

Life Is On



SpaceLogic™ Living Space Sensor Selection Guide

NAM

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www.schneider-electric.com

Overview

Schneider Electric offers a comprehensive SpaceLogic Sensors platform for use with current and legacy Schneider Electric controllers as well as third-party controllers. This flexible approach allows the modern aesthetic and feature set of the SpaceLogic Sensors platform to be used in new construction, expansions and retrofit applications. With the complexity of modern control systems, there are many different ways to configure sensors hardware in a system. This guide is intended to provide general guidance to create cost-effective configurations for commonly used Schneider Electric and third-party controller applications.

The latest Schneider Electric SpaceLogic Sensors are a multi-sensor platform supporting CO₂, RH and Temperature with Touchscreen, LCD, 3-Button and Blank user interfaces. PIR Occupancy and VOC sensors and Light and Blind control are available on specific models. Communicating, Analog and BACnet/Modbus outputs are available to maximize applications. All SXWS, SLA and SLP Series sensors are available in “Medium” matte white, “Optimum” white glass panel and “Optimum” black glass panel finishes.

SXWS Series Sensors

SXWS Series sensors communicate with MP and RP Series controllers via RJ-45 connectors. They are modular and are ordered in two parts: the sensor base and the cover. Four SXWS Series communicating sensor base models are available that can be paired with any SXWS cover model. CO₂, Relative Humidity, and Temperature sensor bases are available. Covers are available with PIR Occupancy sensors.

SLA Series Sensors

SLA Series sensors have selectable 4-20mA, 0-5V or 0-10V analog outputs with screw terminals. All SLA Series include the cover and base and are available with CO₂/VOC, CO₂, Relative Humidity, and Temperature sensors.

SLP Series Sensors

SLP Series sensors have selectable BACnet MSTP/Modbus RTU RS-485 outputs with screw terminals. All SLP Series include the cover and base and are available with CO₂/VOC, CO₂, Relative Humidity, and Temperature sensors.

CW2, HW2 and TW2 Series Sensors

CW2, HW2 and TW2 Series sensors are created with third-party controllers and legacy applications in mind. Sensors from Veris are very similar to the SLA/SLP Series and use screw terminals for wiring. Analog versions have 4-20mA, 0-5V or 0-10V analog outputs and several popular thermistor/RTD options to provide resistive temperature outputs. Protocol models have selectable BACnet MSTP/Modbus RTU RS-485 outputs. Veris sensors are available only in “Medium” matte white and have no branding on the sensor and may be used in place of SLA/SLP Sensors when no branding is a requirement.

Three legacy sensor offers within the Schneider Electric Living Space Sensor Offer are also supported.

MN-S Series Sensors

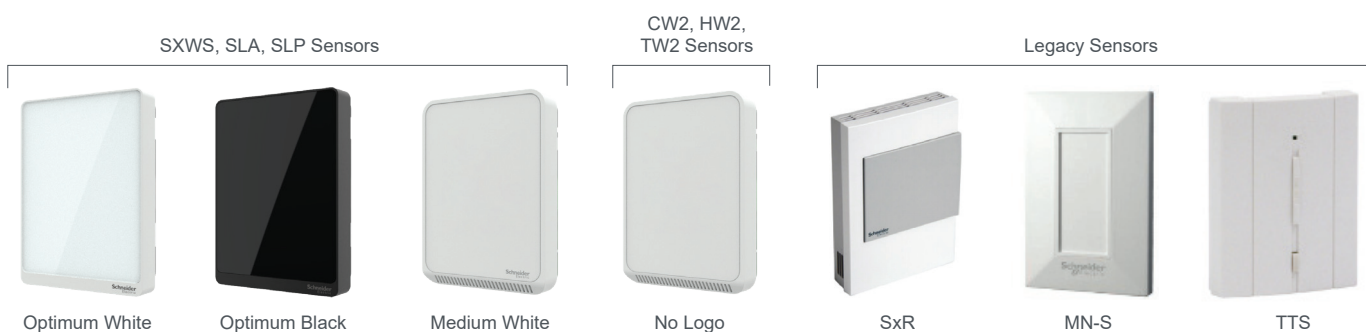
MN-S Series Sensors are available with RH and temperature sensors and communicate to TAC I/A controllers via S-Link communication. Sensors are available in six- and four-button LCD display models and one-button with setpoint and status LED models.

TTS Series Sensors

TTS Series Temperature Sensors communicate to Continuum controllers via Infinet communication. Sensors are available in seven-, six- and three-button LCD, one-button status LED and blank cover variants.

SCR, SHR and STR (SxR) Series Sensors

SCR, SHR and STR Sensors have selectable 4-20mA, 0-5V or 0-10V analog outputs for CO₂ and RH with and thermistors to provide resistive temperature outputs. These sensors have a two tone white and gray cover with a Schneider Electric logo on the faceplate. They are designed to work with TAC I/A, Continuum and TAC Vista controllers using I/O positions.



