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SpaceLogic Sensors SLP Series Air Quality Sensors - BACnet and Modbus









Note: A subset of models shown

Product Description

The SpaceLogic SLP Series of air quality sensors for living space is a flexible multisensor platform for use with BAS controllers designed to accept BACnet or Modbus outputs. Housings are available in Medium matte white and Optimum faces available in black and white. All housing types are available with three user interface options: touchscreen, LCD with three buttons and blank. CO2 and temperature sensors are included with all SLP Series air quality sensors. Models with VOC sensors and relative humidity sensors are also available.

Features

- Medium matte white housing or optimum glass panel housing available in white or black
- Field calibratable non-dispersive infrared CO₂ sensor
- Replaceable RH element available in 1% & 2% with NIST certificate
- VOC sensor available
- Temperature output on all models
- 61 mm (2.4") backlit color touchscreen and LCD, three button display options available
 - Digital temperature indication (0.1° display resolution of °F or °C)
 - Digital humidity indication (0.1% RH display resolution)
 - Digital CO₂ indication (1 ppm display resolution)
 - Stoplight feature for visual indication at user-configurable CO₂ threshold levels (touchscreen models only)
 - Selectable temp, RH and fan speed setpoint
 - Configurable screen/button lock and display timeout
 - Override
- Selectable BACnet MSTP and Modbus outputs via RS-485
- 18-24 AWG screw terminals

Available Products Matrix

SLP	Housing	User Interface	CO ₂ Sensor	RH Sensor*	Example: SLP S T C 2
	S = Medium white matte housing W = Optimum white housing B = Optimum black housing	T = Color touchscreenL = 3-button LCD displayX = None	$C = NDIR CO_2$ $CV = NDIR CO_2 / VOC$	2 = 2% X = None	

^{*}Replaceable RH module available to be ordered separately per table below.

Replaceable RH Elements

Model	RH Accuracy	Calibration Certificate	Description
SLXRHS1N	±1%	X	Replaceable RH sensor, 1% with NIST certification
SLXRHS2N	±2%	X	Replaceable RH sensor, 2% with NIST certification
SLXRHS2X	±2%		Replaceable RH sensor, 2%



