting up the Network Parameters

From the Smart Stat General Configuration submenu, the controller's network parameters can be set.

How to enter the General Configuration submenu

To enter the General Configuration submenu:

1. Hold the **Menu** button for five seconds.



The password field appears.

2. Use the arrow keys to increase or decrease the displayed number until it matches the configured password.



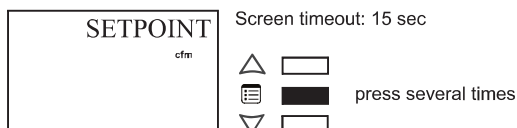
By default, the password is 9995.

3. Press the **Menu** button to submit the password.

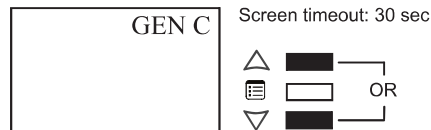


Upon submitting the correct password, the Advanced menu is entered and the Setpoints submenu is displayed.

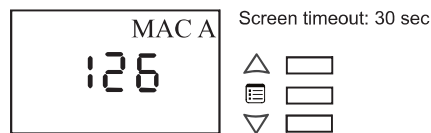
4. Press the **Menu** button several times until **GEN CFG** appears on the display.



5. Press either of the arrow keys to enter the Configuration submenu.



Upon entering the General Configuration submenu, the MAC Address parameter appears.

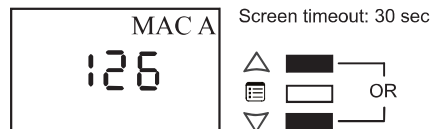


How to set up the BACnet MS/TP communication network parameters

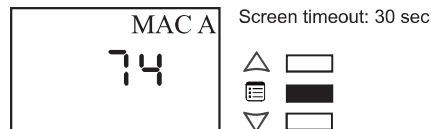
The Smart Stat can be used to set the controller's BACnet MAC address and baud rate. In doing so, the Smart Stat must have a subnet ID of 1.

To set up the network parameters:

1. Use the arrow keys to enter the controller's MAC address.

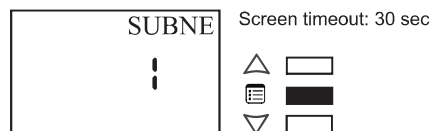


2. Press the **Menu** button to submit the MAC address.



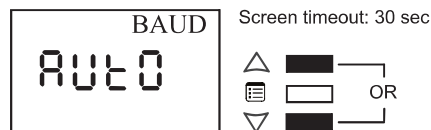
The Smart Stat subnet ID of 1 appears on the display.

3. Press the **Menu** button once to move onto the next parameter.



The Baud Rate parameter appears on the display.

4. Use the arrow keys to set the baud rate.

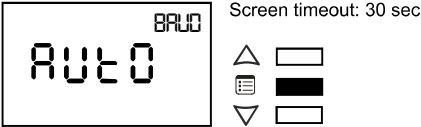


Keep in mind that the all devices on the data bus must be set to the same baud rate. Typically, the baud rate is set at the router level. Therefore, it is recommended to set the baud rate to AUTO so that the baud rate being used on the data bus is automatically detected and applied to the controller accordingly.

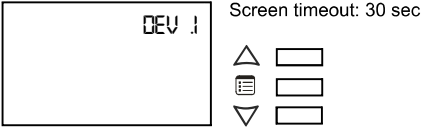
5. Press the **Menu** button to submit the baud rate.

Advanced Menu	Button Navigation Guide		
		 and 	
	- Enters Advanced menu, when held for 5 sec	- Goes up one level, when held for 5 sec	- Modifies a parameter
	- Navigates between parameters	- Cancels a modified parameter, when held for 5 sec	- Goes up one level when pressed in Exit screen
	- Submits a modified parameter		- Releases an override when both are pressed
			- Enters into a submenu

5. Press the **Menu** button to submit the baud rate.



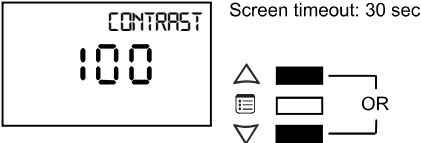
The SC-BN-XX hardware information appears on the display.



The SC-BN-VU's hardware information may be required by Specified Controls Technical Support for troubleshooting purposes.

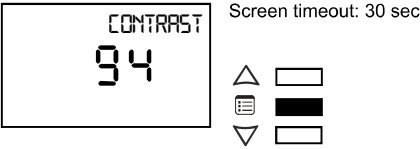
How to adjust the screen contrast

- 1. Navigate to the contrast parameter.
- 2. Use the arrow keys to adjust the screen contrast.



The Contrast parameter ranges from 0 to 100, where smaller values give a dimmer contrast than larger ones.