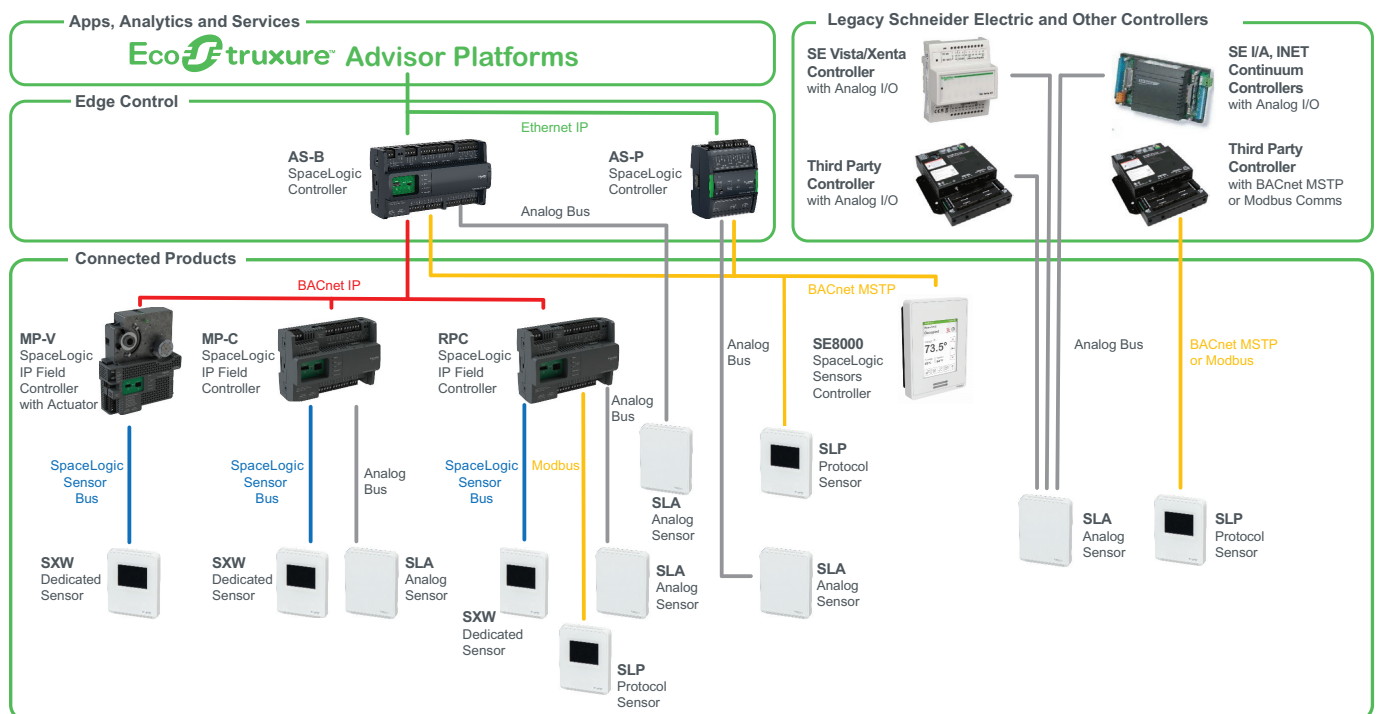
Overview, cont.

SpaceLogic Sensors and Controller Compatibility Matrix

	MP-x	RP-x	AS-B	AS-P	Continuum	TAC I/A	TAC Vista	Third Party
SXWS - CO ₂	X	X						
SXWS - Humidity	X	X						
SXWS - Temp	X	X						
SLA - CO ₂ /VOC	X	X	X	X	X	X	X	X
SLA - CO ₂	1	1	X	X	X	X	X	X
SLA - Humidity	1	1	X	X	X	X	X	X
SLA - Temp	X	X	X	X	2	2	2	X
SLP - CO ₂ /VOC		X	3	X				X
SLP - CO ₂		X	3	X				X
SLP - Humidity		X	3	X				X
SLP - Temp		X	3	X				X
CW2 - CO ₂	1	1	X	X	X	X	X	X
HW2 - Humidity	1	1	X	X	X	X	X	X
TW2 - Temp	X	X	X	X	X	X	X	X
STR, SHR, SCR					X	X	X	
TTS					X			
MN-S						X		

1. While this will work with the I/O on MP controllers, SXWS CO₂ and RH models using the Sensor Bus are generally a better choice as they do not use multiple points of I/O.
2. SLA sensors have selectable 0-5V, 0-10V and 4-20mA temperature outputs. This may require reconfiguration of the controller temperature input.
3. AS-B controllers with 'L' in the product name do not support Modbus or BACnet MS/TP and the RS-485 port is not used. SLA models should be used on AS-B controllers with 'L'.

Architecture Diagram



Note: SXWS, SLA and SLP sensors used for reference.

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Sensors for MP Series SpaceLogic IP Controllers

MP Series Overview

MP Series controllers connect to SpaceLogic Sensors using the SpaceLogic Sensor Bus and through I/O points. The SpaceLogic Sensor Bus provides power and two-way communication to the SXWS Series Communicating Room Sensors via an RJ-45 connection. It supports up to four SXWS Series sensors per MP Series Controller depending on the models selected. SXWS Series sensors are available with CO₂, RH, temperature and occupancy sensors with touchscreen, temperature-only LCD, 3 button and blank covers. All SXWS Series sensors are available in “Medium” matte white, “Optimum” white glass panel and “Optimum” black glass panel finishes. For applications requiring VOC measurement or ultra-low-cost blank cover temperature sensors, SLA Series analog I/O sensors must be used. These are covered on the next page. For applications where no-logo covers are required, CW2, HW2 and TW2 Series sensors shown in the Third Party Controller section may be used in place of the SLA Series.

RJ-45 Sensor Bus Models (sensor bases and covers ordered separately)

Sensor Bases

CO₂
Humidity
Temperature



Model	Temp.	RH	CO ₂	Cover	SpaceLogic Sensor Bus	Base Color
SXWSBTXXSXX	X			Not Included	X	Clear/Transparent
SXWSBTHXSXX	X	X		Not Included	X	Clear/Transparent
SXWSBTXCXSXX	X		X	Not Included	X	Clear/Transparent
SXWSBTHCXSXX	X	X	X	Not Included	X	Clear/Transparent

Covers

Touchscreen



Model	61mm (2.4") Color Touchscreen	Override	Setpoint	Occupancy Sensor (PIR)	Housing Finish
SXWSCDXSELXX	X	X	X		Medium, White
SXWSCDPSELXX	X	X	X	X	Medium, White
SXWSCDXSELXW	X	X	X		Optimum, White
SXWSCDPSELXW	X	X	X	X	Optimum, White
SXWSCDXSELXB	X	X	X		Optimum, Black
SXWSCDPSELXB	X	X	X	X	Optimum, Black

3-Button



SXWSC3XSELXX		X	X		Medium, White
SXWSC3PSELXX		X	X	X	Medium, White
SXWSC3XSELXW		X	X		Optimum, White
SXWSC3PSELXW		X	X	X	Optimum, White
SXWSC3XSELXB		X	X		Optimum, Black
SXWSC3PSELXB		X	X	X	Optimum, Black

Blank



SXWSCBSELXX					Medium, White
SXWSCBPSELXX				X	Medium, White
SXWSCBSELXW					Optimum, White
SXWSCBPSELXW				X	Optimum, White
SXWSCBSELXB					Optimum, Black
SXWSCBPSELXB				X	Optimum, Black

Sensor/Base Combination

Temperature



Model	LCD	Temp.	Override	Setpoint	SpaceLogic System Bus	Housing Finish
SXWSATXXXSLX	X	X	X	X	X	Medium, White
SXWSATXXXSLW	X	X	X	X	X	Optimum, White
SXWSATXXXSLB	X	X	X	X	X	Optimum, Black

Sensors for MP Series SpaceLogic IP Controllers (cont.)

