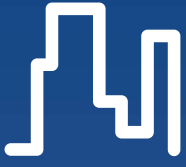


HVAC Sensoren

Gebouwautomatiseringsoplossingen





Gebouwen



Vliegvelden



Ziekenhuizen



Hotels



Industrie



Make the most of your energy

Schneider Electric

Schneider Electric, wereldwijde specialist in energiemanagement, biedt geïntegreerde oplossingen om energie veiliger, betrouwbaarder, efficiënter en productiever te maken voor de segmenten gebouwen, data- en netwerkcentra, industrie, energie, infrastructuur en woningen. Met een omzet van € 17,3 miljard in 2007 en 120.000 medewerkers in 102 landen, helpt Schneider Electric mensen en bedrijven **'Make the most of their energy'**.

TAC

In 2003 heeft Schneider Electric de Zweedse gebouwautomatiseerder TAC overgenomen. TAC heeft meer dan 80 jaar ervaring in automatiseringsoplossingen voor gebouwen gebaseerd op een open geïntegreerde IT-structuur. Het portfolio van TAC bevat producten van TAC Vista, TAC I/NET, TAC Vista Security, TAC I/A series, Andover Continuum, en Pelco. Een aanbod dat samen met het bestaande portfolio van Schneider Electric de tools biedt gebouwen comfortabeler, economischer en veiliger te maken. TAC is leverancier van Open Systems for Building IT en ondersteunt LonMark[®], LonWorks[®] en BACnet[®] wereldwijd.

De gebouwautomatiseringsoplossingen worden op de markt gebracht in samenwerking met geselecteerde partners.

Om de Nederlandstalige markt zo goed mogelijk te bedienen is er een nauwe samenwerking tussen Schneider Electric België en Schneider Electric Nederland. Het doel van Schneider Electric is om een totaal geïntegreerde oplossingen te leveren en hierbij gebruik te maken van de synergie van het uitgebreide portfolio van Schneider Electric.



HVAC Sensors

Temperature sensors

| | |
|---|-----------|
| Room temperature sensors | 6 |
| STR100, STR200, STR600 | 6 |
| STR150, STR250, STR350/351 | 7 |
| Duct temperature sensors | 8 |
| STD100, STD200, STD500 | 8 |
| STD660, STD670, STD150 | 9 |
| Duct temperature averaging sensors | 10 |
| STD190, STD591, STD550 | 10 |
| Duct temperature transmitters | 10 |
| STD300 | 10 |
| STD400 | 11 |
| STD410 | 12 |
| Immersion temperature sensors | 13 |
| STX140, STX120, STX520, STX122 | 13 |
| Immersion temperature sensors for pockets | 14 |
| STP100, STP200, STP500, STP600D | 14 |
| STP660, STP120, STP620 | 15 |
| Immersion temperature transmitters for pockets | 16 |
| STP300 | 16 |
| Pockets/wells | 17 |
| Strap on temperature sensors | 18 |
| STC100, STC200, STC500, STC600 | 18 |
| STC110, STC510, STC120 | 18 |
| Strap on temperature transmitters | 19 |
| STC300 | 19 |
| Outdoor temperature and solar sensors | 20 |
| STO100, 200, 500, 600 | 20 |
| SSO600 | 20 |
| Outdoor temperature transmitters | 20 |
| STO300 | 20 |

Humidity transmitters

| | |
|----------------------------------|-----------|
| Room humidity transmitter | 21 |
| SHR100 | 21 |
| Duct humidity sensor | 22 |
| SHD100 | 22 |
| Outdoor humidity sensor | 23 |
| SHO100 | 23 |

Pressure transmitters

| | |
|-----------|----|
| PD310/360 | 24 |
|-----------|----|

Pressure switches

| | |
|--------|----|
| SPD900 | 25 |
| SPP110 | 26 |

Air quality sensors

| | |
|-----------------------------------|-----------|
| CO₂ room sensor | 27 |
| SCR100 | 27 |
| CO₂ duct sensor | 28 |
| SCD100 | 29 |

Light transmitters

| | |
|-----------------------------------|-----------|
| Room light transmitters | 29 |
| SLR300, SLR310 | 29 |
| Outdoor light transmitters | 30 |
| SLO300, SLO310 | 30 |

Appendices

| | |
|----------------------------|----|
| Sensor accuracy tables | 31 |
| General part number format | 32 |

We offer a wide range of temperature sensors for room, duct, pipe and outdoor applications. The range has been designed for ease of installation, pleasing aesthetics, and full compatibility with all TAC systems

STR100, 200, 600 Series



The STR range of room temperature sensors comprises a series of wall modules optimised for public facilities such as office buildings, hotels, hospitals, schools and shopping malls. Their attractive appearance and well-designed interface make them suitable for any contemporary building. They are easy to operate and install. STR wall modules are mounted directly onto the wall or a back-box/J-box and the base plate is designed to be compatible with any global fixing method.

There are options for compatibility with Vista, I/NET and Satchwell Systems as shown in the following table. Continuum is not available in STR at the moment.

| | |
|-----------------|-----------------------------------|
| Output | NTC thermistor |
| Range | 0 to 50 °C, Max. 95% RH |
| Accuracy | See Appendix A: Tables A, B and F |

| Model | Order Code | Temp Sensor | Mode Indicator | RJ-10 Jack | Setpoint Offset | Bypass Button | Fan*Speed Control | System |
|------------------|------------|-------------|----------------|------------|-----------------|---------------|-------------------|-----------|
| STR100 | BA4600100 | 1.8k | | | | | | Vista |
| STR100-W (White) | BA4600110 | 1.8k | | | | | | Vista |
| STR101 | BA4600200 | 1.8k | ■ | ■ | | | | Vista |
| STR102 | BA4600300 | 1.8k | ■ | ■ | ■ | | | Vista |
| STR103 | BA4600700 | 1.8k | ■ | ■ | ■ | | | Vista |
| STR104 | BA4600400 | 1.8k | ■ | ■ | ■ | ■ | | Vista |
| STR106 | BA4600500 | 1.8k | ■ | ■ | ■ | ■ | ■ | Vista |
| STR106-B | BA4600800 | 1.8k | ■ | ■ | ■ | ■ | ■ | Vista |
| STR107 | BA4600600 | 1.8k | ■ | ■ | ■ | ■ | ■ | Vista |
| STR200 | BA4603000 | 10k | | | | | | I/NET |
| STR200-W | BA4603010 | 10k | | | | | | I/NET |
| STR202 | BA4603200 | 10k | ■ | | | | | I/NET |
| STR600D | BA4604000 | 30k | | | | | | Drayton |
| STR600 | BA4604100 | 5.02k | | | | | | Satchwell |
| STR601 | BA4604200 | 5.02k | ■ | | | | | Satchwell |
| STR602 | BA4604300 | 5.02k | | | ■ | | | Satchwell |
| STR609 | BA4604400 | 5.02k | ■ | | ■ | | ■ | Satchwell |
| STR610 | BA4604500 | 5.02k | ■ | | ■ | | ■ | Satchwell |
| STR611 | BA4604600 | 5.02k | | | ■ | | | Satchwell |
| STR612 | BA4604700 | 5.02k | | | ■ | | | Satchwell |
| STR613 | BA4604800 | 5.02k | ■ | | ■ | | | Satchwell |
| STR614 | BA4604900 | 5.02k | | | | | | Satchwell |



STR150

The STR150 is a wall module optimised for public facilities such as office buildings, hotels, hospitals, schools and shopping malls. Its attractive appearance and well-designed interface makes it suitable for any contemporary building. It is easy to operate and install. STR wall modules are mounted directly on the wall or onto a back-box/J-Box and the base plate is designed to be compatible with any global fixing method. The STR150 is equipped with an LCD for displaying information.

