

# SpaceLogic Sensors

## Temperature Sensors – Analog



Note: A subset of models shown.

### Product Description

The SpaceLogic SLA Series of temperature sensors for living space is for use with BAS controllers which use 4 to 20mA, 0 to 5Vdc, 0 to 10Vdc or 10K Type 3 thermistors. Housings are available in Medium matte white and Optimum faces in black and white. All housing types are available with three user interface options: touchscreen, LCD with three buttons and blank. Touchscreen and LCD models provide 4 to 20mA, 0 to 5Vdc and 0 to 10Vdc outputs. Blank models provide a low-cost resistive output with a 10K Type 3 thermistor.

### Features

- Medium matte white housing or optimum glass panel housing available in white or black
- 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)
  - Selectable temp or fan speed setpoint (0-10V)
  - Configurable screen/button lock and display timeout
  - Override
- Selectable 4 to 20mA, 0 to 5V and 0 to 10V analog outputs
- 18-24 AWG screw terminals

### Available Products

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

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 Europe: +46 10 478 2000  
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## Specifications

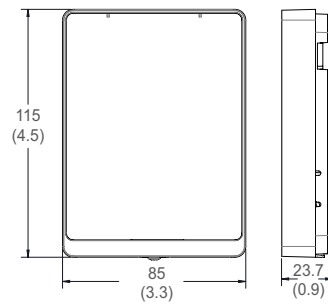
Operating Environment	
Input power	Class 2; 20 to 30 Vdc, 24 Vac, 50 to 60 Hz
Analog output	Selectable 4 to 20 mA, 0 to 5 V, 0 to 10 V
Operating temp. range	0 to 50 °C (32 to 122 °F)
Operating humidity range	0 to 95% RH non-condensing
Housing material	High impact ABS plastic
IP rating	IP 30
Temperature Sensor	
Sensor type	Solid state, integrated circuit or 10k Type 3
Accuracy	±0.2 °C (±0.4 °F) typical
Resolution	0.1 °C (0.1 °F)
Range	0 to 50 °C (32 to 122 °F)
Display Models	
Touchscreen	61 mm (2.4 in), color, backlit, capacitive, 240x300px Setpoint: 0-10Vdc. Temperature or fan speed selectable* Timeout override: Display timeout* Lockout override: Touchscreen/button lockout*
LCD	52mm (2.05 in), segmented with 3 buttons Setpoint: 0-10Vdc. Temperature or fan speed selectable Timeout override: Display timeout* Lockout override: Touchscreen/button lockout*
Setpoints**	
Temperature setpoint	0 to 10V output Scale: 10 to 35 °C (50 to 95 °F) / 0 to 50 °C (32 to 122 °F)
Fan speed setpoint	0 to 10V output Off 0V, Low 3.3V, Med. 6.7V, High 10.0V
Override	
Override button	Display models feature momentary-to-ground override button
Wiring Terminals	
Terminal blocks	Screw terminals, 18-24 AWG
Screw terminal torque	0.2 N-m (2.0 in-lbF) max.
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)

\* DIP switch selectable.

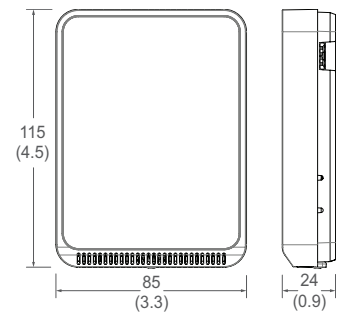
\*\* One setpoint type is selectable via DIP switch on display models only.

## Dimensions mm (in.)

### Optimum Housing



### Medium Housing



## Housing Finishes



Optimum White

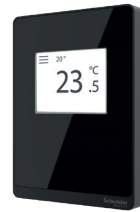


Optimum Black



Medium White

## User Interface Types



Touchscreen



LCD with Buttons



Blank

## Power Table

Model	Description	Max. VA
SLAxLxx	LCD Temperature	1.08
SLAxTxx	Touch Temperature/Humidity	3.024

Note: Model numbers based on supported product matrix.

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