MP Series VOC Overview

For applications requiring VOC sensing, SLA Series Analog Room Sensors must be used. These sensors use points of I/O on the MP Series controllers. SLA Series sensors are available with VOC/CO₂, RH and temperature sensors with touchscreen, LCD and blank covers. All SXWS Series sensors are available in "Medium" matte white, "Optimum" white glass panel and "Optimum" black glass panel finishes. The blank cover, resistive output temperature sensors offer an ultra-low-cost solution with the same look and feel as SXWS Series sensors. For applications where no-logo covers are required, CW2, HW2 and TW2 Series sensors shown in the Third Party Controller section may be used in place of the SLA Series.

Analog Output Models For Use With I/O

- VOC/CO₂
- Humidity
- Temperature



Model	Display	Override	Setpoint	VOC/CO ₂	RH	Temp.	Housing Finish
SLASTCV2	Touchscreen	X	X	X	X	X	Medium, White
SLASTCVX	Touchscreen	X	X	X		X	Medium, White
SLAWTCV2	Touchscreen	X	X	X	X	X	Optimum, White
SLAWTCVX	Touchscreen	X	X	X		X	Optimum, White
SLABTCV2	Touchscreen	X	X	X	X	X	Optimum, Black
SLABTCVX	Touchscreen	X	X	X		X	Optimum, Black
SLASLCV2	LCD	X	X	X	X	X	Medium, White
SLASLCVX	LCD	X	X	X		X	Medium, White
SLAWLCV2	LCD	X	X	X	X	X	Optimum, White
SLAWLCVX	LCD	X	X	X		X	Optimum, White
SLABLCV2	LCD	X	X	X	X	X	Optimum, Black
SLABLCVX	LCD	X	X	X		X	Optimum, Black
SLASXCV2				X	X	X	Medium, White
SLASXCVX				X		X	Medium, White
SLAWXCV2				X	X	X	Optimum, White
SLAWXCVX				X		X	Optimum, White
SLABXCV2				X	X	X	Optimum, Black
SLABXCVX				X		X	Optimum, Black

Resistive Output Models For Use With I/O

- Temperature



Model	Sensor	Thermistor Type	Housing Finish
SLASXXX	X	10K Ohm Type 3	Medium, White
SLAWXXX	X	10K Ohm Type 3	Optimum, White
SLABXXX	X	10K Ohm Type 3	Optimum, Black

The table below shows the number of I/O points required for each output type. Note: override and setpoint are included with all display models but are not required to be connected. Do not count toward I/O if you do not intend to use them.

	CO ₂	VOC	RH	Temp.	Setpoint	Override
I/O Required	1	1	1	1	1	1

Sensors for RP Series SpaceLogic IP Controllers

RP Series Overview

RP Series controllers connect to SpaceLogic Sensors using the SpaceLogic Sensor Bus, Modbus (RS-485) and through I/O points. The SpaceLogic Sensor Bus provides power and two-way communications to the SXWS Series Communicating Room Sensors via an RJ-45 connection. This RJ-45 connection can be toggled at the controller level between SpaceLogic Sensor Bus and Modbus (RS-485) functionality. The Sensor Bus supports up to four SXWS Series sensors per RP Series Controller depending on the models selected. SXWS Series sensors are available with CO₂, RH, Temperature and Occupancy sensors with Touchscreen, Temperature-only LCD, 3-Button and Blank covers. All SXWS touchscreen models support light and blind control functionality with additional touchscreen models with 2 and 4 capacitive light and blind controls on the glass below the screen. All SXWS Series sensors are available in "Medium" matte white, "Optimum" white glass panel and "Optimum" black glass panel finishes. For applications requiring VOC measurement or ultra-low-cost blank cover temperature sensors, SLP or SLA Series sensors must be used depending on the application. These are covered on the next page. For applications where no-logo covers are required, CW2, HW2 and TW2 Series sensors shown in the Third Party Controller section may be used in place of the SLA Series.

RJ-45 Sensor Bus Models (bases and covers ordered separately)

Sensor Bases

CO₂
Humidity
Temperature



Model	Temp.	RH	CO ₂	Cover	SpaceLogic Sensor Bus	Base Color
SXWSBTXXSXX	X			Not Included	X	Clear/Transparent
SXWSBTHXSXX	X	X		Not Included	X	Clear/Transparent
SXWSBTXCXSXX	X		X	Not Included	X	Clear/Transparent
SXWSBTHCXSXX	X	X	X	Not Included	X	Clear/Transparent

Covers

	Model	61mm (2.4")			Override	Setpoint	Occ. Sensor (PIR)	Housing Finish
		Color Touchscreen with Light/Blind Control	Off Screen Lighting Buttons	Off Screen Blind Buttons				
Touchscreen with Off-Screen Light/Blind Buttons	SXWSC4XSELXW	X	X	X	X	X	Optimum, White	
	SXWSC4PSELXW	X	X	X	X	X	Optimum, White	
	SXWSC2XSELXW	X	X		X	X	Optimum, White	
	SXWSC2PSELXW	X	X		X	X	Optimum, White	
	SXWSC4XSELXB	X	X	X	X	X	Optimum, Black	
	SXWSC4PSELXB	X	X	X	X	X	Optimum, Black	
	SXWSC2XSELXB	X	X		X	X	Optimum, Black	
	SXWSC2PSELXB	X	X		X	X	Optimum, Black	
Touchscreen	SXWSCDXSELXX	X			X	X	Medium, White	
	SXWSCDPSELXX	X			X	X	Medium, White	
	SXWSCDXSELXW	X			X	X	Optimum, White	
	SXWSCDPSELXW	X			X	X	Optimum, White	
	SXWSCDXSELXB	X			X	X	Optimum, Black	
	SXWSCDPSELXB	X			X	X	Optimum, Black	
3-Button	SXWSC3XSELXX				X	X	Medium, White	
	SXWSC3PSELXX				X	X	Medium, White	
	SXWSC3XSELXW				X	X	Optimum, White	
	SXWSC3PSELXW				X	X	Optimum, White	
	SXWSC3XSELXB				X	X	Optimum, Black	
	SXWSC3PSELXB				X	X	Optimum, Black	
Blank	SXWSCBSELXX						Medium, White	
	SXWSCBPSELXX					X	Medium, White	
	SXWSCBSELXW						Optimum, White	
	SXWSCBPSELXW					X	Optimum, White	
	SXWSCBSELXB						Optimum, Black	
	SXWSCBPSELXB					X	Optimum, Black	

Sensors for RP Series SpaceLogic IP Controllers (cont.)