3. Press the **Menu** button to submit the new contrast level.

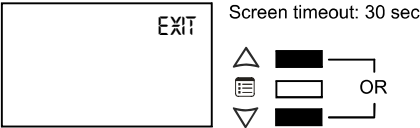


The screen contrast changes according to the new value submitted.

How to exit the General Configuration submenu

To exit the General Configuration submenu and go up one level, do one of the following:

- 1. Press the **Menu** button several times until the Exit screen appears. Then press either of the arrow keys.



- 2. Press and hold the **Menu** button for 5 seconds.

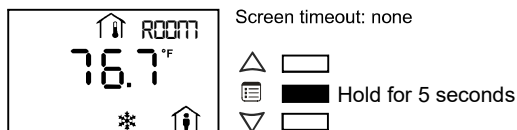
Advanced Menu	Button Navigation Guide	
		 and 
- Enters Advanced menu, when held for 5 sec - Navigates between parameters - Submits a modified parameter	- Goes up one level, when held for 5 sec - Cancels a modified parameter, when held for 5 sec	- Modifies a parameter - Goes up one level when pressed in Exit screen - Releases an override when both are pressed - Enters into a submenu

SC-BN-XX CONFIGURATION

How to enter the Configuration submenu

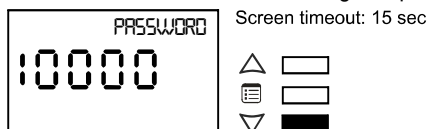
To enter the Configuration submenu:

1. Hold the **Menu** button for five seconds.



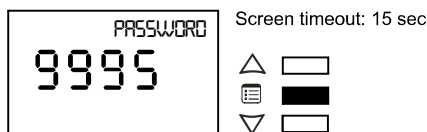
The password field appears.

2. Use the down arrow key to decrease the display number until it matches the configured password.

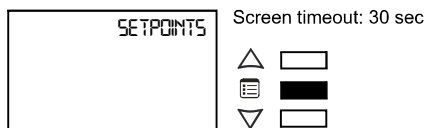


By default, the password is 9995.

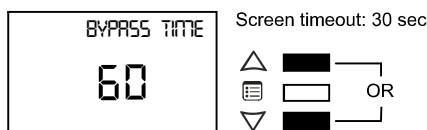
3. Press the **Menu** button to submit the password.



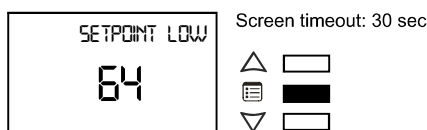
4. Once the password is accepted, press the **Menu** button again and SETPOINTS will appear on the screen.



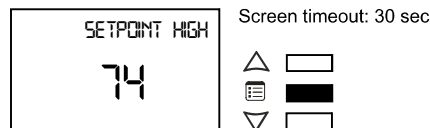
5. Press the up or down arrow key and the Bypass Time will appear. The default setting is 60 minutes. To change the default setting, use the arrow keys.



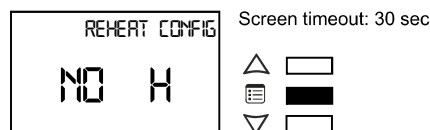
6. Press the **Menu** button again and the Setpoint Low Limit will appear. The default setting is 64° F. To change the default setting, use the arrow keys.



7. Press the **Menu** button again and the Setpoint High Limit will appear. The default setting is 74° F. To change the default setting, use the arrow keys.

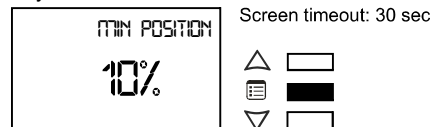


8. Press the **Menu** button again and Reheat Config will appear. The default setting is No Heat. To change the default setting, use the arrow keys.

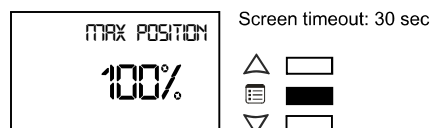


9. Press the **Menu** button again and Min Position Heat will appear only if 1 or 2 stage heating was selected on the previous screen. The default setting is 10%. Use the arrow keys to change the default setting. This screen will be skipped if no reheat is selected and the next screen to appear will be Min Damper Position.

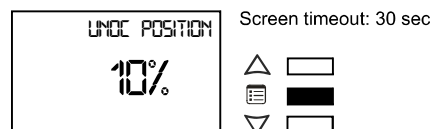
10. Press the **Menu** button again and the Minimum Damper Position will appear. The default setting is 10%. To change the default setting, use the arrow keys.



11. Press the **Menu** button again and the Maximum Damper Position will appear. The default setting is 100%. To change the default setting, use the arrow keys.

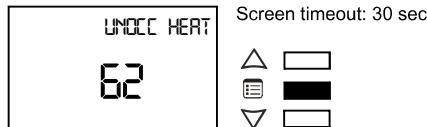


12. Press the **Menu** button again and the Unoccupied Damper Position will appear. The default setting is 10%. To change the default setting, use the arrow keys.