Specifications

Operating Environment				
Input power	Class 2; 20 to 30 Vdc, 24 Vac, 50 to 60 Hz			
Protocol output	BACnet or Modbus via RS-485, selectable			
Operating temp. range	0 to 50 °C (32 to 122 °F)			
Operating humidity range	0 to 95% RH	non-condensing		
Housing material	High impact	ABS plastic		
IP rating	IP 30			
Mounting location	For indoor us	se only. Not suitable for we	et locations.	
Surface mount		an be surface mounted or n Standard and CE60 wall	0	
CO ₂ Sensor				
Sensor type	Non-dispersi	ve infrared (NDIR), diffusion	on sampling	
Output range	0 to 10,000 p	opm		
Accuracy	±30 ppm ±3°	% of measured value		
Repeatability	±20 ppm ±19	% of measured value		
Response time	<60 seconds	for 90% step change		
VOC Sensor				
Sensor type	Solid state			
Output range	0 to 100% AQI for VOC			
Accuracy	±15% of mea	±15% of measured value		
	0 to 1,000 ppb of total VOC (TVOC)			
Output scale	0 to 1,000 pp	ob of total VOC (TVOC)		
Output scale	0 to 1,000 pp	ventilation Recommendation	TVOC (ppb)	
Output scale		Ventilation		
Output scale AQI table*	Level	Ventilation Recommendation	(ppb)	
	Level >61%	Ventilation Recommendation Greatly increased	(ppb) >610	
	Level >61% 20 to 61%	Ventilation Recommendation Greatly increased Significantly increased	(ppb) >610 200 to 610	
	>61% 20 to 61% 10 to 20%	Ventilation Recommendation Greatly increased Significantly increased Slightly increased	(ppb) >610 200 to 610 100 to 200	
	>61% 20 to 61% 10 to 20% 5 to 10%	Ventilation Recommendation Greatly increased Significantly increased Slightly increased Average	(ppb) >610 200 to 610 100 to 200 50 to 100	
AQI table*	Level >61% 20 to 61% 10 to 20% 5 to 10% 0 to 5%	Ventilation Recommendation Greatly increased Significantly increased Slightly increased Average	(ppb) >610 200 to 610 100 to 200 50 to 100	
AQI table*	Level >61% 20 to 61% 10 to 20% 5 to 10% 0 to 5% Solid state co ±3.8% RH fro ±4.8% RH fro	Ventilation Recommendation Greatly increased Significantly increased Slightly increased Average Target value	(ppb) >610 200 to 610 100 to 200 50 to 100 0 to 50	
AQI table* RH Sensor HS sensor Accuracy (includes	Level >61% 20 to 61% 10 to 20% 5 to 10% 0 to 5% Solid state co ±3.8% RH fr ±4.8% RH fr ±5.8% RH fr	Ventilation Recommendation Greatly increased Significantly increased Slightly increased Average Target value apacitive, replaceable om 10 to 60% RH @ 25°C om 60 to 80% RH @ 25°C	(ppb) >610 200 to 610 100 to 200 50 to 100 0 to 50	
RH Sensor HS sensor Accuracy (includes hysteresis)**	Level >61% 20 to 61% 10 to 20% 5 to 10% 0 to 5% Solid state ca ±3.8% RH fr ±4.8% RH fr fr t5.8% RH fr Included in a	Ventilation Recommendation Greatly increased Significantly increased Slightly increased Average Target value apacitive, replaceable om 10 to 60% RH @ 25°C om 60 to 80% RH @ 25°C om 80 to 100% RH @ 25°C	(ppb) >610 200 to 610 100 to 200 50 to 100 0 to 50 6 (77 °F) C (77 °F)	
RH Sensor HS sensor Accuracy (includes hysteresis)** Linearity	Level >61% 20 to 61% 10 to 20% 5 to 10% 0 to 5% Solid state ca ±3.8% RH fr ±4.8% RH fr fr t5.8% RH fr Included in a	Ventilation Recommendation Greatly increased Significantly increased Slightly increased Average Target value apacitive, replaceable om 10 to 60% RH @ 25°C om 60 to 80% RH @ 25°C om 80 to 100% RH @ 25°C com 80 to 100% RH @ 25°C	(ppb) >610 200 to 610 100 to 200 50 to 100 0 to 50 6 (77 °F) C (77 °F)	
RH Sensor HS sensor Accuracy (includes hysteresis)** Linearity Stability	Level >61% 20 to 61% 10 to 20% 5 to 10% 0 to 5% Solid state companies to the state of the	Ventilation Recommendation Greatly increased Significantly increased Slightly increased Average Target value apacitive, replaceable om 10 to 60% RH @ 25°C om 60 to 80% RH @ 25°C om 80 to 100% RH @ 25°C com 80 to 100% RH @ 25°C	(ppb) >610 200 to 610 100 to 200 50 to 100 0 to 50 (77 °F) (77 °F) C (77 °F)	
RH Sensor HS sensor Accuracy (includes hysteresis)** Linearity Stability Output range Temperature	Level >61% 20 to 61% 10 to 20% 5 to 10% 0 to 5% Solid state c: ±3.8% RH fr: ±4.8% RH fr: ±5.8% RH fr: 0 to 100% R ±0.1% RH/°C	Ventilation Recommendation Greatly increased Significantly increased Slightly increased Average Target value apacitive, replaceable om 10 to 60% RH @ 25°C om 60 to 80% RH @ 25°C om 80 to 100% RH @ 25°C	(ppb) >610 200 to 610 100 to 200 50 to 100 0 to 50 (77 °F) (77 °F) C (77 °F)	
RH Sensor HS sensor Accuracy (includes hysteresis)** Linearity Stability Output range Temperature coefficient	Level >61% 20 to 61% 10 to 20% 5 to 10% 0 to 5% Solid state ca ±3.8% RH fm ±4.8% RH fm ±5.8% RH fm Included in a ±1% @ 20°C 0 to 100% R ±0.1% RH/°C ensor	Ventilation Recommendation Greatly increased Significantly increased Slightly increased Average Target value apacitive, replaceable om 10 to 60% RH @ 25°C om 60 to 80% RH @ 25°C om 80 to 100% RH @ 25°C	(ppb) >610 200 to 610 100 to 200 50 to 100 0 to 50 (77 °F) (77 °F) C (77 °F)	
RH Sensor HS sensor Accuracy (includes hysteresis)** Linearity Stability Output range Temperature coefficient Temperature Se	Level >61% 20 to 61% 10 to 20% 5 to 10% 0 to 5% Solid state ca ±3.8% RH fm ±4.8% RH fm ±5.8% RH fm Included in a ±1% @ 20°C 0 to 100% R ±0.1% RH/°C ensor	Ventilation Recommendation Greatly increased Significantly increased Slightly increased Average Target value apacitive, replaceable om 10 to 60% RH @ 25°C om 60 to 80% RH @ 25°C om 80 to 100% RH @	(ppb) >610 200 to 610 100 to 200 50 to 100 0 to 50 (77 °F) (77 °F) C (77 °F)	
RH Sensor HS sensor Accuracy (includes hysteresis)** Linearity Stability Output range Temperature coefficient Temperature Sensor type	Level >61% 20 to 61% 10 to 20% 5 to 10% 0 to 5% Solid state control of the state of the st	Ventilation Recommendation Greatly increased Significantly increased Slightly increased Average Target value apacitive, replaceable om 10 to 60% RH @ 25°C om 60 to 80% RH @ 25°C om 80 to 100% RH @	(ppb) >610 200 to 610 100 to 200 50 to 100 0 to 50 (77 °F) (77 °F) C (77 °F)	