RJ-45 Sensor/Base Combination

Temperature



Model	LCD	Temp.	Override	Setpoint	SpaceLogic System Bus	Housing Finish
SXWSATXXXSLX	X	X	X	X	X	Medium, White
SXWSATXXXSLW	X	X	X	X	X	Optimum, White
SXWSATXXXSLB	X	X	X	X	X	Optimum, Black

For applications requiring VOC sensing, SLP Series BACnet/Modbus Room Sensors are the best choice (SLA Series Analog Room Sensors may be used but they consume points of I/O on the controller) when used with the selectable Modbus (RS-485) input on the RP controller. SLP Series sensors are available with VOC/CO₂, RH and Temperature sensors with Touchscreen, LCD and Blank covers. All SLP Series sensors are available in “Medium” matte white, “Optimum” white glass panel and “Optimum” black glass panel finishes. The blank cover, resistive output temperature sensors offer an ultra-low-cost solution with the same look and feel as SXWS and SLP Series Sensors. For applications where no-logo covers are required, CW2, HW2 and TW2 Series sensors shown in the Third Party Controller section may be used in place of the SLA Series.

BACnet/Modbus Protocol Output Models

- VOC/CO₂
- Humidity
- Temperature



Model	Display	Override	Setpoint	VOC/CO ₂	RH	Temp.	Housing Finish
SLPSTCV2	Touchscreen	X	X	X	X	X	Medium, White
SLPSTCVX	Touchscreen	X	X	X		X	Medium, White
SLPWTCV2	Touchscreen	X	X	X	X		Optimum, White
SLPWTCVX	Touchscreen	X	X	X		X	Optimum, White
SLPBTCV2	Touchscreen	X	X	X	X	X	Optimum, Black
SLPBTCVX	Touchscreen	X	X	X		X	Optimum, Black
SLPSLCV2	LCD	X	X	X	X	X	Medium, White
SLPSLCVX	LCD	X	X	X		X	Medium, White
SLPWLCV2	LCD	X	X	X	X	X	Optimum, White
SLPWLCVX	LCD	X	X	X		X	Optimum, White
SLPBLCV2	LCD	X	X	X	X	X	Optimum, Black
SLPBLCVX	LCD	X	X	X		X	Optimum, Black
SLPSXCV2				X	X	X	Medium, White
SLPSXCVX				X		X	Medium, White
SLPWXCV2				X	X	X	Optimum, White
SLPWXCVX				X		X	Optimum, White
SLPBXCV2				X	X	X	Optimum, Black
SLPBXCVX				X		X	Optimum, Black

Resistive Output Models For Use With I/O

- Temperature



Model	Sensor	Thermistor Type	Housing Finish
SLASXXX	X	10K Ohm Type 3	Medium, White
SLAWXXX	X	10K Ohm Type 3	Optimum, White
SLABXXX	X	10K Ohm Type 3	Optimum, Black

Sensors for AS-B Series SpaceLogic IP Controllers

AS-B Series Overview

AS-B Series controllers connect to SpaceLogic Sensors through BACnet MSTP and I/O points (depending on AS-B modules selected). The AS-B has BACnet MSTP via RS-485 and highly configurable I/O which may be used with 4-20mA, Voltage and Resistive Temperature (thermistor/RTD) Inputs. SLP Series BACnet/Modbus Protocol Sensors and SLA Series Analog Room Sensors are both an excellent choice for connecting to the AS-B Series controller. SLP Series and SLA Series sensors are available with VOC/CO₂, CO₂, RH and Temperature sensors with Touchscreen, LCD and Blank covers. All SLA Series sensors are available in "Medium" matte white, "Optimum" white glass panel and "Optimum" black glass panel finishes. The blank cover, resistive output temperature sensors offer an ultra-low-cost solution with the same look and feel as SXWS Series Sensors. For applications where no-logo covers are required, CW2, HW2 and TW2 Series sensors shown in the Third Party Controller section may be used in place of the SLP Series and SLA Series.

Housing Finishes



User Interface Types



Multi-Sensor Models - Temperature included on all models

<p>SLA</p> <p>Housing</p> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto;"></div> <p>S = Medium white matte housing W = Optimum white housing B = Optimum black housing</p>	<p>User Interface</p> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto;"></div> <p>T = Color touchscreen L = 3-button LCD display X = None</p>	<p>CO₂ Sensor</p> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto;"></div> <p>C = NDIR CO₂ CV = NDIR CO₂ / VOC X = None</p>	<p>RH Sensor*</p> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto;"></div> <p>2 = 2% X = None</p>	<p>Example:</p> <div style="border: 1px solid black; padding: 5px; display: inline-block;"> SLA S T C 2 </div>
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* RH elements are replaceable.

Temperature-Only Models

Model	Display	Sensor Type	Housing Finish
SLAWTXX	Touchscreen	Temperature Transmitter	Optimum White
SLAWLXX	LCD / 3 Buttons	Temperature Transmitter	Optimum White
SLAWXXX	Blank	10K Type 3 Thermistor	Optimum White
SLABTXX	Touchscreen	Temperature Transmitter	Optimum Black
SLABLXX	LCD / 3 Buttons	Temperature Transmitter	Optimum Black
SLABXXX	Blank	10K Type 3 Thermistor	Optimum Black
SLASTXX	Touchscreen	Temperature Transmitter	Medium White
SLASLXX	LCD / 3 Buttons	Temperature Transmitter	Medium White
SLASXXX	Blank	10K Type 3 Thermistor	Medium White

The table below shows the number of I/O points required for each output type. Note: override and setpoint are included with all display models but are not required to be connected. Do not count toward I/O if you do not intend to use them.

	CO ₂	VOC	RH	Temp.	Setpoint	Override
I/O Required	1	1	1	1	1	1

Sensors for AS-B Series SpaceLogic IP Controllers (cont.)

Housing Finishes



Optimum White



Optimum Black



Medium White

User Interface Types



Touchscreen



LCD with Buttons



Blank

BACnet/Modbus Output Sensors for AS-B Series Multi-Sensor Models - Temperature included on all models

<p>SLP</p> <p>Housing</p> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto;"></div> <p>S = Medium white matte housing W = Optimum white housing B = Optimum black housing</p>	<p>User Interface</p> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto;"></div> <p>T = Color touchscreen L = 3-button LCD display X = None</p>	<p>CO₂ Sensor</p> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto;"></div> <p>C = NDIR CO₂ CV = NDIR CO₂ / VOC X = None</p>	<p>RH Sensor*</p> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto;"></div> <p>2 = 2% X = None</p>	<p>Example:</p> <div style="border: 1px solid black; padding: 5px; display: inline-block;"> SLP S T C 2 </div>
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* RH elements are replaceable.