The STR150 is designed to be used together with:

- TAC Xenta 101-VF SW-version 1.2 or later
- TAC Xenta 102-ES SW-version 1.2 or later
- TAC Xenta 103-A SW-version 1.2 or later
- TAC Xenta 104-A SW-version 1.2 or later

| | |
|-------------------|---------------------|
| Range | 5 to 45 °C |
| Accuracy | ±0.5 °C at 15-30 °C |
| Resolution | 0.1 or 0.5 °C |
| Supply | from controller |

| Description | Order Code | Part Number | System |
|--------------------------------|------------|-------------|--------------|
| Room Temperature Sensor STR150 | BA460280 | STR150 | Vista, Xenta |



STR250

STR wall modules are optimised for public facilities such as office buildings, hotels, hospitals, schools and shopping malls.

Their attractive appearance and well designed interface make them suitable for any contemporary building. They are easy to operate and install. STR wall modules are designed to be mounted directly on the wall or onto a variety of back-boxes/J-Boxes. The plug-in concept makes wiring quick and easy.

The STR250 replaces the I/STAT LCD with regard to major functionality such as indoor and outdoor temperature indication, setpoint adjustment, bypass mode and fan speed commands. The STR250 can be used with the 7728, MRs, and Xenta 102-AX controllers. All local configuration is carried out using an M/STAT module.

| | |
|-------------------|--------------------------|
| Range | 5 to 45 °C |
| Accuracy | ±0.5 °C at 15 to 30 °C |
| Resolution | 0.1 or 0.5 °C selectable |
| Supply | from controller |

| Description | Order Code | Part Number | System |
|--------------------------------|------------|-------------|---------------------|
| Room Temperature Sensor STR250 | BA460330 | STR250 | Vista, Xenta, I/NET |



STR350/351

The STR350 and STR351 use LON communication to display and control the room temperature and fan speed. Optionally, one lighting group and/or one sunblind group can be controlled. The STR350/351 can also be used in TAC Vista Classic configurations, that is, without the need for a separate binding tool. Both models, STR350 and STR351, have an extra analogue (0-10Vdc) input that can be connected to a CO₂, relative humidity or occupancy sensor. The STR350 and STR351 are equipped with an LCD display (STR351 with backlight) that displays the different functions of the module. STR wall modules are mounted directly on the wall or onto a backbox.

| | |
|-------------------|----------------|
| Range | 5 to 45 °C |
| Accuracy | ±0.6 °C |
| Supply | 24 Vac |
| Resolution | 0.1 °C or 1 °C |

| Description | Order Code | Part Number | System |
|---|------------|-------------|--------|
| Room Temperature Sensor STR350 | BA4605000 | STR350 | Vista |
| Room Temperature Sensor with Backlight STR351 | BA4605100 | STR351 | Vista |



STD100, 200, 500

STD 100, 200 and 500 temperature sensors are intended for air duct mounting. The STD housing is equipped with a Ø 20mm cut-out for the cable, a 20mm conduit gland nut and a mounting flange.

Accuracy

See Appendix A: Tables A, B and C

| Description | Order Code | Part Number | Probe Length (mm) | System |
|------------------------------------|--------------|-------------|-------------------|-----------|
| Duct Temperature Sensor STD100-50 | BA5123002010 | STD100-50 | 50 | Vista |
| Duct Temperature Sensor STD100-100 | BA5123004010 | STD100-100 | 100 | Vista |
| Duct Temperature Sensor STD100-150 | BA5123006010 | STD100-150 | 150 | Vista |
| Duct Temperature Sensor STD100-200 | BA5123008010 | STD100-200 | 200 | Vista |
| Duct Temperature Sensor STD100-250 | BA5123010010 | STD100-250 | 250 | Vista |
| Duct Temperature Sensor STD100-300 | BA5123012010 | STD100-300 | 300 | Vista |
| Duct Temperature Sensor STD100-400 | BA5123014010 | STD100-400 | 400 | Vista |
| Duct Temperature Sensor STD200-50 | BA5123030010 | STD200-50 | 50 | I/Net |
| Duct Temperature Sensor STD200-100 | BA5123032010 | STD200-100 | 100 | I/Net |
| Duct Temperature Sensor STD200-150 | BA5123034010 | STD200-150 | 150 | I/Net |
| Duct Temperature Sensor STD200-200 | BA5123036010 | STD200-200 | 200 | I/Net |
| Duct Temperature Sensor STD200-250 | BA5123038010 | STD200-250 | 250 | I/Net |
| Duct Temperature Sensor STD200-300 | BA5123040010 | STD200-300 | 300 | I/Net |
| Duct Temperature Sensor STD200-400 | BA5123042010 | STD200-400 | 400 | I/Net |
| Duct Temperature Sensor STD500-150 | BA5123074010 | STD500-150 | 150 | Continuum |
| Duct Temperature Sensor STD500-250 | BA5123078010 | STD500-250 | 250 | Continuum |
| Duct Temperature Sensor STD500-400 | BA5123082010 | STD500-400 | 400 | Continuum |



STD660

The STD660 temperature sensor is intended for air duct mounting, and has a telescopic probe extendable from 100mm to 300mm. The STD660 housing is equipped with a Ø 20mm cut-out for the cable. A 20mm conduit gland nut and a mounting flange are supplied with the product.

| | |
|-----------------|-------------------------|
| Accuracy | See Appendix A: Table F |
|-----------------|-------------------------|

| Description | Order Code | Part Number | Probe Length (mm) | System |
|--------------------------------|--------------|-------------|-------------------|-----------|
| Duct Temperature Sensor STD660 | BA5126030000 | STD660 | 100 to 300 | Satchwell |

STD670

The STD670 temperature sensor is intended for air duct mounting. The STD670 has a 1.5m fly-lead.



| | |
|-----------------|-------------------------|
| Accuracy | See Appendix A: Table F |
|-----------------|-------------------------|

| Description | Order Code | Part Number | System |
|--------------------------------|--------------|-------------|-----------|
| Duct Temperature Sensor STD670 | BA5126040000 | STD670 | Satchwell |

STD150

The STD150 is intended for measuring air temperature in fan coil applications or exhaust ducts. The sensor, which is made of stainless steel, is delivered with a 2m (6.5 ft.) cable, PVC sheathed overall. Mounting details such as screw and clamp are included with the product.



| | |
|-----------------|-------------------------|
| Accuracy | See Appendix A: Table A |
|-----------------|-------------------------|

| Description | Order Code | Part Number | System |
|--------------------------------|--------------|-------------|--------|
| Duct Temperature Sensor STD150 | BA5123058000 | STD150 | Vista |

Duct Temperature Averaging Sensors & Duct Temperature Transmitters



STD190, 591

The STD190 and STD591 sensors are delivered as complete units, comprising a junction box and a cable on which four sensors are located at 1 metre (3.3 ft.) intervals. The distance from the first sensor to the junction box is 2 metres (6.6 ft.). The STD190/591 contains four thermistors and is a mean value temperature sensor. The sensor is used for temperature measurement in air ducts. It is intended for mounting on to a grid or on wires suspended across a duct.