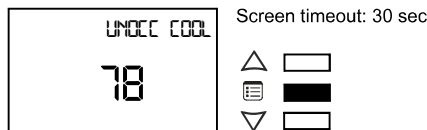


Advanced Menu	Button Navigation Guide		
		 and 	
	- Enters Advanced menu, when held for 5 sec - Navigates between parameters - Submits a modified parameter	- Goes up one level, when held for 5 sec - Cancels a modified parameter, when held for 5 sec	- Modifies a parameter - Goes up one level when pressed in Exit screen - Releases an override when both are pressed - Enters into a submenu

13. Press the **Menu** button again and the Unocc Heat Setpoint will appear. The default setting is 62° F. To change the default setting, use the arrow keys.



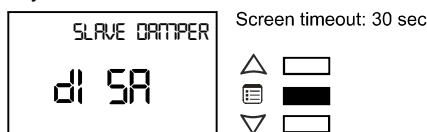
14. Press the **Menu** button again and the Unocc Cool Setpoint will appear. The default setting is 78° F. To change the default setting, use the arrow keys.



15. Press the **Menu** button again and the Max Duct Temp will appear if either 1 or 2 stage reheat was enabled. The default setting is 80° F. To change the default setting, use the arrow keys. This screen will be skipped if no reheat is selected.

16. Press the **Menu** button again and the Max Discharge will appear if either 1 or 2 stage reheat was enabled. The default setting is 120° F. To change the default setting, use the arrow keys. This screen will be skipped if no reheat is selected.

17. Press the **Menu** button again and the Slave Damper Enable will appear. The default setting is Disabled. To change the default setting, use the arrow keys.

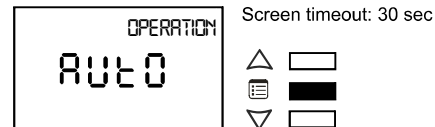


18. Press the **Menu** button again and Motion Bypass will appear if the SC-STAT-VU has a motion detector on board. The default setting is Enable. To change the default setting, use the arrow keys.

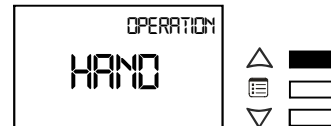
19. Press the **Menu** button again and Motion Bypass Time will appear if the SC-STAT-VU has a motion detector on board. The default setting is 60 minutes. To change the default setting, use the arrow keys.

20. Press the **Menu** button again and CO2 Setpoint will appear if the SC-STAT-VU has CO2 detection on board. The default setting is 800 ppm. To change the default setting, use the arrow keys.

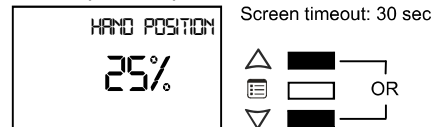
21. Press the **Menu** button again and Operation - Auto will appear. This is the default for automatic damper operation.



22. To use Hand Position, press the UP arrow button until the display reads Operation - Hand. This allows Hand Position to be active. If the UP arrow button is pressed again, the display will toggle back to Auto. Press **Menu** to advance to next screen.

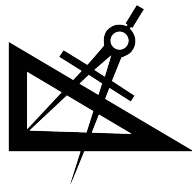


23. When in Hand Position, use the arrow buttons to increase or decrease the damper position value. The default percentage is 25% which is the fixed position the damper will open.



24. Exit the submenu via the arrow keys or let stat timeout.





Configuration Guide

BACnet VAV Diffuser Assembly

Wiring Diagram

NOTES:

1. DASHED LINES INDICATE NEW FIELD WIRING. SOLID LINES INDICATE EXISTING WIRING TO REMAIN OR NEW FIELD WIRING BY OTHERS.
2. ALL FIELD WIRING MUST MEET OR EXCEED THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC), AND THE STATE AND LOCAL REQUIREMENTS.
3. FOR INPUTS & OUTPUTS, THE SHIELD WIRE IS GROUNDED AT THE CONTROLLER END ONLY.
4. WIRING FOR INPUTS & OUTPUTS IS 18 AWG, SHIELDED, TWISTED PAIR WITH STRANDED TINNED COPPER CONDUCTORS.
5. THE BACnet MS/TP NETWORK WIRE IS 24 AWG (0.65 mm) STRANDED, TWISTED SHIELDED PAIR (JACKSON SYSTEM PART #: 24/2 BACnet). THE BACnet MS/TP COMMUNICATION WIRE IS POLARITY SENSITIVE AND THE ONLY ACCEPTABLE TOPOLOGY IS TO DAISS-CHAIN THE CABLE FROM ONE CONTROLLER TO THE NEXT.
6. MOUNT SPACE TEMPERATURE SENSOR PER ADA REQUIREMENTS. FIELD VERIFY LOCATION AND COORDINATE WITH OTHER TRADES.