Temperature-Only Models

Model	Display	Sensor Type	Housing Finish
SLPWTXX	Touchscreen	Temperature Transmitter	Optimum White
SLPWLXX	LCD / 3 Buttons	Temperature Transmitter	Optimum White
SLPWXXX	Blank	Temperature Transmitter	Optimum White
SLPBTXX	Touchscreen	Temperature Transmitter	Optimum Black
SLPBLXX	LCD / 3 Buttons	Temperature Transmitter	Optimum Black
SLPBXXX	Blank	Temperature Transmitter	Optimum Black
SLPSTXX	Touchscreen	Temperature Transmitter	Medium White
SLPSLXX	LCD / 3 Buttons	Temperature Transmitter	Medium White
SLPSXXX	Blank	Temperature Transmitter	Medium White

Sensors for AS-P Series SpaceLogic IP Controllers

AS-P Series Overview

AS-P Series controllers connect to SpaceLogic Sensors through BACnet MSTP and I/O points (depending on AS-P modules selected). The AS-P has BACnet MSTP via RS-485 and highly configurable I/O which may be used with 4-20mA, Voltage and Resistive Temperature (thermistor/RTD) Inputs. SLP Series BACnet/Modbus Protocol Sensors and SLA Series Analog Room Sensors are both an excellent choice for connecting to the AS-P Series controller. SLP Series and SLA Series sensors are available with VOC/CO₂, CO₂, RH and Temperature sensors with Touchscreen, LCD and Blank covers. All SLA Series sensors are available in "Medium" matte white, "Optimum" white glass panel and "Optimum" black glass panel finishes. The blank cover, resistive output temperature sensors offer an ultra-low-cost solution with the same look and feel as SXWS Series Sensors. For applications where no-logo covers are required, CW2, HW2 and TW2 Series sensors shown in the Third Party Controller section may be used in place of the SLP Series and SLA Series.

Housing Finishes



User Interface Types



Analog Output Sensors for AS-P Series

Multi-Sensor Models - Temperature included on all models

SLA	Housing <input type="checkbox"/>	User Interface <input type="checkbox"/>	CO ₂ Sensor <input type="checkbox"/>	RH Sensor* <input type="checkbox"/>	Example: SLA <input type="checkbox"/> S <input type="checkbox"/> T <input type="checkbox"/> C <input type="checkbox"/> 2
	S = Medium white matte housing	T = Color touchscreen	C = NDIR CO ₂	2 = 2%	
	W = Optimum white housing	L = 3-button LCD display	CV = NDIR CO ₂ / VOC	X = None	
	B = Optimum black housing	X = None	X = None		

* RH elements are replaceable.

Temperature-Only Models

Model	Display	Sensor Type	Housing Finish
SLAWTXX	Touchscreen	Temperature Transmitter	Optimum White
SLAWLXX	LCD / 3 Buttons	Temperature Transmitter	Optimum White
SLAWXXX	Blank	10K Type 3 Thermistor	Optimum White
SLABTXX	Touchscreen	Temperature Transmitter	Optimum Black
SLABLXX	LCD / 3 Buttons	Temperature Transmitter	Optimum Black
SLABXXX	Blank	10K Type 3 Thermistor	Optimum Black
SLASTXX	Touchscreen	Temperature Transmitter	Medium White
SLASLXX	LCD / 3 Buttons	Temperature Transmitter	Medium White
SLASXXX	Blank	10K Type 3 Thermistor	Medium White

The table below shows the number of I/O points required for each output type. Note: override and setpoint are included with all display models but are not required to be connected. Do not count toward I/O if you do not intend to use them.

	CO ₂	VOC	RH	Temp.	Setpoint	Override
I/O Required	1	1	1	1	1	1

Sensors for AS-P Series SpaceLogic IP Controllers (cont.)

Housing Finishes



User Interface Types



BACnet/Modbus Output Sensors for AS-P Series Multi-Sensor Models - Temperature included on all models

<p>SLP</p> <p>Housing</p> <p><input type="checkbox"/></p> <p>S = Medium white matte housing W = Optimum white housing B = Optimum black housing</p>	<p>User Interface</p> <p><input type="checkbox"/></p> <p>T = Color touchscreen L = 3-button LCD display X = None</p>	<p>CO₂ Sensor</p> <p><input type="checkbox"/></p> <p>C = NDIR CO₂ CV = NDIR CO₂ / VOC X = None</p>	<p>RH Sensor*</p> <p><input type="checkbox"/></p> <p>2 = 2% X = None</p>	<p>Example:</p> <p>SLP <input type="checkbox"/> S <input type="checkbox"/> T <input type="checkbox"/> C <input type="checkbox"/> 2</p>
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* RH elements are replaceable.

Temperature-Only Models

Model	Display	Sensor Type	Housing Finish
SLPWTXX	Touchscreen	Temperature Transmitter	Optimum White
SLPWLXX	LCD / 3 Buttons	Temperature Transmitter	Optimum White
SLPWXXX	Blank	Temperature Transmitter	Optimum White
SLPBTXX	Touchscreen	Temperature Transmitter	Optimum Black
SLPBLXX	LCD / 3 Buttons	Temperature Transmitter	Optimum Black
SLPBXXX	Blank	Temperature Transmitter	Optimum Black
SLPSTXX	Touchscreen	Temperature Transmitter	Medium White
SLPSLXX	LCD / 3 Buttons	Temperature Transmitter	Medium White
SLPSXXX	Blank	Temperature Transmitter	Medium White

Sensors for Andover Continuum Controllers

Andover Continuum Series Overview

TTS Series Temperature Sensors communicate to Continuum controllers via Infinet communication. Sensors are available in seven-, six- and three-button LCD, one-button status LED and blank cover variants.