| | |
|-----------------|-----------------------------|
| Accuracy | See Appendix A: Tables D, E |
|-----------------|-----------------------------|

| Description | Order Code | Part Number | System |
|--|--------------|-------------|-----------|
| Average Duct Temperature Sensor STD190 | BA5123060010 | STD190 | Vista |
| Duct Temperature Sensor STD591 | BA5123086010 | STD591 | Continuum |



STD550

The STD550 is intended for measuring air temperature in fan coil applications or exhaust ducts. The sensor element is an NTC 10k ohm for Continuum products. The sensor, which is made of stainless steel, is delivered with a 2m (6.5 ft.) cable PVC sheathed overall. Mounting details such as screw and clamp are included with the product on delivery.

| | |
|-----------------|-------------------------|
| Accuracy | See Appendix A: Table C |
|-----------------|-------------------------|

| Description | Order Code | Part Number | System |
|--------------------------------|--------------|-------------|-----------|
| Duct Temperature Sensor STD550 | BA5123084000 | STD550 | Continuum |



STD300

STD300 is an electronic temperature transmitter that converts the temperature measured into an electric current signal 4-20 mA. The transmitter is delivered as a complete unit, comprising a stainless steel immersion well, the sensing element and an amplifier, mounted in a housing. The transmitter is intended for immersion installation and is used for temperature measurement in air ducts. The transmitter shall be connected with a 2-wire cable, which serves both as power supply and for signal transmission.

| | |
|-----------------|----------------------------|
| Output | 2-Wire, 4-20 mA |
| Range | -50 to +50 °C; 0 to 100 °C |
| Accuracy | ±0.4 % of range |
| Supply | Min. 15Vdc, Max. 36Vdc |

| Description | Order Code | Part Number | Probe Length (mm) | System |
|---|------------|-------------------|-------------------|--------|
| Duct Temperature Sensor STD300-300 0/100 | BA9620141 | STD300-300 0/100 | 300 | All |
| Duct Temperature Sensor STD300-300 -50/50 | BA6920121 | STD300-300 -50/50 | 300 | All |



STD400

The STD400 is an electronic averaging transmitter that converts the average measured temperature into an electric current signal 4-20 mA. The transmitter is used for temperature measurement in air ducts.

The STD400-04 has an immersion length of 0.4m. Measurement is made at 5 points equally spread over the length. A copper tube protects the 5 measuring points. The tube can be bent to a minimum radius of 50 mm to allow the probe to be shaped across the duct.

For larger ducts use the STD400-30 or STD400-60 transmitters with immersion length of 3m or 6m. Measurements are taken over the entire sensor length. The transmitter is delivered as a complete unit, comprising a junction box with amplifier and sensors.

The transmitters should be connected with a 2-wire cable, which serves both as power supply and for signal transmission.

| | |
|-----------------|----------------------------|
| Output | 2-Wire, 4-20 mA |
| Range | -50 to +50 °C; 0 to 100 °C |
| Accuracy | ±0.4 % of range |
| Supply | Min. 15Vdc, Max. 36Vdc |

| Description | Order Code | Part Number | Probe Length (mm) | System |
|---|------------|------------------|-------------------|--------|
| Duct Temperature Sensor STD400-04 0/100 | BA6920681 | STD400-04 0/100 | 400 | All |
| Duct Temperature Sensor STD400-04 -50/50 | BA6920701 | STD400-04 -50/50 | 400 | All |
| Duct Temperature Sensor STD400-30 0/100 | BA6920721 | STD400-30 0/100 | 3000 | All |
| Duct Temperature Sensor STD400-30 -50/50 | BA6920741 | STD400-30 -50/50 | 3000 | All |
| Duct Temperature Sensor STD400-60 0/100 | BA6920761 | STD400-60 0/100 | 6000 | All |
| Duct Temperature Sensor STD400-60 -50/50 | BA6920781 | STD400-60 -50/50 | 6000 | All |

Duct Temperature Averaging Sensors & Duct Temperature Transmitters (continued)



STD410

The STD410 is an electronic averaging transmitter that converts the average measured temperature to one electronic signal 0-10 Vdc. The transmitter is used for temperature measurement in air ducts.

The STD410 transmitter has an immersion length of 400mm. Measurements are taken at 5 points equally spread over the length. A copper tube protects the 5 measuring points. The tube can be bent to a minimum radius of 50 mm to allow the probe to be shaped across the duct.

For larger ducts use the STD410-30 or STD410-60 transmitters with immersion length of 3m or 6m. Measurements are taken over the entire sensor length. The transmitter is delivered as a complete unit, comprising a junction box with amplifier and sensors.

The transmitters should be connected with a 3-wire cable, which serves both as power supply and for signal transmission.

| | |
|--------------------------|----------------------------|
| Output | 3-Wire, 0-10 V |
| Range | -50 to +50 °C; 0 to 100 °C |
| Available Lengths | 0.4m, 3m, 6m |
| Accuracy | ±0.4 % of range |
| Supply | 24 Vac ±10% or 15-36Vdc |

| Description | Order Code | Part Number | Probe Length (mm) | System |
|--|------------|------------------|-------------------|--------|
| Average Duct Temperature Sensor STD410-04 0/100 | BA6920841 | STD410-04 0/100 | 400 | All |
| Average Duct Temperature Sensor STD410-04 -50/50 | BA6920861 | STD410-04 -50/50 | 400 | All |
| Average Duct Temperature Sensor STD410-30 0/100 | BA6920881 | STD410-30 0/100 | 3000 | All |
| Average Duct Temperature Sensor STD410-30 -50/50 | BA6920901 | STD410-30 -50/50 | 3000 | All |
| Average Duct Temperature Sensor STD410-60 0/100 | BA6920921 | STD410-60 0/100 | 6000 | All |
| Average Duct Temperature Sensor STD410-60 -50/50 | BA6920941 | STD410-60 -50/50 | 6000 | All |



STX140

The STX140 is made of polythene tube Ø 10mm and is primarily intended for laying underfloor. Four thermistors are evenly spaced along the length of the tube. The sensor is delivered with a connection cable of two metres.

When laying underground, the thermistor cable should be placed in pipes with a minimum inside diameter of 12mm.

| | |
|-----------------|-------------------------|
| Accuracy | See Appendix A: Table D |
|-----------------|-------------------------|

| Description | Order Code | Part Number | System |
|----------------------------------|--------------|-------------|--------|
| Ground Temperature Sensor STX140 | BA5123310000 | STX140 | Vista |



STX120, 520

The sensor, which is made of stainless steel, is delivered with a 2m or 4m cable PVC sheathed overall. STX120 is intended for measuring water temperature in heating applications, mounted in a well/pocket.

| | |
|-----------------|-----------------------------|
| Accuracy | See Appendix A: Tables A, D |
|-----------------|-----------------------------|

| Description | Order Code | Part Number | System |
|---|--------------|-------------|-----------|
| Immersion Temperature Sensor STX120-200 | BA5123302000 | STX120-200 | Vista |
| Immersion Temperature Sensor STX120-400 | BA5123304000 | STX120-400 | Vista |
| Immersion Temperature Sensor STX520-200 | BA5123320000 | STX520-200 | Continuum |
| Immersion Temperature Sensor STX520-400 | BA5123322000 | STX520-400 | Continuum |



