SPECIFIED CONTROLS

Configuration Guide
BACnet VAV Diffuser Assembly
SC-STAT-VU Interface

SC-BN-XX

|	Button Navigation Guide		
Advanced Menu	▤		△ 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

Setting up the Network Parameters

From the SC-STAT-VU General Configuration submenu, the controller's network parameters can be set.
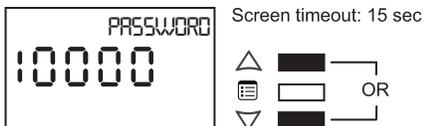
How to enter the General Configuration submenu

To enter the General Configuration submenu:
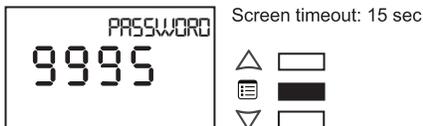
1. Hold the **Menu** button for five seconds.

Screen timeout: none

5 sec
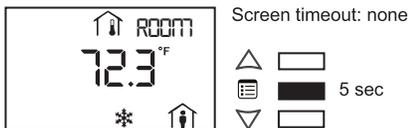
The password field appears.
2. Use the arrow keys to increase or decrease the displayed number until it matches the configured password.

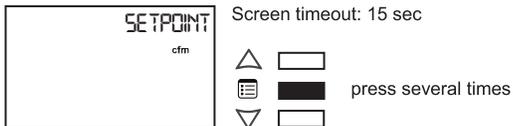Screen timeout: 15 sec

OR

By default, the password is 9995.
3. Press the **Menu** button to submit the password.

Screen timeout: 15 sec

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.

Screen timeout: 15 sec

press several times

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

Screen timeout: 30 sec

OR

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

Screen timeout: 30 sec
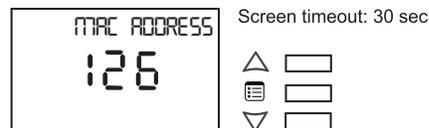
### How to set up the BACnet MS/TP communication network parameters

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

To set up the network parameters:

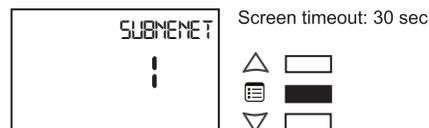1. Use the arrow keys to enter the controller's MAC address.

Screen timeout: 30 sec

OR

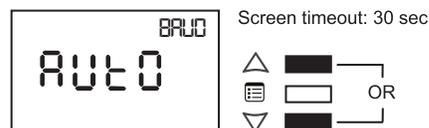2. Press the **Menu** button to submit the MAC address.

Screen timeout: 30 sec
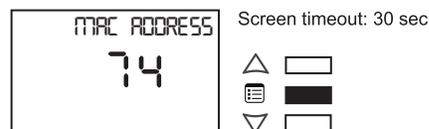
The SC-STAT-VU subnet ID of 1 appears on the display.
3. Press the **Menu** button once to move onto the next parameter.

Screen timeout: 30 sec

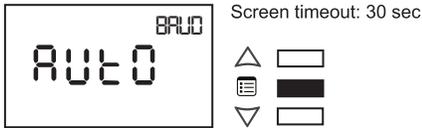The Baud Rate parameter appears on the display.
4. Use the arrow keys to set the baud rate.
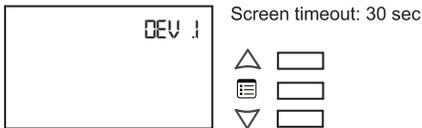

Screen timeout: 30 sec

OR

Keep in mind that all the 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.

Screen timeout: 30 sec

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

Screen timeout: 30 sec

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

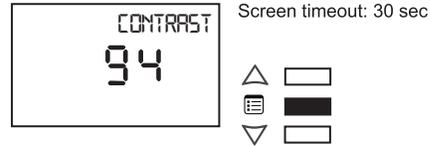## How to adjust the screen contrast

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

Screen timeout: 30 sec

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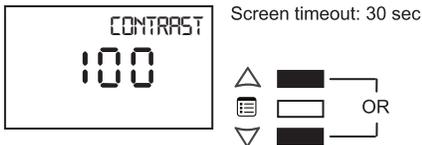
The Contrast parameter ranges from 0 to 100, where smaller values give a dimmer contrast than larger ones.

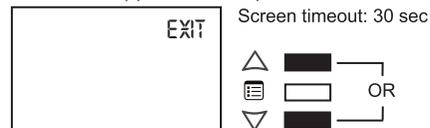3. Press the **Menu** button to submit the new contrast level.

Screen timeout: 30 sec

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.