TTS Infinet Communicating Sensors



Model	Display	Override	Setpoint	Cover	Temp	Housing Finish	Faceplate Logo
TTS-SE-1	LED Indicator	*	*		10K T3	Matte White	Schneider Electric
TTS-SD-LCD-4-2	LCD		*	4 Button	10K T3	Matte White	Schneider Electric
TTS-SD-LCD-4-2-A	LCD		*	4 Button	10K T3	Matte White	Schneider Electric
TTS-SD-LCD-1	LCD	*	*	6 Button	10K T3	Matte White	Schneider Electric
TTS-SD-LCD-1-A	LCD	*	*	6 Button	10K T3	Matte White	Schneider Electric

Andover Continuum Series controllers connect to SpaceLogic Sensors through I/O points. Schneider Electric SLA Series SpaceLogic Sensors are available in “Medium” matte white, “Optimum” white glass panel and “Optimum” black glass panel finishes. SLA Series sensors are available with a temperature transmitter that the controller can be configured to accept. CW2, HW2 and TW2 sensors by Veris share the same platform as the SLA Series but are available with the specific thermistor type needed for Continuum Controllers and don't require reconfiguration of temperature settings making them a great choice for retrofit applications. Veris sensors are only available with “Medium” matte white finish with no logo on the cover. The SLA Series, CW2, HW2 and TW2 sensors are available with CO₂, RH and Temperature sensors with Touchscreen, LCD or Blank covers. The legacy STR, SHR and SCR Sensors are available for applications requiring the legacy SxR aesthetic.


Analog Output with Thermistor Sensors for Andover Continuum Series

Model	Display	Override	Setpoint	CO ₂	RH	Temp	Housing Finish	Faceplate Logo	
	SLAWTC2	Touchscreen	*	*	X	X	Xmtr	Optimum, White	Schneider Electric
	SLAWTX2	Touchscreen	*	*		X	Xmtr	Optimum, White	Schneider Electric
	SLAWTXX	Touchscreen	*	*			Xmtr	Optimum, White	Schneider Electric
	SLAWXC2	None			X	X	Xmtr	Optimum, White	Schneider Electric
	SLAWXX2	None				X	Xmtr	Optimum, White	Schneider Electric
	SLAWXXX	None					10K T3	Optimum, White	Schneider Electric
	SLABTC2	Touchscreen	*	*	X	X	Xmtr	Optimum, Black	Schneider Electric
	SLABTX2	Touchscreen	*	*		X	Xmtr	Optimum, Black	Schneider Electric
	SLABTXX	Touchscreen	*	*			Xmtr	Optimum, Black	Schneider Electric
	SLABXC2	None			X	X	Xmtr	Optimum, Black	Schneider Electric
	SLABXX2	None				X	Xmtr	Optimum, Black	Schneider Electric
	SLABXXX	None					10K T3	Optimum, Black	Schneider Electric
	SLASTC2	Touchscreen	*	*	X	X	Xmtr	Medium, White	Schneider Electric
	SLASTX2	Touchscreen	*	*		X	Xmtr	Medium, White	Schneider Electric
	SLASTXX	Touchscreen	*	*			Xmtr	Medium, White	Schneider Electric
	SLASXC2	None			X	X	Xmtr	Medium, White	Schneider Electric
	SLASXX2	None				X	Xmtr	Medium, White	Schneider Electric
	SLASXXX	None					10K T3	Medium, White	Schneider Electric
	CW2TA2H	Touchscreen	*	*	X	X	10K T3	Medium, White	None
	HW2TA2H	Touchscreen	*	*		X	10K T3	Medium, White	None
	TW2TAXH	Touchscreen	*	*			10K T3	Medium, White	None
	CW2XA2H	None			X	X	10K T3	Medium, White	None
	HW2XA2H	None				X	10K T3	Medium, White	None
	TW2XAXH	None					10K T3	Medium, White	None

*Configurable in controller.

Sensors for Andover Continuum Controllers (cont.)

Analog Output with Thermistor Sensors for Andover Continuum Series (cont.)



Model	Display	Override	Setpoint	CO ₂	RH	Temp	Housing Finish	Faceplate Logo
SCR510	Mode Indicator			X		10K T3	White and Gray	Schneider Electric
SCR510B	None			X		10K T3	White and Gray	Schneider Electric
SCR510-H	Mode Indicator			X	X	10K T3	White and Gray	Schneider Electric
SCR510B-H	None			X	X	10K T3	White and Gray	Schneider Electric
SHR510-T	Mode Indicator				X	10K T3	White and Gray	Schneider Electric
STR500	None					10K T3	White and Gray	Schneider Electric
STR502	Mode Indicator					10K T3	White and Gray	Schneider Electric
STR504	Mode Indicator	X				10K T3	White and Gray	Schneider Electric

The table below shows the number of I/O points required for each output type. Note: override and setpoint are included with all display models but are not required to be connected. Do not count toward I/O if you do not intend to use them.


	CO ₂	VOC	RH	Temp.	Setpoint	Override
I/O Required	1	1	1	1	1	1

Sensors for TAC I/A Controllers

MN-S Sensors Overview

TAC I/A Series controllers connect to MN-S sensors using S-Link communications. MN-S Series Sensors are available with RH and temperature sensors are available in six and four button LCD display models and one button with setpoint and status LED models. If additional IAQ sensing or a newer aesthetic is required, the SLA series may also be used via analog I/O points on the controller.

S-Link Communicating Sensors



Model	Display	Override	Setpoint	Keypad	Controller Mode	RH	Temp	Cover
MN-S1-500	None						X	*
MN-S1HT-500	None					X	X	*
MN-S2-500	Status LED	X		1 Button			X	*
MN-S2HT-500	Status LED	X		1 Button		X	X	*
MN-S3-500	LCD and LED Override Status	X	X	3 Button			X	*
MN-S3HT-500	LCD and LED Override Status	X	X	3 Button		X	X	*
MN-S4-500	LCD and LED Override Status	X	X	6 Button	X		X	*
MN-S4HT-500	LCD and LED Override Status	X	X	6 Button	X	X	X	*
MN-S4-FCS-500	LCD and LED Fan Status	X	X	6 Button	X		X	*
MN-S4HT-FCS-500	LCD and LED Fan Status	X	X	6 Button	X	X	X	*
MN-S5-500	LCD and LED Override Status with Emergency Heat	X	X	7 Button	X		X	*
MN-S5HT-500	LCD and LED Override Status with Emergency Heat	X	X	7 Button	X	X	X	*

* DCQC-150-SE cover is sold separately.






See analog sensors, next page.

Sensors for TAC I/A Controllers (cont.)

TAC I/A Series Overview

I/A Series controllers connect to SpaceLogic Sensors through I/O points. Schneider Electric SLA Series SpaceLogic Sensors are available in “Medium” matte white, “Optimum” white glass panel and “Optimum” black glass panel finishes. SLA Series sensors are available with a temperature transmitter that the controller can be configured to accept. CW2, HW2 and TW2 sensors by Veris share the same platform as the SLA Series but are available with the specific thermistor type needed for I/A Controllers and don’t require reconfiguration of temperature settings making them a great choice for retrofit applications. Veris sensors are only available with “Medium” matte white finish with no logo on the cover. The SLA Series, CW2, HW2 and TW2 sensors are available with CO₂, RH and Temperature sensors with Touchscreen, LCD or Blank covers.