STX122

The STX122 is primarily intended for pipe mounting without a separate pocket in heating coils. The insert pipe is stainless steel. The sensor is delivered with a 2m connecting cable, and has a R1/4" (DN 8) male thread fixing. As standard the sensor is delivered with a separate R1/2" (DN 15) male thread reducing bush.

| | |
|-----------------|--------------------------|
| Accuracy | See Appendix A: Tables A |
|-----------------|--------------------------|

| Description | Order Code | Part Number | Probe Length (mm) | System |
|------------------------------------|--------------|-------------|-------------------|--------|
| Coil Temperature Sensor STX122-250 | BA5123306000 | STX122-250 | 250 | Vista |
| Coil Temperature Sensor STX122-400 | BA5123308000 | STX122-400 | 400 | Vista |

Immersion Temperature Sensors for Pockets



STP100, 200, 500, 600

These sensors are designed for immersion mounting in pipe systems with a separate pocket (well). The pocket is sealed, making it easy to replace the sensor if necessary. The STP housing is equipped with a 20mm cable fitting. A 20mm cable gland is supplied. The pocket must be ordered separately.

Accuracy | See Appendix A: Tables A, B, C

| Description | Order Code | Part Number | Probe Length (mm) | System |
|------------------------------------|--------------|-------------|-------------------|-----------|
| Pipe Temperature Sensor STP100-50 | BA5123102010 | STP100-50 | 50 | Vista |
| Pipe Temperature Sensor STP100-100 | BA5123104010 | STP100-100 | 100 | Vista |
| Pipe Temperature Sensor STP100-150 | BA5123106010 | STP100-150 | 150 | Vista |
| Pipe Temperature Sensor STP100-200 | BA5123108010 | STP100-200 | 200 | Vista |
| Pipe Temperature Sensor STP100-250 | BA5123110010 | STP100-250 | 250 | Vista |
| Pipe Temperature Sensor STP100-300 | BA5123112010 | STP100-300 | 300 | Vista |
| Pipe Temperature Sensor STP100-400 | BA5123114010 | STP100-400 | 400 | Vista |
| Pipe Temperature Sensor STP200-50 | BA5123130010 | STP200-50 | 50 | I/NET |
| Pipe Temperature Sensor STP200-100 | BA5123132010 | STP200-100 | 100 | I/NET |
| Pipe Temperature Sensor STP200-150 | BA5123134010 | STP200-150 | 150 | I/NET |
| Pipe Temperature Sensor STP200-200 | BA5123136010 | STP200-200 | 200 | I/NET |
| Pipe Temperature Sensor STP200-250 | BA5123138010 | STP200-250 | 250 | I/NET |
| Pipe Temperature Sensor STP200-300 | BA5123140010 | STP200-300 | 300 | I/NET |
| Pipe Temperature Sensor STP200-400 | BA5123142010 | STP200-400 | 400 | I/NET |
| Pipe Temperature Sensor STP500-50 | BA5123170010 | STP500-50 | 50 | Continuum |
| Pipe Temperature Sensor STP500-150 | BA5123174010 | STP500-150 | 150 | Continuum |
| Pipe Temperature Sensor STP500-200 | BA5123176010 | STP500-200 | 200 | Continuum |
| Pipe Temperature Sensor STP500-300 | BA5123180010 | STP500-300 | 300 | Continuum |
| Pipe Temperature Sensor STP600D | BA5126010000 | STP600D | 112 | Drayton |

STP660

The STP660 temperature sensor is intended for immersion mounting in pipe systems with a separate pocket (well), and has a telescopic probe extendable from 100mm to 300mm. This technology makes the product ideal for the HVAC service industry as the probe is adjustable for any size pocket. The tip is primed with heat conductive paste, ensuring that the time constant is optimised. The pocket is sealed, making it easy to replace the sensor if necessary. The STP housing is equipped with a 20mm cable fitting. A 20mm cable gland is supplied.

As there is a choice of both pocket material (brass or stainless steel) and size (120mm or 200mm) for this sensor, the pocket must be ordered separately. See the DWA range in the pocket / wells section of this catalogue.

| | |
|-----------------|-------------------------|
| Accuracy | See Appendix A: Table F |
|-----------------|-------------------------|

| Description | Order Code | Part Number | Probe Length (mm) | System |
|--------------------------------|--------------|-------------|-------------------|-----------|
| Pipe Temperature Sensor STP660 | BA5126080000 | STP660 | 100 to 300 | Satchwell |

STP120, 620

The STP620 and STP120 temperature sensors are intended for immersion mounting in pipe systems without requiring a pocket (well). This product is for use in fast time constant systems such as district heating applications. The STP housing is equipped with a 20mm cable fitting. A 20mm cable gland is supplied.

| | |
|-----------------|-----------------------------|
| Accuracy | See Appendix A: Tables A, F |
|-----------------|-----------------------------|

| Description | Order Code | Part Number | Probe Length (mm) | System |
|------------------------------------|--------------|-------------|-------------------|-----------|
| Pipe Temperature Sensor STP120-70 | BA5123158010 | STP120 -70 | 70 | Vista |
| Pipe Temperature Sensor STP120-120 | BA5123160010 | STP120 -120 | 120 | Vista |
| Pipe Temperature Sensor STP120-220 | BA5123162010 | STP120 -220 | 220 | Vista |
| Pipe Temperature Sensor STP620 | BA5126090000 | STP620 | 100 | Satchwell |

Immersion Temperature Transmitters for Pockets



STP300

The STP300 is an electronic immersion temperature transmitter that converts a measured temperature into an electronic current signal 4-20 mA. The STP300 is designed for immersion mounting in pipe systems with a separate pocket (well). The pocket is sealed, making it easy to replace the transmitter if necessary. For a new installation the pocket has to be ordered separately.

The transmitter is intended for measurement of high and low temperatures. The transmitter is connected with a 2-wire cable, which serves both as power supply and for signal transmission. The reading of the measured signal is done over an external load resistance.

| | |
|-----------------|--------------------------|
| Output | 2-Wire, 4-20 mA |
| Range | 0/100, 0/160, -50/+50 °C |
| Accuracy | ±0.4 % of range |
| Supply | Min. 15Vdc, Max. 36Vdc |

| Description | Order Code | Part Number | Probe Length (mm) |
|---|------------|-------------------|-------------------|
| Pipe Temperature Sensor STP300-100 0/100 | BA6920241 | STP300-100 0/100 | 100 |
| Pipe Temperature Sensor STP300-100 0/160 | BA6920261 | STP300-100 0/160 | 100 |
| Pipe Temperature Sensor STP300-100 -50/50 | BA6920221 | STP300-100 -50/50 | 100 |
| Pipe Temperature Sensor STP300-200 0/100 | BA6920301 | STP300-200 0/100 | 200 |
| Pipe Temperature Sensor STP300-200 0/160 | BA6920321 | STP300-200 0/160 | 200 |
| Pipe Temperature Sensor STP300-200 -50/50 | BA6920281 | STP300-200 -50/50 | 200 |
| Pipe Temperature Sensor STP300-300 0/100 | BA6920361 | STP300-300 0/100 | 300 |
| Pipe Temperature Sensor STP300-300 0/160 | BA6920381 | STP300-300 0/160 | 300 |
| Pipe Temperature Sensor STP300-300 -50/50 | BA6920341 | STP300-300 -50/50 | 300 |
| Pipe Temperature Sensor STP300-400 0/100 | BA6920421 | STP300-400 0/100 | 400 |
| Pipe Temperature Sensor STP300-400 0/160 | BA6920441 | STP300-400 0/160 | 400 |
| Pipe Temperature Sensor STP300-400 -50/50 | BA6920401 | STP300-400 -50/50 | 400 |

Pockets / Wells



The table below provides a list of pockets/wells suitable for use with most pipe sensors and transmitters. For Satchwell pipe sensors use DWA pockets.

