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SpaceLogic™ Living Space Sensor Selection Guide

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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 CO_2, 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. CO_2, 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 CO_2/VOC, CO_2, 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 CO_2/VOC, CO_2, Relative Humidity, and Temperature sensors.

The legacy SxR Series within the Schneider Electric SpaceLogic Sensors offer is also supported.

SCR, SHR and STR (SxR) Series Sensors

SCR, SHR and STR Sensors have selectable 4-20mA, 0-5V or 0-10V analog outputs for CO_2 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 Xenta controllers using I/O positions.

SXWS, SLA, SLP Sensors



Optimum White



Optimum Black



Medium White

Legacy Sensors



SxR

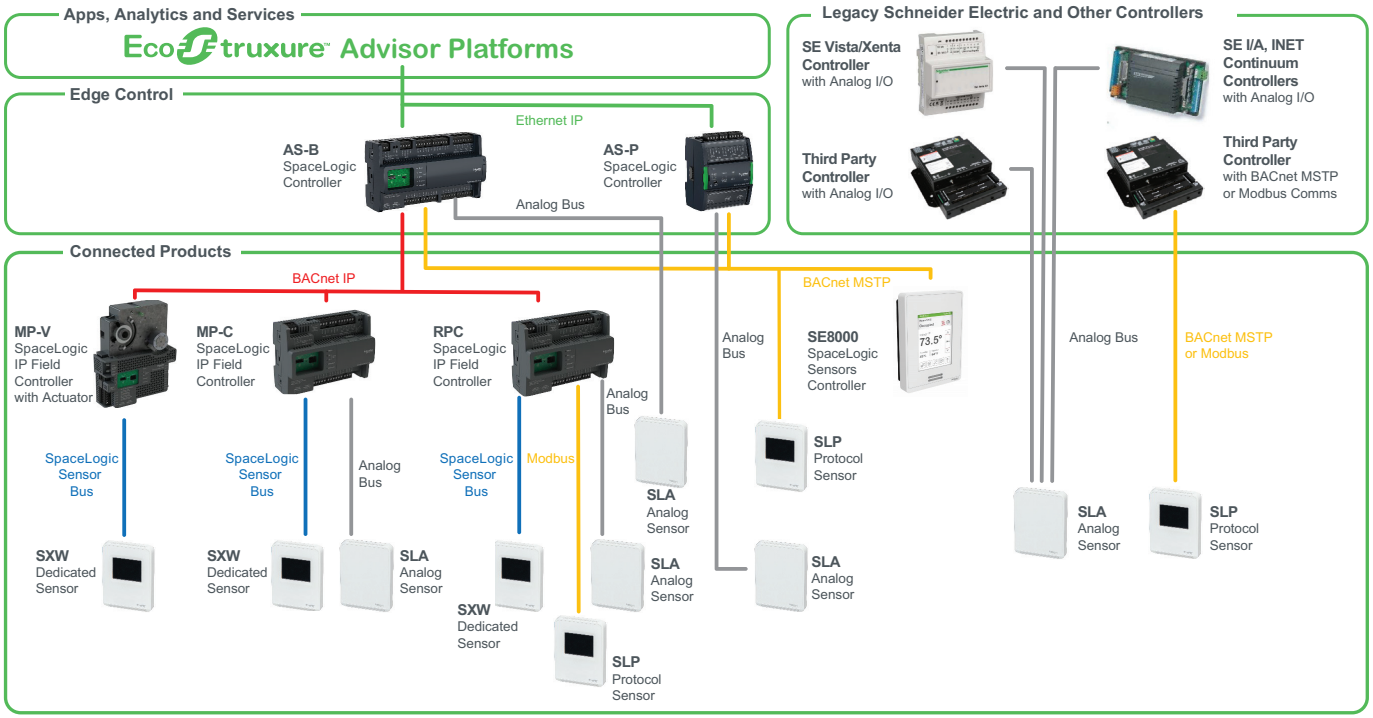
Overview, cont.

SpaceLogic Sensors and Controller Compatibility Matrix

	MP-x	RP-x	AS-B	AS-P	Continuum	TAC I/A	TAC I/NET	Xenta/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	X
SLA - CO_2	1	1	X	X	X	X	X	X	X
SLA - Humidity	1	1	X	X	X	X	X	X	X
SLA - Temp	X	X	X	X	2	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
SCR - CO_2					X	X	X	X	
SHR - Humidity					X	X	X	X	
STR - Temperature					X	X	X	X	

1. While this will work with the I/O on MP controllers, SXWS CO_2 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.

Table of Contents

Sensors for MP Series SpaceLogic IP Controllers 4

Sensors for RP Series SpaceLogic IP Controllers 6

Sensors for AS-B Series SpaceLogic IP Controllers 8

Sensors for AS-P Series SpaceLogic IP Controllers 10

Sensors for Andover Continuum Controllers 12

Sensors for TAC/IA Controllers 13

Sensors for TAC I/NET Controllers 14

Sensors for TAC Xenta Controllers 15

Sensors for Non-Schneider Electric Third Party Controllers 16

Sensors for MP Series SpaceLogic IP Controllers

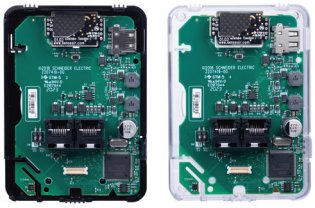
MP Series Overview

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 CO_2, 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.