Analog Output with Thermistor Sensors for TAC I/A Series

	Model	Display	Override	Setpoint	CO ₂	RH	Temp	Housing Finish	Faceplate Logo
	SLAWTC2	Touchscreen	*	*	X	X	Xmtr	Optimum, White	Schneider Electric
	SLAWTX2	Touchscreen	*	*		X	Xmtr	Optimum, White	Schneider Electric
	SLAWTXX	Touchscreen	*	*			Xmtr	Optimum, White	Schneider Electric
	SLAWXC2	None			X	X	Xmtr	Optimum, White	Schneider Electric
	SLAWXX2	None				X	Xmtr	Optimum, White	Schneider Electric
	SLAWXXX	None					Xmtr	Optimum, White	Schneider Electric
	SLABTC2	Touchscreen	*	*	X	X	Xmtr	Optimum, Black	Schneider Electric
	SLABTX2	Touchscreen	*	*		X	Xmtr	Optimum, Black	Schneider Electric
	SLABTXX	Touchscreen	*	*			Xmtr	Optimum, Black	Schneider Electric
	SLABXC2	None			X	X	Xmtr	Optimum, Black	Schneider Electric
	SLABXX2	None				X	Xmtr	Optimum, Black	Schneider Electric
	SLABXXX	None					Xmtr	Optimum, Black	Schneider Electric
	SLASTC2	Touchscreen	*	*	X	X	Xmtr	Medium, White	Schneider Electric
	SLASTX2	Touchscreen	*	*		X	Xmtr	Medium, White	Schneider Electric
	SLASTXX	Touchscreen	*	*			Xmtr	Medium, White	Schneider Electric
	SLASXC2	None			X	X	Xmtr	Medium, White	Schneider Electric
	SLASXX2	None				X	Xmtr	Medium, White	Schneider Electric
	SLASXXX	None					Xmtr	Medium, White	Schneider Electric
	CW2TA2K	Touchscreen	*	*	X	X	10K/S	Medium, White	None
	HW2TA2K	Touchscreen	*	*		X	10K/S	Medium, White	None
	TW2TAXK	Touchscreen	*	*			10K/S	Medium, White	None
	CW2XA2K	None			X	X	10K/S	Medium, White	None
	HW2XA2K	None				X	10K/S	Medium, White	None
	TW2XAXK	None					10K/S	Medium, White	None
	SCR810	Mode Indicator			X		10K/S	White and Gray	Schneider Electric
	SCR810B	None			X		10K/S	White and Gray	Schneider Electric
	SHR810-T	Mode Indicator				X	10K/S	White and Gray	Schneider Electric
	STR800	None					10K/S	White and Gray	Schneider Electric

*Configurable in controller.

The table below shows the number of I/O points required for each output type. Note: override and setpoint are included with all display models but are not required to be connected. Do not count toward I/O if you do not intend to use them.






	CO ₂	VOC	RH	Temp.	Setpoint	Override
I/O Required	1	1	1	1	1	1

Sensors for TAC Vista Controllers

TAC Vista Series Overview

Vista Series controllers connect to SpaceLogic Sensors through I/O points. Schneider Electric SLA Series SpaceLogic Sensors are available in “Medium” matte white, “Optimum” white glass panel and “Optimum” black glass panel finishes. SLA Series sensors are available with a temperature transmitter that the controller can be configured to accept. CW2, HW2 and TW2 sensors by Veris share the same platform as the SLA Series but are available with the specific thermistor type needed for Vista and don’t require reconfiguration of temperature settings making them a great choice for retrofit applications. Veris sensors are only available with “Medium” matte white finish with no logo on the cover. The SLA Series, CW2, HW2 and TW2 sensors are available with CO₂, RH and Temperature sensors with Touchscreen, LCD or Blank covers. The legacy STR, SHR and SCR Sensors are available for applications requiring the legacy SxR aesthetic. STR150 and STR250 communicating temperature sensors with LCD display are on the next page.

Analog Output with Thermistor/Shunt Sensors for TAC Vista Series

	Model	Display	Bypass Button	Setpoint	Fan Speed Control	CO ₂	RH	Temp	Housing Finish	Faceplate Logo
	SLAWTC2	Touchscreen	*	*	*	X	X	Xmtr	Optimum, White	SE
	SLAWTX2	Touchscreen	*	*	*		X	Xmtr	Optimum, White	SE
	SLAWTXX	Touchscreen	*	*	*			Xmtr	Optimum, White	SE
	SLAWXC2	None				X	X	Xmtr	Optimum, White	SE
	SLAWXX2	None					X	Xmtr	Optimum, White	SE
	SLAWXXX	None						Xmtr	Optimum, White	SE
	SLABTC2	Touchscreen	*	*	*	X	X	Xmtr	Optimum, Black	SE
	SLABTX2	Touchscreen	*	*	*		X	Xmtr	Optimum, Black	SE
	SLABTXX	Touchscreen	*	*	*			Xmtr	Optimum, Black	SE
	SLABXC2	None				X	X	Xmtr	Optimum, Black	SE
	SLABXX2	None					X	Xmtr	Optimum, Black	SE
	SLABXXX	None						Xmtr	Optimum, Black	SE
	SLASTC2	Touchscreen	*	*	*	X	X	Xmtr	Medium, White	SE
	SLASTX2	Touchscreen	*	*	*		X	Xmtr	Medium, White	SE
	SLASTXX	Touchscreen	*	*	*			Xmtr	Medium, White	SE
	SLASXC2	None				X	X	Xmtr	Medium, White	SE
	SLASXX2	None					X	Xmtr	Medium, White	SE
	SLASXXX	None						Xmtr	Medium, White	SE
	CW2TA2N	Touchscreen	*	*	*	X	X	1.8K	Medium, White	None
	HW2TA2N	Touchscreen	*	*	*		X	1.8K	Medium, White	None
	TW2TAXN	Touchscreen	*	*	*			1.8K	Medium, White	None
	CW2XA2N	None				X	X	1.8K	Medium, White	None
	HW2XA2N	None					X	1.8K	Medium, White	None
	TW2XAXN	None						1.8K	Medium, White	None
	SCR110	Mode Indicator				X		1.8K	White and Gray	SE
	SCR110B	None				X		1.8K	White and Gray	SE
	SCR110-H	Mode Indicator				X	X	1.8K	White and Gray	SE
	SCR110B-H	None				X	X	1.8K	White and Gray	SE
	SHR110-T	Mode Indicator					X	1.8K	White and Gray	SE
	STR100	None						1.8K	White and Gray	SE
	STR102	Mode Indicator	X					1.8K	White and Gray	SE
	STR106	Mode Indicator	X	X	A-0-1-2-3			1.8K	White and Gray	SE

*Configurable in controller. The SLA Series has a single setpoint that can be configured for Temp, RH or Fan Speed, so only setpoint can be chosen.