Note: pockets/wells must be ordered separately.

| Description | Order Code | Part Number | Probe Length (mm) |
|----------------------------------|--------------|----------------------------------|-------------------|
| Pocket STP 50mm Brass | BA9121040000 | Pocket STP 50mm Brass | 50 |
| Pocket STP 50mm Stainless steel | BA9121050000 | Pocket STP 50mm Stainless steel | 50 |
| Pocket STP 100mm Brass | BA9121041000 | Pocket STP 100mm Brass | 100 |
| Pocket STP 100mm Stainless steel | BA9121051000 | Pocket STP 100mm Stainless steel | 100 |
| Pocket STP 150mm Brass | BA9121042000 | Pocket STP 150mm Brass | 150 |
| Pocket STP 150mm Stainless steel | BA9121052000 | Pocket STP 150mm Stainless steel | 150 |
| Pocket STP 200mm Brass | BA9121043000 | Pocket STP 200mm Brass | 200 |
| Pocket STP 200mm Stainless steel | BA9121053000 | Pocket STP 200mm Stainless steel | 200 |
| Pocket STP 250mm Brass | BA9121044000 | Pocket STP 250mm Brass | 250 |
| Pocket STP 250mm Stainless steel | BA9121054000 | Pocket STP 250mm Stainless steel | 250 |
| Pocket STP 300mm Brass | BA9121045000 | Pocket STP 300mm Brass | 300 |
| Pocket STP 300mm Stainless steel | BA9121055000 | Pocket STP 300mm Stainless steel | 300 |
| Pocket STP 400mm Brass | BA9121046000 | Pocket STP 400mm Brass | 400 |
| Pocket STP 400mm Stainless steel | BA9121056000 | Pocket STP 400mm Stainless steel | 400 |
| Satchwell Pocket DWA0001 | BA9121058000 | Pocket adaptor | N/A |
| Satchwell Pocket DWA0002 | BA9121060000 | Pocket STP120mm Stainless steel | 120 |
| Satchwell Pocket DWA0003 | BA9121062000 | Pocket STP 200mm Brass | 200 |
| Satchwell Pocket DWA0004 | BA9121064000 | Pocket STP 200mm Stainless steel | 200 |
| Satchwell Pocket DWA0005 | BA9121066000 | Pocket STP 120mm Brass | 120 |

Strap on Temperature Sensors



STC100, 200, 500, 600

STC strap on temperature sensors are designed for surface pipe mounting. The STC housing is equipped with a 20mm cable fitting.

| | |
|-----------------|-----------------------------------|
| Accuracy | See Appendix A: Tables A, B, C, F |
|-----------------|-----------------------------------|

| Description | Order Code | Part Number | System |
|------------------------------------|--------------|-------------|-----------|
| Contact Temperature Sensor STC100 | BA5123202010 | STC100 | Vista |
| Contact Temperature Sensor STC200 | BA5123206010 | STC200 | I/NET |
| Contact Temperature Sensor STC500 | BA5123218010 | STC500 | Continuum |
| Contact Temperature Sensor STC600 | BA5126070000 | STC600 | Satchwell |
| Contact Temperature Sensor STC600D | BA5126020000 | STC600D | Drayton |



STC110, 510

The STC110 and 510 temperature sensors are designed for mounting on pipe systems of max. Ø 100 mm. The temperature sensor is supplied with a connection cable of 2m or 4m.

| | |
|-----------------|-----------------------------|
| Accuracy | See Appendix A: Tables A, C |
|-----------------|-----------------------------|

| Description | Order Code | Part Number | System |
|---------------------------------------|--------------|-------------|-----------|
| Contact Temperature Sensor STC110-200 | BA5123210000 | STC110-200 | Vista |
| Contact Temperature Sensor STC110-400 | BA5123212000 | STC110-400 | Vista |
| Contact Temperature Sensor STC510-200 | BA5123220000 | STC510-200 | Continuum |



STC120

STC120 is a temperature sensor designed for mounting on a pipe system of heating coils Ø 10-15 mm. The sensor is supplied with a connection cable of 0.25m.

| | |
|-----------------|-------------------------|
| Accuracy | See Appendix A: Table A |
|-----------------|-------------------------|

| Description | Order Code | Part Number | System |
|-----------------------------------|--------------|-------------|--------|
| Contact Temperature Sensor STC120 | BA5123214000 | STC120 | Vista |



STC300

STC300 is an electronic pipe contact temperature transmitter that converts the temperature measured into an electronic current signal 4-20 mA. The transmitter is delivered as a complete unit, comprising a pipe clamp, the sensing element and an amplifier, mounted in a housing. The sensor and amplifier are encapsulated in separate units, to protect the electronics from excessive heat. A 2m cable connects the two units.

The transmitter element is intended for external mounting directly on pipes, (max diameter 100 mm) e.g. flow and return water pipes. The transmitter is connected with a 2-wire cable, which serves both as power supply and for signal transmission.

The reading of the measured signal is done over an external load resistance.

| | |
|-----------------|--------------------------|
| Output | 2-Wire, 4-20 mA |
| Range | 0/100, 0/160, -50/+50 °C |
| Accuracy | ±0.3 °C at 25 °C |
| Supply | Min. 15Vdc, Max.36Vdc |

| Description | Order Code | Part Number | System |
|--|------------|---------------|--------|
| Contact Temperature Sensor STC300 0/100 | BA6920041 | STC300 0/100 | All |
| Contact Temperature Sensor STC300 0/160 | BA6920061 | STC300 0/160 | All |
| Contact Temperature Sensor STC300 -50/50 | BA6920021 | STC300 -50/50 | All |

Outdoor Temperature Sensors and Transmitters



STO100,200,500,600, SSO600

These outdoor sensors are intended for outdoor wall mounting. Variants are available for Vista, I/NET, Continuum and Satchwell systems. The body has a 20mm conduit entry and the product is supplied with a conduit gland.

| | |
|----------|-------------------------------|
| Range | -40 to +90 °C |
| Accuracy | See Appendix A: Table A, C, F |

| Description | Order Code | Part Number | System |
|------------------------------------|--------------|-------------|-----------|
| Outdoor Temperature Sensor STO100 | BA5141100010 | STO100 | Vista |
| Outdoor Temperature Sensor STO500 | BA5141104010 | STO500 | Continuum |
| Outdoor Temperature Sensor STO600 | BA5126060000 | STO600 | Satchwell |
| Outdoor Temperature Sensor STO600D | BA5126000000 | STO600D | Drayton |
| Outdoor Solar Sensor SSO600 | BA5126050000 | SSO600 | Satchwell |



STO300

The STO300 transmitter is supplied as a complete unit, comprising a sensing element and an amplifier mounted in a housing which is resistant to ultraviolet light. The transmitter is intended for mounting on an outside wall, on the north side where possible. The transmitter is connected over a 2-wire cable, which serves both as power supply and signal transmission. The reading of the measured signal is made over an external load resistance.

| | |
|----------|------------------------|
| Output | 4-20mA |
| Range | -50 to +50 °C |
| Accuracy | ±0.4 % of range |
| Supply | Min. 15Vdc, Max. 36Vdc |

| Description | Order Code | Part Number | System |
|--|------------|---------------|--------|
| Outdoor Temperature Sensor STO300 -50/50 | BA6920501 | STO300 -50/50 | All |



SHR100

The SHR100 is an active sensor, which measures relative humidity (%RH) and converts the measurement into two selectable output signals: voltage 0-10 V or an electric current 4-20 mA.

