



# SpaceLogic Living Space Analog and Protocol Sensors

Particulate Matter Series

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**Schneider**  
Electric

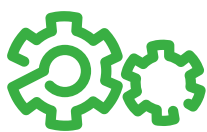




# Empowering healthier spaces

With comprehensive particulate matter monitoring, our **Living Space Analog and Protocol Particulate Matter Series** redefines indoor air quality management.

Elevating the standard for commercial buildings, this technology not only helps optimize energy efficiency but also helps safeguard the health and wellbeing of occupants. How do we do this?



## Retrofitting

Compatible with any BMS and integrable with 3rd party systems via multiple selectable outputs (analog, Protocol-BACnet, and Modbus), this all-in-one sensor simplifies the process of updating existing buildings.



## Occupant well-being

Accurate monitoring of air quality parameters provides early detection of air issues helping to prevent health risks.

The CO<sub>2</sub> and PM stoplight indicator on touchscreen models gives visibility of levels to help ensure optimum air quality.



## Cost savings

Replaceable modules: Screwless terminal block wiring and automatic calibrations help drive down the cost of installation and maintenance.

The Ready-Connect plug and play feature helps simplify the commissioning process.

The **SpaceLogic Living Space Particulate Matter Series** of air quality sensors is a versatile, multi-sensor platform available in both optimum and medium housing types to elevate occupant wellbeing, boost comfort, and maximize energy savings while meeting living space design needs and budget constraints.

By optimizing HVAC systems with performance analytics, our **Living Space Sensors** contribute to sustainability and decarbonization efforts.



## The product



The all-in-one sensor combines temperature, humidity, CO<sub>2</sub>, VOC (Volatile Organic Compounds), and PM (Particulate Matter) sensing into a single unit to ensure a building's optimum air quality and energy efficiency.



Each sensor converts a measurement into one of the following output options:

- Analog output: 4 – 20 mA, 0 to 5 Vdc or 0 to 10 Vdc
- Protocol output: BACnet and Modbus via RS-485



Optimum and medium ranges are available based on application requirements and budget.



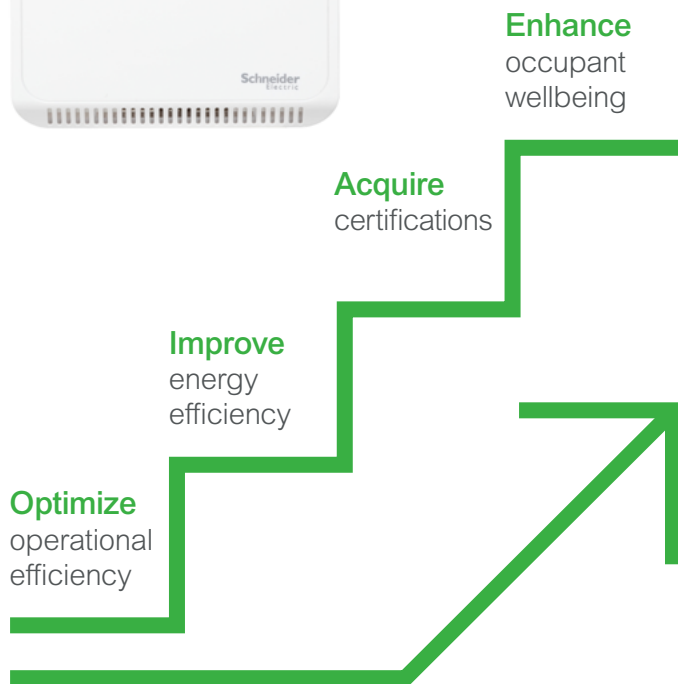
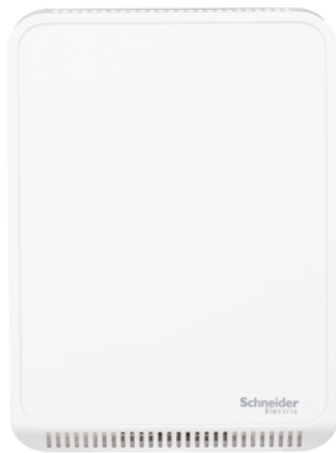
Our sensors are key to earning credit for the LEED Green Building Program and WELL Building Standard.