The table below shows the number of I/O points required for each output type. Note: override and setpoint are included with all display models but are not required to be connected. Do not count toward I/O if you do not intend to use them.

	CO ₂	VOC	RH	Temp.	Setpoint	Override
I/O Required	1	1	1	1	1	1

Sensors for TAC Vista Controllers (cont.)

TAC Vista Series Overview

STR150 and STR250 communicating temperature sensors with LCD display connect to TAC Vista controllers with a proprietary comms signal. Unlike the analog STR models, communicating STR models have a large LCD display and faceplate buttons to control setpoint, override/bypass and fan speed controls.

STR150 and STR250 Communicating Temperature Sensors with LCD Display

Model	Display	Bypass Button	Setpoint	Fan Speed Control	Temp	Output	Controller
STR150	LCD	X	X	X	X	Special Comms	TAC Vista 102, 103, 104 and 121 (except Vista 102-AX)
STR250	LCD	X	X	X	X	Special Comms	TAC Vista 102-AX



STR150



STR250

Sensors for Non-Schneider Electric Controllers

Controllers with I/O Analog Inputs and/or Thermistors

CW2, HW2 and TW2 Series sensors by Veris are designed for use with third party BAS controllers that accept 4 to 20mA, 0 to 5Vdc or 0 to 10Vdc sensor outputs via I/O. CW2, HW2 and TW2 Series sensors are available with VOC/CO₂, CO₂, RH sensors and the specific thermistor types needed for temperature inputs on many common third party BAS controllers. These sensors share the same platform as the SLA Series and are available with three user interface options: touchscreen, LCD with three buttons and blank. Touchscreen and LCD with three-button models include a momentary override and a configurable 0-10V setpoint for temp, RH or fan speed. All models include the "Medium" matte white finish with no logo on the face.

User Interface Types



CW2 Air Quality Sensors

User Interface	Output	RH Accuracy*	Temperature	VOC Sensor
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
T = Color touchscreen L = 3-button LCD display X = None***	A = Analog	2 = 2% X = None***	A = Transmitter C = 1000 PT RTD D = 10K T2 thermistor H = 10K T3 thermistor K = 10K curve G/11K shunt M = 20K NTC thermistor N = 1.8K TAC thermistor	V = NDIR CO ₂ / VOC** = None

Example: CW2 T A 2 A V

* Replaceable 1% with NIST certificate, 2% with NIST certificate and 2% elements available.
** VOC only available with temperature transmitter option
*** For analog non-display, non-RH, models with RTD/thermistor order from CWE2 line.

HW2 Humidity Sensors

User Interface	Output	RH Accuracy*	Temperature
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
T = Color touchscreen L = 3-button LCD display X = None	A = Analog	2 = 2%	A = Transmitter C = 1000 PT RTD D = 10K T2 thermistor G = 10K CPC thermistor** H = 10K T3 thermistor K = 10K curve G/11K shunt M = 20K NTC thermistor N = 1.8K TAC thermistor R = 10K curve G***

Example: HW2 T A 2 A

* Replaceable 1% with NIST certificate, 2% with NIST certificate and 2% elements available.
** Available in HW2XA2G only.
*** Available in HW2XA2R only.

TW2 Temperature Sensors

User Interface	Output		Temperature
<input type="checkbox"/>	<input type="checkbox"/>	X	<input type="checkbox"/>
T = Color touchscreen L = 3-button LCD display X = None	A = Analog		A = Transmitter C = 1000 PT RTD D = 10K T2 thermistor H = 10K T3 thermistor K = 10K curve G/11K shunt M = 20K NTC thermistor N = 1.8K TAC thermistor

Example: TW2 T A X A

Sensors for Non-Schneider Electric Controllers (cont.)

Controllers with I/O Analog Inputs and/or Thermistors (cont.)



CWE2 & CWV2

CWE2 Economy Air Quality Sensors

CWE2

Temperature

Example: CWE2 C

- = None
- C = 1000 PT RTD
- D = 10K T2 thermistor
- H = 10K T3 thermistor
- K = 10K curve G/11K shunt
- M = 20K NTC thermistor
- N = 1.8K TAC thermistor

CWV2 Value Air Quality Sensors

Model	User Interface
CWV2	Blank

Controllers with BACnet MSTP or Modbus RTU Inputs

CW2P, HW2P and TW2P Series sensors by Veris are designed for use with third party BAS controllers that use BACnet MSTP or Modbus via RS-485. These sensors share the same platform as the SLP Series and are available with VOC/CO₂, CO₂, RH and Temperature sensors with Touchscreen, LCD and Blank covers. Touchscreen and LCD with three button models include a momentary override and setpoint for temp, RH or fan speed. All models include the "Medium" matte white finish with no logo on the face. If Schneider Electric-branding or "Optimum" white glass panel and "Optimum" black glass panel finishes are required, SLP models listed on AS-P Series BACnet Controllers (page 9) may be used.

User Interface Types



Touchscreen



LCD with Buttons



Blank

CW2P Air Quality Sensors

CW2P

User Interface

Output

RH Accuracy*

A

VOC Sensor

Example: CW2 T P 2 A V

- T = Color touchscreen
- L = 3-button LCD display
- X = None***
- P = BACnet/Modbus
- 2 = 2%
- X = None
- V = NDIR CO₂ / VOC
- = None

* Replaceable 1% with NIST certificate, 2% with NIST certificate and 2% elements available.

HW2P Humidity Sensors

Model	User Interface	RH*	Temp.	Setpoint	Override
HW2TP2A	Touchscreen	X	X	X	X
HW2LP2A	LCD / 3 Buttons	X	X	X	X
HW2XP2A	Blank	X	X		

* Replaceable 1% with NIST certificate, 2% with NIST certificate and 2% elements available.

TW2P Temperature Sensors

Model	User Interface	Setpoint	Override	Temperature Sensor
TW2TPXA	Touchscreen	X	X	Temperature Transmitter
TW2LPXA	LCD / 3 Buttons	X	X	Temperature Transmitter
TW2XPXA	Blank	X	X	Temperature Transmitter