The following options are available:

- SHR100-T includes selectable temperature sensors NTC 1.8 k Ω and NTC 10 k Ω for I/Net products.
- SHR100-T5 includes selectable temperature sensors NTC 1.8 k Ω and NTC 10 k Ω for Continuum products.
- SHR100-T6 includes selectable temperature sensors NTC 1.8 k Ω and NTC 5.02 k Ω for Satchwell products.

The transmitter consists of a sensor and amplifier, mounted together in a housing. The SHR100 is mounted directly onto the wall or a backbox / J-box.

| | |
|-----------------|----------------------------|
| Output | Selectable 4-20 mA, 0-10 V |
| Range | 0-95% RH |
| Accuracy | $\pm 2\%$ |
| Supply | 24 Vac / 15-36 Vdc Power |

| Description | Order Code | Part Number | System |
|---------------------------------------|------------|-------------|------------------|
| Room Humidity Sensor SHR100 | BA6902340 | SHR100 | All (%RH only) |
| Room Humidity + Temperature SHR100-T | BA6902350 | SHR100-T | I/NET, Vista |
| Room Humidity + Temperature SHR100-T5 | BA6902390 | SHR100-T5 | Continuum, Vista |
| Room Humidity + Temperature SHR100-T6 | BA6902420 | SHR100-T6 | Satchwell, Vista |



SHD100

The SHD100 is an active sensor, which measures relative humidity (%RH) and converts the measurement into an electric current 4-20 mA or a voltage level 0-10 V. SHD100 is intended for immersion installation and is used for relative humidity measurement in air ducts.

The transmitter is delivered as a complete unit, comprising an aluminium mounting flange with the sensing element, and an amplifier mounted in a separate housing.

The following options are available:

- SHD100-T includes selectable temperature sensors NTC 1.8 k Ω and NTC 10 k Ω for I/Net products.
- SHD100-T5 includes selectable temperature sensors NTC 1.8 k Ω and NTC 10 k Ω for Continuum products.
- SHD100-T6 includes selectable temperature sensors NTC 1.8 k Ω and NTC 5.02 k Ω for Satchwell products.

The sensor has negligible hysteresis and is insensitive to dust as well as a wide range of chemicals.

The housing accommodates a 20mm conduit. A conduit gland nut is supplied with the unit.

| | |
|-----------------|----------------------------|
| Output | Selectable 4-20 mA, 0-10 V |
| Range | 0-95% RH |
| Accuracy | $\pm 2\%$ |
| Supply | 24 Vac / 15-36Vdc |

| Description | Order Code | Part Number | System |
|--|------------|-------------|------------------|
| Duct Room Humidity Sensor SHD100 | BA6902321 | SHD100 | All |
| Duct Room Humidity + Temperature SHD100-T | BA6902331 | SHD100-T | I/NET, Vista |
| Duct Room Humidity + Temperature SHD101-T5 | BA6902381 | SHD101-T5 | Continuum, Vista |
| Duct Room Humidity + Temperature SHD101-T6 | BA6902411 | SHD101-T6 | Satchwell, Vista |



SHO100

The SHO100 is an active sensor, which measures relative humidity (%RH) and converts the measurement into an electric current 4-20 mA or a voltage level 0-10 V. It is intended for outdoor installation and for indoor areas where a more robust design is needed e.g. warehouse, swimming pool.

The following options are available:

■ SHO100-T includes selectable temperature sensors NTC 1.8 kΩ and NTC 10 kΩ for I/Net products.

■ SHO100-T5 includes selectable temperature sensors NTC 1.8 kΩ and NTC 10 kΩ for Continuum products.

The sensor has negligible hysteresis and it is insensitive to dust as well as a wide range of chemicals.

The housing accommodates a 20mm conduit, and a conduit gland nut is supplied.

The transmitter is delivered as a complete unit, comprising a protective filter for the protruding sensor element, and an amplifier mounted in the housing.

| | |
|-----------------|----------------------------|
| Output | Selectable 4-20 mA, 0-10 V |
| Range | 0-95% RH |
| Accuracy | ±2% |
| Supply | 24 Vac / 15-36 Vdc Power |

| Description | Order Code | Part Number | System |
|--|------------|-------------|------------------|
| Outdoor Humidity Sensor SHO100 | BA6902361 | SHO100 | All (%RH only) |
| Outdoor Humidity + Temperature SHO100-T | BA6902371 | SHO100-T | I/NET, Vista |
| Outdoor Humidity + Temperature SHO101-T5 | BA6902401 | SHO101-T5 | Continuum, Vista |



SPD310 / SPD360

SPD310 / SPD360 differential pressure transmitters are intended for use in air handling systems for the monitoring of air ducts, filters and fans. SPD310 / SPD360 are electronic differential pressure transmitters that convert the differential pressure measured into an electric 0-10 V signal. SPD360 has an LCD display, showing the differential pressure in Pa.

SPD310 / SPD360 are delivered with a 2 metre tube and two plastic duct connectors.

Medium: air and non-aggressive gases.

| | |
|---------------|--|
| Output | 0-10 V |
| Supply | 24 Vac |
| Ranges | 0-100 Pa, 0-300 Pa, 0-500 Pa, 0-1000 Pa, 0-1200 Pa, 0-2500 Pa, 0-5000 Pa |

| | |
|---|------------|
| Accuracy: | |
| Linear output | < 1% ±FS |
| 0-100 Pa | < 2% ±FS |
| Linearity inc. temperature and hysteresis | < 2.5% ±FS |
| 0-100 Pa | < 5% ±FS |
| Accuracy at ambient temp. of 25°C | < ±0.4%FS |

| Description | Order Code | Part Number |
|--|------------------|------------------------------|
| Differential Air Pressure Transmitters SPD310-100/300/500/1000Pa | BA4700320 | SPD310-100/300/500/1000Pa |
| Differential Air Pressure Transmitters SPD310-1000/1200/2500/5000Pa | BA4700340 | SPD310-1000/1200/2500/5000Pa |
| Differential Air Pressure Transmitters SPD310-300/500/1000/2500Pa | BA4700360 | SPD310-300/500/1000/2500Pa |

Note that both SPD310 items have a 0 to 1000Pa range. If it is known that this range is required, then it is recommended to use BA4700320. This may provide slightly improved accuracy.



SPD900

The SPD differential pressure switch is intended for use in air handling systems for the monitoring of air ducts, filters and fans. A control knob with a clear scale makes it easy to adjust the setpoint. SPD900 is delivered with a 2m tube and 2 plastic duct connectors.