Schneider Electric™ is a proven market leader with extensive experience in sensor technology and HVAC innovations.

## The benefits

- Extend business opportunities into new markets and with new customers.
- Provide accurate measurements of indoor air quality to increase occupant wellbeing and comfort.
- Facilitate operations with the Ready-Connect feature which enables ease of commissioning with a plug 'n play experience.
- Raise a building's value with sensors that comply with multiple standard requirements.
- Compatible with all building management systems.

# Typical sensing needs



## Optimal indoor air quality control

### Analog models

Blank	Sensor with PM1, PM2.5, PM4, & PM10
Touchscreen	Sensor with Temp, RH, CO <sub>2</sub> , PM2.5

### Protocol models

Blank	Sensor with Temp, RH, CO <sub>2</sub> , VOC, PM1, PM2.5, PM4, & PM10
Touchscreen	Sensor with Temp, RH, CO <sub>2</sub> , VOC, PM1, PM2.5, PM4, & PM10

## Simplified connectivity

- 3rd party integration - open protocol through Modbus and BACnet
- Plug 'n' Play experience enabled by Ready-Connect

## Flexibility of deployment and operation

- 3rd party integration - open protocol through Modbus and BACnet
- Field-replaceable PM module
- Ease of commissioning with SE EBO via Ready-Connect

## Key features

- EBO offset feature in SLP models allows internal adjustment to counterbalance settings being affected by sensor location (ex. on wall in direct sunlight)
- Manual field calibratable non-dispersive infrared CO<sub>2</sub> sensor
- CO<sub>2</sub> and PM stoplight Indicator on touchscreen models
- PM replaceable module allows replacement of sensor module without changing the whole SLA or SLP sensor
- PM dedicated screen on SLP Touchscreen models
- Automatic background calibration on CO<sub>2</sub> sensing
- Temperature setpoint value on home screen can be hidden if needed via the toggle function
- EBO integration offers critical data analytics for troubleshooting and a faster response time to problems



# Series nomenclature

## SLA sensors

Model number	Description	User interface	Housing finish
SLASTCP2	Sensor, PM2.5, CO <sub>2</sub> , RH, Touch, Analog	Touchscreen	Medium white
SLABTCP2	Sensor, PM2.5, CO <sub>2</sub> , RH, Touch, Analog, Optm Bk	Touchscreen	Optimum black
SLAWTCP2	Sensor, PM2.5, CO <sub>2</sub> , RH, Touch, Analog, Optm Wh	Touchscreen	Optimum white
SLASXXPX	Sensor, PM1, PM2.5, PM4, PM10, Analog	Blank	Medium white
SLABXXPX	Sensor, PM1, PM2.5, PM4, PM10, Analog, Optm Bk	Blank	Optimum black
SLAWXXPX	Sensor, PM1, PM2.5, PM4, PM10, Analog, Optm Wh	Blank	Optimum white

## Replaceable PM Elements

Model number	Description
SLXPMS	Replaceable Module, PM



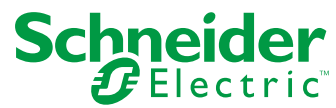
## SLP sensors

Model number	Description	User interface	Housing finish
SLPSTCVP2	Sensor, PM, CO <sub>2</sub> , VOC, RH, Temp, Touch, BAC/MB	Touchscreen	Medium white
SLPBTCVP2	Sensor, PM, CO <sub>2</sub> , VOC, RH, Temp, Touch, BAC/MB, Optm Bk	Touchscreen	Optimum black
SLPWTCVP2	Sensor, PM, CO <sub>2</sub> , VOC, RH, Temp, Touch, BAC/MB, Optm Wh	Touchscreen	Optimum white
SLPSXCVP2	Sensor, PM, CO <sub>2</sub> , VOC, RH, Temp, BAC/MB	Blank	Medium white
SLPBXCVP2	Sensor, PM, CO <sub>2</sub> , VOC, RH, Temp, BAC/MB, Optm Bk	Blank	Optimum black
SLPWXCVP2	Sensor, PM, CO <sub>2</sub> , VOC, RH, Temp, BAC/MB, Optm Wh	Blank	Optimum white

## Replaceable PM Elements

Model number	Description
SLXPMS	Replaceable Module, PM

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