



Pressure Transmitters

SPD310/SPD360

Air Differential



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 Vdc signal. SPD360 has an LCD display, showing the differential pressure in Pa.

SPD310/SPD360 are delivered with a 2 m (6.56 ft.) tube and two plastic duct connectors.

Specifications

Output	3-wire, 0 ... 10 Vdc
Ranges (Pa)	0 ... 100, 0 ... 300, 0 ... 500, 0 ... 1000, 0 ... 1200, 0 ... 2500, 0 ... 5000
Accuracy	
Linear output 0 ... 100 Pa $\leq 2\% \pm FS$	$\leq \pm 1\% FS$
Linearity inc. temperature and hysteresis 0 ... 100 Pa $\leq 5\% \pm FS$	$\leq \pm 2.5\% FS$
Accuracy at ambient temp. of 25 °C Supply 24 Vac/15 ... 36 Vdc	$\leq \pm 0.4\% FS$

Part number	Model number	Description
004700320	SPD310-100	Differential Air Pressure Transmitter 0 ... 100/300/500/1000 Pa
004700340	SPD310-1000	Differential Air Pressure Transmitter 0 ... 1000/1200/2500/5000 Pa
004700360	SPD360-300	Differential Air Pressure Transmitter 0 ... 300/500/1000/2500 Pa

SPP110

Pressure Transmitter



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 Vdc signal. The SPP110 is delivered with 2 m (6.56 ft) cable and a G1/2 in. adapter nut.

Medium: any medium suitable for stainless steel.

Specifications

Output	3-wire, 0 ... 10 Vdc
Ranges (kPa)	0 ... 100, 0 ... 250, 0 ... 600, 0 ... 1000, 0 ... 1600, 0 ... 2500, 0 ... 4000
Accuracy	
Total of linearity, hysteresis and repeatability	±0.5% FS
Zero point residual voltage	< 50 mV
Supply	24 Vac/15 ... 36 Vdc

Part number	Model number	Description
004702020	SPP110-100kPa	Wet Media Pressure Transmitter 0 ... 100 kPa
004702040	SPP110-250kPa	Wet Media Pressure Transmitter 0 ... 250 kPa
004702060	SPP110-600kPa	Wet Media Pressure Transmitter 0 ... 600 kPa
004702080	SPP110-1000kPa	Wet Media Pressure Transmitter 0 ... 1100 kPa
004702100	SPP110-1600kPa	Wet Media Pressure Transmitter 0 ... 1600 kPa
004702120	SPP110-2500kPa	Wet Media Pressure Transmitter 0 ... 2500 kPa
004702140	SPP110-4000kPa	Wet Media Pressure Transmitter 0 ... 4000 kPa

SPW100

Differential Wet Pressure Transmitter



SPW100

SPW differential wet pressure sensors utilise well proven ceramic technology. They have a low sensitivity to change in temperature and a high resistance to extreme temperatures.

Supplied with female plug type connector and rubber seal to provide IP65 protection when fitted and screwed.

Available both without display (models SPW1xx) and with display (models SPW1xx-D).

Specifications

Output	3-wire, 0 ... 10 Vdc
Ranges (bar)	0 ... 0.5, 0 ... 1.0, 0 ... 1.6, 0 ... 2.5, 0 ... 4.0, 0 ... 6.0, 0 ... 10 or 0 ... 16.0.
Total of linearity, hysteresis and repeatability	Max. $\pm 1.25\%$ FS
Medium	Liquids and neutral gases
Supply	24 Vac ($\pm 15\%$)/18 ... 33 Vdc
Mounting	Metal bracket and screws provided.

Part number	Model number	Description
6552047000	SPW100	Differential Pressure Transmitter 0 ... 0.5 bar
6552059000	SPW100-D	Differential Pressure Transmitter 0 ... 0.5 bar with Display
6552048000	SPW102	Differential Pressure Transmitter 0 ... 1 bar
6552060000	SPW102-D	Differential Pressure Transmitter 0 ... 1 bar with Display
6552049000	SPW104	Differential Pressure Transmitter 0 ... 1.6 bar
6552061000	SPW104-D	Differential Pressure Transmitter 0 ... 1.6 bar with Display
6552050000	SPW106	Differential Pressure Transmitter 0 ... 2.5 bar
6552062000	SPW106-D	Differential Pressure Transmitter 0 ... 2.5 bar with Display
6552051000	SPW108	Differential Pressure Transmitter 0 ... 4 bar
6552063000	SPW108-D	Differential Pressure Transmitter 0 ... 4 bar with Display
6552052000	SPW110	Differential Pressure Transmitter 0 ... 6 bar
6552064000	SPW110-D	Differential Pressure Transmitter 0 ... 6 bar with Display
6552053000	SPW112	Differential Pressure Transmitter 0 ... 10 bar
6552065000	SPW112-D	Differential Pressure Transmitter 0 ... 10 bar with Display
6552054000	SPW114	Differential Pressure Transmitter 0 ... 16 bar

SPP920

Differential Pressure Switches



SPP920

SPP920 differential pressure switches are suitable for use with neutral and slightly aggressive liquids and gases.