Display Models						
Touchscreen	61 mm (2.4 in), color, backlit, capacitive, 240x300px Setpoint: Temperature, humidity or fan speed selectable Timeout override: Display timeout Lockout override: Touchscreen/button lockout					
LCD	52mm (2.05 in), segmented with 3 buttons Setpoint: Temperature, humidity or fan speed selectable Timeout override: Display timeout Lockout override: Touchscreen/button lockout					
Setpoints***						
Temperature setpoint	Scale: 0 to 50 °C (32 to 122 °F) max., adjustable span					
Humidity setpoint	Scale: 0 to 100% RH					
Fan speed setpoint	Off, Low, Medium, High, Auto					
Override						
Override button	Display models feature momentary override button					
Wiring Termina	ls					
Terminal blocks	Screw terminals, 18-24 AWG					
Screw terminal torque	0.2 N-m (2.0 in-lbF) max.					
Regulatory Info	Regulatory Information					
Agency approvals	UL 916, European conformance CE: EN61000-6-2 EN61000-6-3 EN61000 Series - industrial immunity EN 61326-1 FCC Part 15 Class B, REACH, RoHS, Green Premium, RCM (Australia), ICES-003 (Canada), EAC (Russia), UKCA (UK)					

*Air Quality Index for VOC aligns with TVOC levels for IAQ as specified by the

WHO (World Health Organization).

**Humidity sensor overall accuracy should include: accuracy, temperature coefficient and stability. Humidity accuracy is shown as an absolute value, so if testing accuracy with a hand-held device, you must check for deviation in its readings instead of calculating the percentual deviation. Additionally, you must consider the overall accuracy of the hand-held device in the comparison.

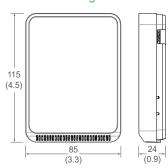
***On display models only.



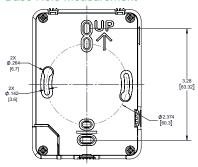
Dimensions mm (in.) **Optimum Housing**

(4.5)

Medium Housing



Base Hole Measurement



Safety Information **Important Information**

Read these instructions carefully and look at the equipment to become familiar with the device before trying to install, operate, service or maintain it. The following special message may appear throughout this bulletin or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.

NOTICE

NOTICE is used to address practices not related to physical injury.

AWARNING

WARNING indicates a hazardous situation which, if not avoided could result in death or serious injury.

Please Note

Electrical equipment should be installed, operated, serviced and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

A qualified person is one who has the skills and knowledge related to the construction, installation and operation of electrical equipment and has received safety training to recognize and avoid the hazards involved.