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

Sensor Bases

CO_2
Humidity
Temperature



Model	Temp.	RH	CO_2	Cover	SpaceLogic Sensor Bus	Base Color
SXWSBTXXXSXX	X			Not Included	X	Clear/Transparent
SXWSBTHXXSXX	X	X		Not Included	X	Clear/Transparent
SXWSBTXCXSXX	X		X	Not Included	X	Clear/Transparent
SXWSBTXCXSXB	X		X	Not Included	X	Black
SXWSBTHCXSXX	X	X	X	Not Included	X	Clear/Transparent

Covers

		Model	61mm (2.4”) Color Touchscreen	Override	Setpoint	Occupancy Sensor (PIR)	Housing Finish
Touchscreen		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		SXWSCBXSELXX					Medium, White
		SXWSCBPSELXX				X	Medium, White
		SXWSCBXSELXW					Optimum, White
		SXWSCBPSELXW				X	Optimum, White
		SXWSCBXSELXB					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/CO_2, 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.

Analog Output Models For Use With I/O

- VOC/CO_2
- 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 CO_2, 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 touch-screen 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.

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

Sensor Bases

CO_2
Humidity
Temperature





Model	Temp.	RH	CO_2	Cover	SpaceLogic Sensor Bus	Base Color
SXWSBTXXXSXX	X			Not Included	X	Clear/Transparent
SXWSBTHXXSXX	X	X		Not Included	X	Clear/Transparent
SXWSBTXCXSXX	X		X	Not Included	X	Clear/Transparent
SXWSBTXCXSXB	X		X	Not Included	X	Black
SXWSBTHCXSXX	X	X	X	Not Included	X	Clear/Transparent

Covers

		Model	61mm (2.4”) Color Touchscreen with Light/ Blind Control	Off Screen Lighting Buttons	Off Screen Blind Buttons	Override	Setpoint	Occ. Sensor (PIR)	Housing Finish
Touchscreen with Off-Screen Light/Blind Buttons		SXWSC4XSELXW	X	X	X	X	X		Optimum, White
		SXWSC4PSELXW	X	X	X	X	X	X	Optimum, White
		SXWSC2XSELXW	X	X		X	X		Optimum, White
		SXWSC2PSELXW	X	X		X	X	X	Optimum, White
		SXWSC4XSELXB	X	X	X	X	X		Optimum, Black
		SXWSC4PSELXB	X	X	X	X	X	X	Optimum, Black
		SXWSC2XSELXB	X	X		X	X		Optimum, Black
		SXWSC2PSELXB	X	X		X	X	X	Optimum, Black
Touchscreen		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		SXWSCBXSELXX							Medium, White
		SXWSCBPSELXX						X	Medium, White
		SXWSCBXSELXW							Optimum, White
		SXWSCBPSELXW						X	Optimum, White
		SXWSCBXSELXB							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/CO_2, 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.

BACnet/Modbus Protocol Output Models

- VOC/CO_2
- 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 the 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/CO_2, CO_2, 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.

Housing Finishes



Optimum White



Optimum Black



Medium White

User Interface Types



Touchscreen



LCD with Buttons



Blank

Multi-Sensor Models

SLA □ □ □ □

Housing	User Interface	CO_2 Sensor	RH Sensor*
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	

Example: SLA [S] [T] [C] [2]

* 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

SLP □ □ □ □

Housing
- S = Medium white matte housing
- W = Optimum white housing
- B = Optimum black housing

User Interface
- T = Color touchscreen
- L = 3-button LCD display
- X = None

CO_2 Sensor
- C = NDIR CO_2
- CV = NDIR CO_2 / VOC
- X = None

RH Sensor*
- 2 = 2%
- X = None

Example: SLP [S] [T] [C] [2]

* 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 the 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/CO_2, CO_2, 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.

Housing Finishes



Optimum White



Optimum Black



Medium White

User Interface Types



Touchscreen



LCD with Buttons



Blank

Analog Output Sensors for AS-P Series

Multi-Sensor Models

SLA	Housing	User Interface	CO_2 Sensor	RH Sensor*
	S = Medium white matte housing W = Optimum white housing B = Optimum black housing	T = Color touchscreen L = 3-button LCD display X = None	C = NDIR CO_2 CV = NDIR CO_2 / VOC X = None	2 = 2% X = None

Example: SLA S T C 2

* 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


Optimum White


Optimum Black


Medium White

User Interface Types



Touchscreen



LCD with Buttons


Blank

BACnet/Modbus Output Sensors for AS-P Series

Multi-Sensor Models

SLP □ □ □ □

Housing	User Interface	CO_2 Sensor	RH Sensor*
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	