Medium: air and non-aggressive gases

| | |
|-------------------------------|------------------------------|
| SPD 900-200 | |
| Range | 20-200 Pa |
| Maximum voltage rating | 250Vac |
| Contacts | Gold |
| Current rating | 0.1A resistive, 1A inductive |

| | |
|-------------------------------|----------------------------|
| SPD900-600 | |
| Range | 40-600 Pa |
| Maximum voltage rating | 250Vac |
| Contacts | Silver |
| Current rating | 3A resistive, 2A inductive |

| Description | Order Code | Part Number |
|---|------------|--------------|
| Differential Air Pressure sensor SPD900-200Pa | BA4701020 | SPD900-200Pa |
| Differential Air Pressure sensor SPD900-600Pa | BA4701040 | SPD900-600Pa |

Pressure Transmitters (continued)



SPP110

SPP110 pressure transmitters are intended for use in HVAC pipe systems to monitor pressure. The SPP110 is an electronic pressure transmitter that converts the measured pressure into an electric 0-10 V signal. The SPP110 is delivered with 2m (6.6 ft) cable and a G1/2 adapter nut.

Medium: any medium suitable for stainless steel.

| | |
|---------------|--|
| Output | 0-10 V |
| Range | 0-100 kPa, 0-250 kPa, 0-600 kPa, 0-1000 kPa, 0-1600 kPa, 0-2500 kPa, 0-4000 kPa ranges |

| | |
|--|-------------------|
| Accuracy: | |
| Total of linearity, hysteresis and repeatability | ±0.5 % FS |
| Zero point residual voltage | < 50 mV |
| Supply | 24 Vac / 15-36Vdc |

| Description | Order Code | Part Number |
|---|------------|----------------|
| Wet Media Pressure Transmitter SPP110-100kPa | BA4702020 | SPP110-100kPa |
| Wet Media Pressure Transmitter SPP110-250kPa | BA4702040 | SPP110-250kPa |
| Wet Media Pressure Transmitter SPP110-600kPa | BA4702060 | SPP110-600kPa |
| Wet Media Pressure Transmitter SPP110-1000kPa | BA4702080 | SPP110-1000kPa |
| Wet Media Pressure Transmitter SPP110-1600kPa | BA4702100 | SPP110-1600kPa |
| Wet Media Pressure Transmitter SPP110-2500kPa | BA4702120 | SPP110-2500kPa |
| Wet Media Pressure Transmitter SPP110-4000kPa | BA4702140 | SPP110-4000kPa |



SCR100

The SCR100 is an infrared and maintenance-free carbon dioxide transmitter for indoor wall mounted installations.

SCR100 measures the carbon dioxide concentration in the ambient air, up to 2,000 ppm, and transforms the data into a 0-10V or 0-5V output signal.

SCR100 is also equipped with passive temperature elements including:

- 1.8 kΩ for TAC Vista® products
- 10 kΩ for I/NET® products
- 10 kΩ for Continuum® products.

The SCR100 helps you save money by decreasing the energy consumption, while creating a healthier indoor climate.

| | |
|-----------------|---|
| Output | 0-10 V / 0-5V |
| Range | 0-2000 ppm |
| Accuracy | ±1% of measurement range, ±5 % of measured value |
| Supply | 24 Vac |

| Description | Order Code | Part Number | System |
|---------------------------|------------|-------------|-------------------------|
| Room Sensor CO2 SCR100 | BA4630000 | SCR100 | Vista, I/Net, Continuum |



SCD100

The SCD100 is an infrared and maintenance-free carbon dioxide transmitter for installation in ventilation ducts. The SCD100 measures the carbon dioxide concentration in the ambient air up to 2,000 ppm and transforms the data into a 0-10V output signal. The SCD100 is also equipped with passive temperature elements for:

- TAC Vista® products, NTC 1.8 kΩ
- I/NET® products, NTC 10 kΩ
- Continuum® products, NTC 10 kΩ

The SCD100-D has an LCD display, showing CO₂ in ppm.

The SCD100 helps you save money by decreasing your energy consumption while creating a healthier indoor climate.

| | |
|-----------------|--|
| Output | 0-10 V / 0-5V selectable |
| Range | 0-2000 ppm |
| Accuracy | ±1% of measurement range, ±5 % of measured value |
| Supply | 24 Vac |

| Description | Order Code | Part Number | System |
|---|------------|-------------|-------------------------|
| Duct Sensor CO ₂ SCD100 | BA4630100 | SCD100 | Vista, I/Net, Continuum |
| Duct Sensor CO ₂ SCD100-D | BA4630110 | SCD100-D | Vista, I/NET, Continuum |



SLR300, SLR310

SLR300/310 electronic light transmitters convert a lux measurement into a 0-10 Vdc output signal or an electric current signal 4-20 mA. They have two sensitivity ranges to suit different light levels:

- 0-400 lux (e.g. for controlling outdoor lighting)
- 0-20k lux (for controlling sunshade systems).

The transmitter is delivered as a complete unit, comprising the sensing element, and an amplifier mounted in a housing. The transmitter is intended for wall mounting indoors. The sensitivity peak is for light at an angle of incidence of 0° to the perpendicular. The sensor has the same spectrum sensitivity peak as the human eye.

The SLR300 converts a lux measurement into a current signal 4-20mA.

The SLR310 converts a lux measurement into an electric signal 0-10 V.

| | SLR300 | SLR310 |
|-----------------|---------------------------------|---------------------------------|
| Output | 2-Wire, 4-20 mA | 0-10Vdc |
| Range | 0-400 lux, 0-20k lux selectable | 0-400 lux, 0-20k lux selectable |
| Accuracy | ±5% | ±5% |
| Supply | Min. 15Vdc, Max. 36Vdc | 24Vac, 15-36 Vdc |

| Description | Order Code | Part Number |
|--------------------------|------------|-------------|
| Room Light Sensor SLR300 | BA6920560 | SLR300 |
| Room Light Sensor SLR310 | BA6920600 | SLR310 |



SLO300, SLO310

SLO300/SLO310 electronic light transmitters convert a lux measurement into an electric current signal. They have two sensitivity ranges to suit different light levels:

- 0-400 (e.g. for controlling outdoor lighting)
- 0-20 (for controlling sunshade systems).

The transmitter is delivered as a complete unit, comprising the sensing element and an amplifier mounted in a housing. The transmitter is intended for wall mounting. The sensitivity peak is for light at an angle of incidence of 0° to the perpendicular. The sensor has the same spectrum sensitivity peak as the human eye.

The SLO300 is an electronic light transmitter that converts a lux measurement into a current signal 4-20mA.