Safety Precautions

A WARNING

HAZARD OF ELECTRIC SHOCK, EXPLOSION OR **ARC FLASH**

- Apply appropriate personal protective equipment (PPE) and follow safe electrical work practices. See NFPA 70E or CSA Z462.
- This equipment must only be installed and serviced by qualified electrical personnel.
- · Turn off all power supplying this equipment before working on or inside equipment.
- Always use a properly rated voltage sensing device to confirm power is off.
- · Replace all devices, doors and covers before turning on power to this equipment.

Failure to follow these instructions can result in death, serious injury or equipment damage.

This product is intended for use in HVAC and building environmental control

It is not intended for direct medical monitoring of patients.

Read and understand these instructions before installing this product.

The installer is responsible for all applicable codes.

If this product is used in a manner not specified by the manufacturer, the protection provided by the product may be impaired. No responsibility is assumed by the manufacturer for any consequences arising out of the use of this material.

NOTICE

PRODUCT DAMAGE AND INACCURATE READINGS

- Mount product vertically at a height that is between 3 to 5 feet (0.9 to 1.5 meters) above the floor [or 4 feet (1.2 meters) where the Americans with Disabilities Act needs to be followed]
- · Mount product on a wall that is NOT exposed to the outside
- Install product far from windows, heat sources, door frames and at a minimum distance of 6 inches (15 centimeters) from any corner
- · Drafts through conduits or other holes in the wall should be eliminated by plugging appropriate material into the cavity.
- Keep product wall mounted and the base cleared of any wire or other external material:





Failure to follow instructions can result in reduced accuracy, equipment damage or sensor fault.



Installation

 Remove the cover from the base at the bottom of the device.



Position the sensor base vertically on the wall 1.35 m (4.5 ft.) above the floor with the "UP" arrow facing upward. Locate away from windows, vents and other sources of draft. If possible, do not mount on an external wall, as this may cause inaccurate temperature readings.

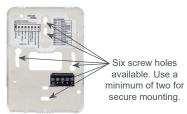




3. Pull 18 or 22 AWG cable(s) through the hole in the backplate.

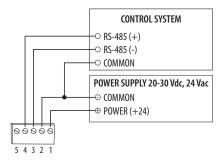


 Mount the backplate onto the wall using the screws provided.



Connect the wires to the screw terminals. Do not over-tighten the screws.



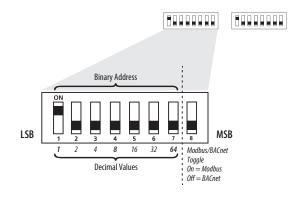


6. Configure the device.

Address Configuration:

Each device on a single network must have a unique address. Set the DIP switch labeled "ADDRESS" to assign a unique address before the device is connected to the network. If an address is selected that conflicts with another device, neither device will be able to communicate.

Address the device as any whole number between and including 1 to 127. Note that zero is not a valid address for Modbus; zero is a valid address for BACnet. Positions 1 through 7 of the "ADDRESS" DIP switch designate the address. Position 8 toggles between the Modbus and BACnet communication protocols, as shown in the diagram below. This is the left bank of DIP switches on the sensor.

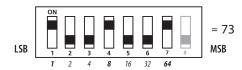


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To set an address using the DIP switch, simply add the values of any switches that are in the ON position.

For example, an address of 73 is set as shown in the diagram below.

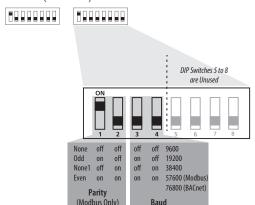


Position number 1 has an ON value of 1, position number 4 has an ON value of 8 and position number 7 has an ON value of 64 (1 + 8 + 64 = 73).

Communications Configuration:

Locate the DIP switch labeled "CONFIG". The following parameters are configurable:

- Parity (Modbus only): None, Odd, None1 (one stop bit), Even
- Baud rate: 9600, 19200, 38400, 57600 (Modbus), 76800 (BACnet)



Example: No Parity, 19200 Baud

1	2	3	4	5	6	7	8
off	off	on	off	off	off	off	off
No	ne	19200	Baud		Unu	sed	

Modbus Point Map Function Codes:

Function Code	Function
03	Read holding (RW) registers
04	Read input (RO) registers
06	Write single register*
16	Write multiple registers
01	Read coils
05	Write single coil
15	Write multiple coils
	-

^{*} Not supported.

All of these values correspond to BACnet objects with the same name. See the BACnet Conformance Statement for their definitions.