Example: SLP [S] [T] [C] [2]

* 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

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. The SLA Series sensors are available with CO_2, 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 Sensors for Andover Continuum Series









Model	Part No.	Display	Override	Setpoint	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					10K T3	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					10K T3	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					10K T3	Medium, White	SE
SCR510	5152408000	Mode Indicator			X		10K T3	White and Gray	SE
SCR510B	5152428000	None			X		10K T3	White and Gray	SE
SCR510-H	5152410000	Mode Indicator			X	X	10K T3	White and Gray	SE
SCR510B-H	5152430000	None			X	X	10K T3	White and Gray	SE
SHR510-T	006903515	Mode Indicator				X	10K T3	White and Gray	SE
STR500	004606000	None					10K T3	White and Gray	SE
STR502	004606100	Mode Indicator		X			10K T3	White and Gray	SE
STR504	004606200	Mode Indicator	X	X			10K T3	White and Gray	SE

*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 I/A Controllers

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 CO_2, 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 Sensors for TAC I/A Series






Model	Part No.	Display	Override	Setpoint	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
SCR810	5152416000	Mode Indicator			X		10K/S	White and Gray	SE
SCR810B	5152436000	None			X		10K/S	White and Gray	SE
SHR810-T	006903815	Mode Indicator				X	10K/S	White and Gray	SE
STR800	004607000	None					10K/S	White and Gray	SE

*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 I/NET Controllers

TAC I/NET Series Overview

I/NET 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. The SLA Series sensors are available with CO_2, 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 Sensors for TAC I/NET Series






Model	Part No.	Display	Override	Setpoint	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
SCR210	5152404000	Mode Indicator			X		10K T2	White and Gray	SE
SCR210B	5152424000	None			X		10K T2	White and Gray	SE
SCR210-H	5152406000	Mode Indicator			X	X	10K T2	White and Gray	SE
SCR210B-H	5152426000	None			X	X	10K T2	White and Gray	SE
SHR210-T	006903215	Mode Indicator				X	10K T2	White and Gray	SE
STR200	004603000	None					10K T2	White and Gray	SE
STR202	004603200	None	X	X			10K T2	White and Gray	SE

*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 Xenta Controllers

TAC Xenta Series Overview

Xenta 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 CO_2, 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.









Model	Part No.	Display	Bypass Button	Set-point	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
SCR110	5152400000	Mode Indicator				X		1.8K	White and Gray	SE
SCR110B	5152420000	None				X		1.8K	White and Gray	SE
SCR110-H	5152402000	Mode Indicator				X	X	1.8K	White and Gray	SE
SCR110B-H	5152422000	None				X	X	1.8K	White and Gray	SE
SHR110-T	006903115	Mode Indicator					X	1.8K	White and Gray	SE
STR100	004600100	None						1.8K	White and Gray	SE
STR102	004600300	Mode Indicator		X				1.8K	White and Gray	SE
STR106	004600500	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.

STR150 and STR250 communicating temperature sensors with LCD display connect to TAC Xenta 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 Xenta 102, 103, 104 and 121 (except Xenta 102-AX)
STR250	LCD	X	X	X	X	Special Comms	TAC Xenta 102-AX



STR150



STR250

Sensors for Non-Schneider Electric Controllers

Controllers with I/O Analog Inputs

SLA Series sensors by Schneider Electric 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. SLA Series sensors are available with VOC/CO_2, CO_2, 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. Touchscreen and LCD with three button models include a momentary override and a single 0-10V setpoint output configurable for temp, RH or fan speed.

Housing Finishes



Optimum White



Optimum Black



Medium White

User Interface Types



Touchscreen



LCD with Buttons



Blank

Multi-Sensor Models

SLA ☐ ☐ ☐ ☐

Housing	User Interface	CO_2 Sensor	RH Sensor*
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	

Example: SLA [S] [T] [C] [2]

* 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 Non-Schneider Electric Controllers (cont.)

Controllers with BACnet MSTP or Modbus Inputs

SLP Series sensors by Schneider Electric are designed for use with third party BAS controllers that use BACnet MSTP or Modbus via RS-485. SLA Series sensors are available with VOC/CO_2, CO_2, 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. Touchscreen and LCD with three button models include a momentary override and a three setpoint outputs for temp, RH and fan speed.

Housing Finishes



Optimum White



Optimum Black



Medium White

User Interface Types



Touchscreen



LCD with Buttons



Blank

BACnet/Modbus Output Sensors for AS-P Series

Multi-Sensor Models

SLP □ □ □ □ □

Housing

S = Medium white matte housing
W = Optimum white housing
B = Optimum black housing

User Interface

T = Color touchscreen
L = 3-button LCD display
X = None

CO_2 Sensor

C = NDIR CO_2
CV = NDIR CO_2 / VOC
X = None

RH Sensor*

2 = 2%
X = None

Example: SLP [S] [T] [C] [2]

* 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

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