The SLO310 converts a lux measurement into an electric signal 0-10 V.

| | SLO300 | SLO310 |
|-----------------|---------------------------------|---------------------------------|
| Output | 2-Wire, 4-20 mA | 0-10 Vdc |
| Range | 0-400 lux, 0-20k lux selectable | 0-400 lux, 0-20k lux selectable |
| Accuracy | ±5% | ±5% |
| Supply | Min. 15Vdc, Max. 36Vdc | Min. 15Vdc, Max. 36Vdc |

| Description | Order Code | Part Number |
|-----------------------------|------------|-------------|
| Outdoor Light Sensor SLO300 | BA6920581 | SLO300 |
| Outdoor Light Sensor SLO310 | BA6920621 | SLO310 |

Sensor Accuracy Tables

Table A

For all Vista (100 Series Sensors),
e.g. STD100

| At temperature | Accuracy |
|----------------|-----------------|
| -25 °C/-13 °F | ±0.7 °C/±1.3 °F |
| ±0 °C/32 °F | ±0.5 °C/±0.9 °F |
| 25 °C/77 °F | ±0.3 °C/±0.5 °F |
| 50 °C/122 °F | ±0.6 °C/±1.1 °F |
| 75 °C/167 °F | ±0.9 °C/±1.6 °F |
| 100 °C/212 °F | ±1.3 °C/±2.3 °F |

Table D

For all Vista Averaging Sensors (100 Series),
e.g. STD 190

| At temperature | Accuracy |
|----------------|-----------------|
| -25 °C/-13 °F | ±0.7 °C/±1.3 °F |
| ±0 °C/32 °F | ±0.5 °C/±0.9 °F |
| 25 °C/77 °F | ±0.3 °C/±0.5 °F |
| 50 °C/122 °F | ±0.6 °C/±1.1 °F |
| 75 °C/167 °F | ±0.9 °C/±1.6 °F |
| 100 °C/212 °F | ±1.3 °C/±2.3 °F |

Table B

For all I/NET (200 Series Sensors),
e.g. STD200

| At temperature | Accuracy |
|----------------|-----------------|
| -25 °C/-13 °F | ±0.5 °C/±0.9 °F |
| ±0 °C/32 °F | ±0.2 °C/±0.4 °F |
| 25 °C/77 °F | ±0.2 °C/±0.4 °F |
| 50 °C/122 °F | ±0.2 °C/±0.4 °F |
| 70 °C/158 °F | ±0.2 °C/±0.4 °F |
| 100 °C/212 °F | ±0.5 °C/±0.9 °F |

Table E

For all Continuum Averaging Sensors (500 Series),
e.g. STD 5900

| At temperature | Accuracy |
|----------------|-----------------|
| -25 °C/-13 °F | ±0.5 °C/±0.9 °F |
| ±0 °C/32 °F | ±0.2 °C/±0.4 °F |
| 25 °C/77 °F | ±0.2 °C/±0.4 °F |
| 50 °C/122 °F | ±0.2 °C/±0.4 °F |
| 70 °C/158 °F | ±0.2 °C/±0.4 °F |
| 100 °C/212 °F | ±0.5 °C/±0.9 °F |

Table C

For all Continuum (500 Series Sensors),
e.g. STD500

| At temperature | Accuracy |
|----------------|-----------------|
| -25 °C/-13 °F | ±0.5 °C/±0.9 °F |
| ±0 °C/32 °F | ±0.2 °C/±0.4 °F |
| 25 °C/77 °F | ±0.2 °C/±0.4 °F |
| 50 °C/122 °F | ±0.2 °C/±0.4 °F |
| 70 °C/158 °F | ±0.2 °C/±0.4 °F |
| 100 °C/212 °F | ±0.5 °C/±0.9 °F |

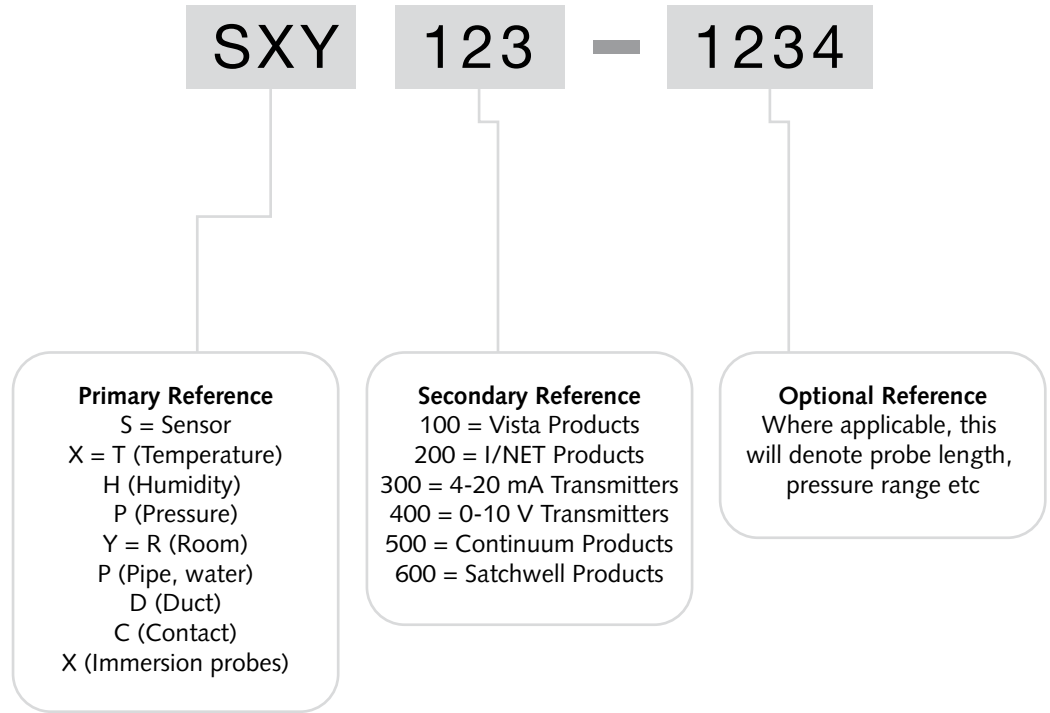
Table F

For all Satchwell Sensors (600 Series),
e.g. STR600

| At temperature | Accuracy |
|----------------|-----------------|
| -25 °C/-13 °F | ±0.6 °C/±1.0 °F |
| ±0 °C/32 °F | ±0.3 °C/±0.5 °F |
| 25 °C/77 °F | ±0.2 °C/±0.4 °F |
| 50 °C/122 °F | ±0.2 °C/±0.4 °F |
| 75 °C/167 °F | ±0.3 °C/±0.5 °F |
| 100 °C/212 °F | ±0.3 °C/±0.5 °F |

General Part Number Format

The following diagram explains the general construction of the Sensor Part Numbering methodology. There are some rare instances where this rule is broken, but in most cases, this serves as a good guideline. These are not the order codes used for ordering sensors.





Make the most of your energy

Beschikbare catalogi:

- > Andover Continuum
- > Electronic Access Control
- > HVAC Sensoren
- > Kleppen en Servomotoren
- > Satchwell Sigma en Micronet
- > TAC Vista & I/NET

Schneider Electric B.V. Building Automation

Nederland:
Postbus 836
2003 RV Haarlem
Diakenhuisweg 29-35
2033 AP Haarlem
Tel.: 023 - 5 124 124
Fax: 023 - 5 124 100
E-mail: building-automation@nl.schneider-electric.com
www.schneider-electric.nl

Schneider Electric sa/nv Building Automation

België:
Dieweg 3
1180 Brussel
Tel.: +32 - (0)2/ 373 77 11
Fax: +32 - (0)2/ 373 40 36
E-mail: building_automation_sud@be.schneider-electric.com

Jagersdreef 1a
2900 Schoten
Tel. : +32 - (0)3/ 636 24 10
Fax : +32 - (0)3/ 636 32 10
E-mail: building_automation_noord@be.schneider-electric.com
www.schneider-electric.be

Standaarden, specificaties en ontwerpen kunnen van tijd tot tijd wijzigen. Daarom raden wij u aan om altijd een bevestiging te vragen van de informatie in dit document. TAC, Andover, Pelco en Satchwell zijn geregistreerde merken van Schneider Electric.