Note that an attempt to write to "read only" holding registers will give an error and the entire write command will not be executed even if writing to read/write locations were also requested. Exception code 2 is given in this case. "Preserved" means the values is maintained through power outages.

32-Bit Input Registers (Read Only):

16-Bit Register Location	Description	Format	
1	T	00 1:4 ft4:	
2	- Temp reading	32-bit floating point	
3	Humidity		
4	reading	32-bit floating point	
5	CO mandina	20 hit flooting point	
6	− CO₂ reading	32-bit floating point	
7	\/OC === dis==	32-bit floating point	
8	 VOC reading 		
9		4x16-bit ASCII characters as a single query	
10	- Model number		
11	- Model number		
12	_		
13~41	Unused	NA	
42			
43	─ ─ Serial number	4x16-bit ASCII characters	
44		as a single query	
45	_		

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32-Bit Holding Registers (Read/Write):

	,	,	
16-Bit Register Location	Description	Format	
1	Tamp actualist	32-bit floating point	
2	 Temp setpoint 		
3	Humidity	22 hit floating point	
4	setpoint	32-bit floating point	
5	Screen color set	32-bit	
6	- Screen color set		
7~39	Device name	4x16-bit ASCII characters as a single query	
40	- Fan anood	32-bit	
41	– Fan speed	ว2-มเเ	

Note: All holding registers are preserved during power outages.

Coils (Read/Write):

Register	Description
2*	CO ₂ stoplight
3*	Touch button disable
4*	Invoke CO ₂ calibration
5*	Temperature (°C)
6	Occupancy override
7*	Touch timeout
8*	Display shows humidity
9*	Display shows CO ₂ level
10*	Display shows VOC level
11	Set 400 ppm as CO ₂ baseline
12*	Display shows temperature setpoint on main screen

^{*} Preserved during power outages.

BACnet Descriptions

Note: In the tables below, all properties are read-only unless otherwise noted. "Preserved" means the value is maintained through power outages.

Present_Value Range Restrictions:

- 1000110_101010110101010101				
Object Name	Minimum Value	Maximum Value		
DEV - Object_ Name	1 Character	65 Characters		
Temperature Setpoint Min_Pres_Value Max_Pres_Value	Min_Pres_Value 0 Min_Pres_Value +1	Max_Pres_Value Max_Pres_Value -1 50		
Humidity Setpoint Min_Pres_Value Max_Pres_Value	Min_Pres_Value 0 Min_Pres_Value +1	Max_Pres_Value Max_Pres_Value -1 100		
Screen Color	1	4		
CO2 Yellow Limits	400	10,000		

CO2 Red Limits	400	10,000
Fan Speed	1	5
Device_Instance	0	4,194,302

Standard Object Types Supported:

Object Type	Supported Optional Properties	Writable Properties
Analog Input - Al	Reliability	None
Analog Value - AV	Min_Pres_Value Max_Pres_Value	Min_Pres_Value Max_Pres_Value Present_Value
Binary Value - BV	None	Present Value
Multistate Value - MSV	None	Present Value
Device - DEV	Max Info Frames Max_Master	APDU_Timeout Max_Master Object_Name

Objects Table:

Object Name	Object Identifier	Object Property	
Room Temperature	Al 1	Temperature in room	
Room Humidity	Al 2	Humidity in room	
CO2 Sensor	Al 3	CO ₂ concentration	
VOC Sensor	Al 4	VOC level	
Temperature Setpoint*	AV 1	Setpoint value for temperature	
Humidity Setpoint*	AV2	Setpoint value for humdidity	
CO2 Yellow Limits*	AV3	CO ₂ threshold to which the screen color changes from green to yellow	
CO2 Red Limits*	AV4	CO ₂ threshold to which the screen color changes from yellow to red	
CO2 Stoplight*	BV 1	ACTIVE enables CO ₂ Stoplight INACTIVE disables CO ₂ Stoplight	
Touch Disable*	BV2	ACTIVE disables Touch Response INACTIVE enables Touch Response	
CO2 ABC Cal*	BV3	ACTIVE enables ABC calibration INACTIVE disables ABC calibration	
Temperature Units*	BV4	ACTIVE displays temperature in Fahrenhiet INACTIVE displays temperature in Celsius	



Objects Table (cont.)