Screen timeout: 30 sec

OR

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

SC-BN-XX
CONFIGURATION

How to enter the Configuration submenu

To enter the Configuration submenu:

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

⌂ ROOM
76.7°F
❄ ⌂

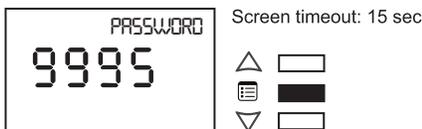Screen timeout: none

△ ▤ ▽ Hold for 5 seconds

The password field appears.

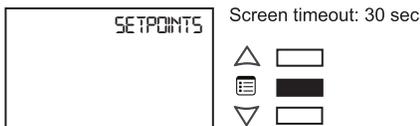2. Use the down arrow key to decrease the display number until it matches the configured password.

PASSWORD
10000

Screen timeout: 15 sec

By default, the password is 9995.

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

PASSWORD
9995

Screen timeout: 15 sec

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

SETPOINTS

Screen timeout: 30 sec

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.
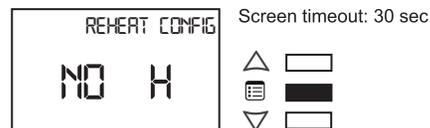
BYPASS TIME
60

Screen timeout: 30 sec

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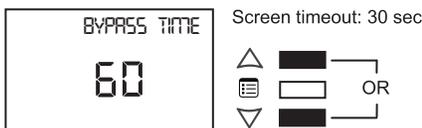
6. Press the **Menu** button again and the Setpoint Low Limit will appear. The default setting is 64° F. To change the default setting, use the arrow keys.

SETPOINT LOW
64

Screen timeout: 30 sec

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.
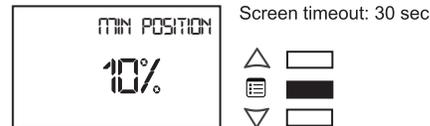
SETPOINT HIGH
74

Screen timeout: 30 sec
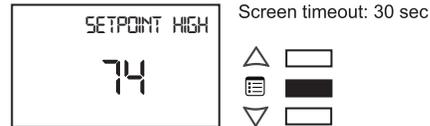
8. Press the **Menu** button again and Reheat Config will appear. The default setting is No Heat. To change the default setting, use the arrow keys.

REHEAT CONFIG
NO H

Screen timeout: 30 sec

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.

MIN POSITION
10%

Screen timeout: 30 sec

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.

MAX POSITION
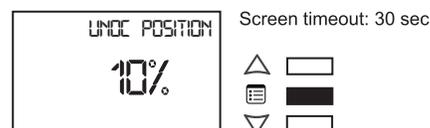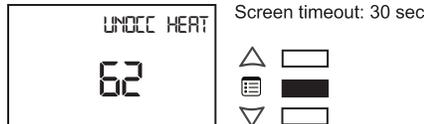**100%**

Screen timeout: 30 sec

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.
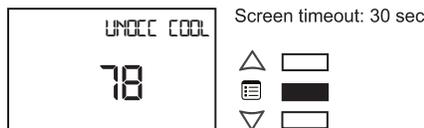
UNOC POSITION
10%

Screen timeout: 30 sec

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.
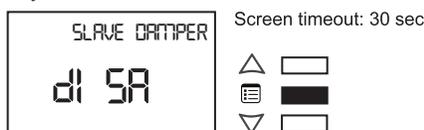
UNOCC HEAT
62

Screen timeout: 30 sec

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.

UNOCC COOL
78

Screen timeout: 30 sec

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.

SLAVE DAMPER
di SA

Screen timeout: 30 sec

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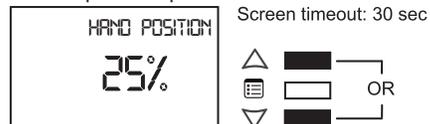
21. Press the **Menu** button again and Operation - Auto will appear. This is the default for automatic damper operation.

OPERATION
Auto

Screen timeout: 30 sec
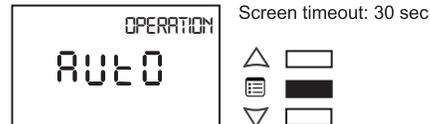
22. To use Hand Position, press the UP arrow button until the display reads Operation - Hand. This allows Hand Position to be active. If the UP arrow button is pressed again, the display will toggle back to Auto. Press **Menu** to advance to next screen.

OPERATION
HAND

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.

HAND POSITION
25%

Screen timeout: 30 sec

OR

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

SPECIFIED
CONTROLS

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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 DAISY-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.