Rugged construction with a high overpressure safety margin at both pressure connections of 10 bar (mbar models) and 20 bar (bar models).

They provide switching over a pressure range of 6 mbar through to 5.5 bar and are suitable for flow monitoring in heating or cooling applications and level monitoring.

Specifications

Ranges	6 ... 20, 15 ... 60 or 40 ... 200 mbar, 0.15 ... 1, 1 ... 3 or 2 ... 5.5 bar
Nominal voltage	250 Vac
Nominal current	1 A (resistive), 0.5 A (inductive)
Contact material	AgCdO
Contact type	SPDT (changeover)
Service life	Mechanically 10 ⁶ switching cycles
Protection class	IP65
Electrical connection	Screw terminals
Cable gland	PG9

Part number	Model number	Description
004701100	SPP920-020	Differential Pressure Switch 6 ... 20 mbar
004701110	SPP920-060	Differential Pressure Switch 15 ... 60 mbar
004701120	SPP920-200	Differential Pressure Switch 40 ... 200 mbar
004701130	SPP920-1000	Differential Pressure Switch 0.15 ... 1 bar
004701140	SPP920-3000	Differential Pressure Switch 1 ... 3 bar
004701150	SPP920-5500	Differential Pressure Switch 2 ... 5.5 bar

Note that this is a Huba differential pressure switch Type 630. Class III product and technical support will be provided by Huba. Click link www.hubacontrol.com

SPP930

Relative Pressure Switches



SPP930

SPP930 relative pressure switches are suitable for the monitoring of both liquid and neutral gases in a variety of applications, including HVAC, manufacturing and process control.

Available in 2 models to cover a range from 120 ... 6000 mbar with high precision. The pressure diaphragm is made from EPDM material, with adjustable upper and lower switching points.

The pressure chamber itself is made of brass material with a single G $\frac{1}{4}$ thread pressure connection, making it suitable for installation in any orientation.

Specifications

Ranges (mbar)	120 ... 2200 or 1000 ... 6000
Nominal voltage	250 Vac
Nominal current	6 A (resistive), 3 A (inductive)
Contact material	AgCdO
Contact type	SPDT (changeover)
Service life	Mechanically 10 ⁶ switching cycles
Protection class	IP54
Electrical connection	Screw terminals
Cable gland	PG11

Part number	Model number	Description
004701160	SPP930-2200	Relative Pressure Switch 120 ... 2200 mbar
004701170	SPP930-6000	Relative Pressure Switch 1000 ... 6000 mbar

Note that this is a Huba relative pressure switch Type 625. Class III product and technical support will be provided by Huba. Click link www.hubacontrol.com

SPD910

Pressure Switches



SPD910

SPD910 is a relative and differential pressure switch suitable for use with air and neutral gases, for the monitoring of air ducts, filters and fans within ventilation systems.

Available in 4 models to cover a range from 20 ... 2000 Pa with high adjustment accuracy. Each model has an adjustable dial with clearly marked individual scale for easy adjustment of the switching set-point.

Supplied complete with 2 m (6.56 ft.) clear tubing plus 2 plastic pipe duct connectors and screws.

Specifications

Ranges (Pa)	20 ... 300, 50 ... 500, 100 ... 1000 or 500 ... 2000
Nominal voltage	250 Vac
Nominal current	5 A (resistive), 0.8 A (inductive)
Contact material	Multi-layer gold plated
Contact type	SPDT (changeover)
Service life	Mechanically > 10 ⁶ switching cycles>
Protection class	IP54
Electrical connection	Screw terminals
Cable gland	PG11

Part number	Model number	Description
004701060	SPD910-300Pa	Differential Air Pressure Switch 20 ... 300 Pa
004701070	SPD910-500Pa	Differential Air Pressure Switch 50 ... 500 Pa
004701080	SPD910-1000Pa	Differential Air Pressure Switch 100 ... 1000 Pa
004701090	SPD910-2000Pa	Differential Air Pressure Switch 500 ... 2000 Pa