Object Name	Object Identifier	Object Property		
Occupancy Override	BV5	ACTIVE means room is not occupied INACTIVE means room is occupied		
Screen Timeout*	BV 6	ACTIVE enables Screen Timeout INACTIVE disables Screen Timeout		
Display Humidity*	BV7	ACTIVE displays humidity on screen INACTIVE removes humdity from Screen		
Display CO2*	BV8	ACTIVE displays CO ₂ level on screen INACTIVE removes CO ₂ level from screen		
Display VOC*	BV9	ACTIVE displays VOC level on screen INACTIVE removes VOC level from screen		
CO2 FRC 400	BV10	ACTIVE sets 400 ppm as CO ₂ baseline after Present_Value is read INACTIVE leaves CO2 baseline in last state (no action)		
Select Tempera- ture Display*	BV11	ACTIVE displays temperature setpoint on main screen INACTIVE displays temperature setpoint in upper left corner and current temperature on main screen		
Screen Color Set*	MSV 1	Selection for screen color theme		
Fan Speed*	MSV 2	Fan speed selection		
Fan Speed*	MSV 2	Fan speed selection		

^{*} Preserved during power outages.

Device Objects Table:

Object Name	Object Identifier	Object Property	Descrip.
Living Space Room Unit XXXXXXX	Vendor_ID + nnn	Object _Identifer (R/W)	Unique value where nnn initially is the MS/TP address

BACnet Protocol Implementation Conformance Statement

Vendor Name: Schneider Electric

Product Name: Living Space Room Unit

Product Model: SLPXXXX
BACnet Protocol Version: 1
BACnet Protocol Revision: 16

Product Description: Environmental Sensor

BACnet Standardized Device Profile (AnnexL):

BACnet Application Specific Controller (B-ASC)

List All BACnet Interoperability Building Blocks Supported(Annex K):

DS-RP-B, DS-RPM-B, DS-WP-B, DM-DDB-B, DM-DOB-B, DM-DCC-B, DM-RD-B

Data Link Layer Options: MS/TP (Clause 9), baud rates, 9600, 19200, 38400, 76800

Device Address Binding: Static Device binding is not supported.

Networking Options: None

Character Sets supported: ISO 10646 (UTF-8)

 With sensor base fully installed, align top of cover to mounting tabs on top of sensor base. Swing cover downward until it latches at the bottom.



8. Install locking screw to secure cover in closed position.

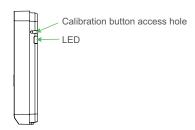


CO₂ Sensor Calibration

There are two methods for CO_2 calibration available: 400 ppm baseline calibration and automatic baseline calibration (ABC).

400 ppm Baseline Calibration

400 ppm baseline calibration allows the sensor to be set at 400 ppm. Push and hold the calibration button for 3 to 5 seconds. The LED will flash green. Once the button is released, calibration is complete and the LED switches off.





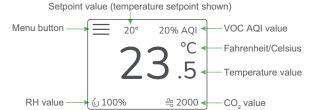
Automatic Baseline Calibration (ABC)

The ABC mode addresses the 400 ppm calibration. It allows turning on or off a background correction/recovery mode that will minimize any calibration error that has been caused by shock during handling and transportation or is caused by a long term shift in measurement. The ABC algorithm constantly keeps track of the sensor's lowest reading over a preconfigured time interval and slowly corrects for any long-term drift detected as compared to the expected fresh air value of 400 ppm. After initial startup, it is expected that the sensor reaches specified accuracy after 7 to 21 days.

Touchscreen Operation

Main Screen

The touchscreen user interface displays applicable sensor output values (temperature, RH, CO₂ and VOC), setpoint value, menu button and CO₂ stoplight status (if enabled).



Room Temperature Display Option



Temperature Setpoint Display Option

Menu Screen

The menu screen opens when pressing the Menu button on the main screen. Integrator's submenu, occupancy/override, Fahrenheit/Celsius, settings, setpoint submenu (temp, RH and fan) and CO_2 stoplight buttons are displayed on the menu screen.



Note: RH setpoint will not appear on non-RH models.

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Menu Button Functions



Integrator's Submenu Press this icon to access the Integrator's menu.



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Occupied Override Button Press this icon to provide momentary signal output to the controller

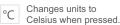
Fahrenheit/Celsius Switch Press this icon to display either







Single Press Only Changes units to Fahrenheit when pressed.



Settings

°C or °F.

This icon provides the ability to change the color scheme of the display.





















Temp Setpoint Adjustment Click this icon to access the setpoint

change menu.



Humidity Setpoint Adjustment

Click this icon to access the setpoint change menu.





Fan Speed

Click this icon to access the fan speed menu.

Submenu Only





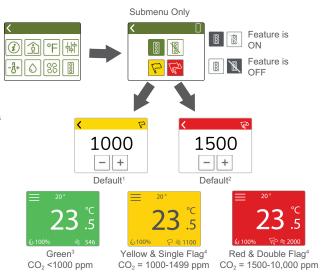
Menu Button Functions (cont.)



CO₂ Stoplight Menu

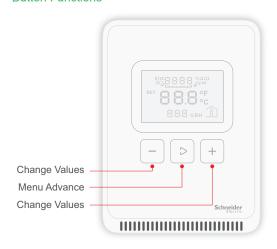
Click this icon to toggle the CO₂ Stoplight feature on and off. With CO, Stoplight turned on, the background color of the main screen changes with CO level. This provides a visual indicator of CO2 levels to the room occupants.

Using the +/- buttons, the thresholds at which the colors change on the main screen are user configurable, as described in the diagram.



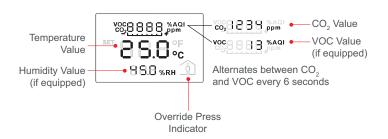
- 1. Values <400 ppm will be rounded up to the minimum limit of 400 ppm.
- 2. Values >10,000 ppm will be rounded down to the maximum limit of 10,000 ppm.
- 3. Possible to adjust CO2 thresholds by changing the yellow and red limits.
- 4. User configurable in increments of 10 ppm using the +/- buttons. With a long press of these buttons, the number will change more quickly.

LCD Display Operation **Button Functions**



Display Icons

The main screen displays sensor values for CO2, VOC (if equipped), RH (if equipped), temperature or temperature setpoint and Celsius/Fahrenheit.





Setpoint Function

The Menu Advance button cycles between Temperature, RH (if equipped), Fan Speed setpoints and Celsius/Fahrenheit adjustment screens in order.

Temperature Setpoint Adjustment



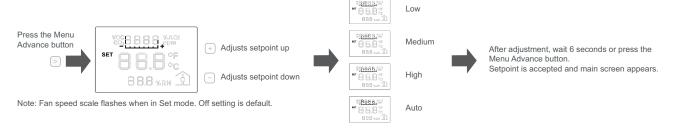
Note: Numeric information will flash while in Set mode.

RH Setpoint Adjustment



Note: Numeric information will flash while in Set mode.

Fan Speed Setpoint Adjustment



Changing Celsius and Fahrenheit Scales

The Menu Advance button cycles between Temperature, RH (if equipped), Fan Speed setpoints and Celsius/Fahrenheit adjustment screens in order.



Note: °F or °C text will flash while in Set mode

Occupied/Override Button



Override Press Indicator illuminates for 6 seconds.



China RoHS Compliance Information

Environment-Friendly Use Period (EFUP) Table

部件名称	有害物质 - Hazardous Substances					
Part Name	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr (VI))	多溴 联苯 (PBB)	多溴二苯醚 (PBDE)
电子件 Electronic	Х	0	0	0	0	0

本表格依据SJ/T11364的规定编制。

- O:表示该有害物质在该部件所有均质材料中的含量均在GB/T 26572规定的限量要求以下。
- X: 表示该有害物质至少在该部件的某一均质材料中的含量超出 GB/T 26572 规定的限量要求。

(企业可在此处,根据实际情况对上表中打 *:的技术原因进行进一步说明。)

This table is made according to SJ/T 11364.

O: indicates that the concentration of hazardous substance in all of the homogeneous materials for this part is below the limit as stipulated in GB/T 26572.

X: indicates that concentration of hazardous substance in at least one of the homogeneous materials used for this part is above the limit as stipulated in GB/T 26572

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