

PRODUCT OVERVIEW

PRESSURE SWITCHES & TRANSDUCERS



Mechanical Pressure Switches

Pressure Switches with Integrated Connectors

- NO / NC / Changeover
- «Plug & Play» connectors for high efficiency
- Various customization options (plug, housing material, thread, coding)
- Protection class up to IP6K9K
- Switching point adjustable on site



Pressure Switches Hex 24

- NO / NC, max. 42 V
- Variable pressure ranges between 1.45 - 2,900 psi (0.1 - 200 bar)
- Overpressure safety up to 8,700 psi (600 bar)
- Cost-effective solution in many different variants
- Robust, compact design
- Set point adjustable on site



Pressure Switches Hex 27

- Proven pressure switches with changeover contacts up to 250 V
- Variable pressure ranges between 4.35-5,800 psi (0.3 - 400 bar)
- Adjustable hysteresis at factory
- High overpressure safety
- Long service life even under harsh operating conditions
- Switching point adjustable on site



Ready Wired Pressure Switches

Nearly all our hex 24 and hex 27 switches can be customized as ready wired switches to come with different cable lengths and connectors to suit your specific needs.



Protection class IP67 / IP6K9K

Pressure Switches PLUS with Integrated Connector and Supplementary Functions

Hex 24, NC or NO, voltage up to 42 V

- Resistor circuit according to NAMUR (fail-safe) for short circuit and cable break detection
- Overvoltage protection for prolonging the contact service life
- PTC thermistors with inrush current limitation when initial switching load is too high
- NTC Thermistors with temperature-controlled switching function, e.g. cold start or filter monitoring
- Protection class up to IP67 / IP6K9K



Vacuum Switch, A/F 30

- High precision at pressure ranges from 1.45 psi to 1,450 - 5,800 psi (0.1 - 1 bar to 100 - 400 bar)
- 0150 series available as changeover contacts up to 250 V
- 0151 series available as NC or NO up to 42 V



ATEX Pressure Switches - Hex 27, A/F 30

- Suitable for explosion protection zones:
0342 / 0343: Gases and vapors 1 + 2,
Dusts 21 + 22 and mining M2
0340 / 0341: Dusts 22
0165: Gases and vapors 1 + 2
- Certification according to ATEX directive 2014/34/EU and IECEx scheme



Pressure Transducers

OEM Compact Pressure Transducer, Series 0606

QUANTITY
DISCOUNTS
AVAILABLE!

- Up to six times overpressure safety
- Pressure Ranges: 0-580 to 0-8,700 psi (0-40 bar to 0-600 bar)
- Temperature range: -40°F to +284°F (-40°C to +140°C)
- Overpressure Protection: 3,623 to 11,603 psi (250 bar to 800 bar)
- Burst Pressure: 5,800 to 26,106 psi (400 bar to 1,800 bar)

Ideal for heavy-duty applications



Pressure Transducers with High Overpressure 0601/0602, Hex 24

- Measuring ranges from 0-29 psi to 3,625 psi (0 - 2 bar to 0 - 250 bar)
- 2x overpressure protection
- Ceramic sensor in thick film technology
- Small, compact transducers
- Stainless steel housing (1.4305)



CANbus Pressure Transducer, CAN J1939 0630 / 0631, Hex 22

- Measuring ranges from 0 - 14 psi to 0 - 8,700 psi (0 - 1 bar to 0 - 600 bar)
- Burst Pressure up to 15,230 psi (1,050 bar)
- Completely welded measuring cell made of 1.4542 stainless steel

CAN J1939

CANopen



Low Pressure Transducer 0645 / 0650 / 0660, Hex 22

- Measuring ranges from vacuum up to 1,450 psi (100 bar)
- Oil filled measuring cell with piezoresistive sensor
- Wetted parts in stainless steel 303 suitable for oxygen and hydrogen
- Ratiometric, current and voltage outputs



Low Pressure Transducer, Stainless Steel 0675 / 0680 / 0690, Hex 22

- Stainless steel housing 1.4404 / AISI 316L
- Maximum Rise Rate: ≤ 14.5 psi/ms (≤ 1.0 bar/ms)
- Especially for sea water, chemical and medical applications etc.
- Different sealing materials enable applications within a broad temperature range with diverse media



Pressure Transducer High-Performance 0705 / 0710 / 0720, Hex 22

- Pressure ranges up to 8,700 psi (600 bar)
- Outstanding accuracy due to SoS sensor technology
- 4x overpressure safety
- Excellent temperature and long term stability
- Ratiometric, current and voltage outputs



SUCO Transmitter Display (STD)

- Quick & easy plug-on display
- Pressure display in real time on site 4 – 20 mA current output, switching output option
- Loop powered - No additional voltage supply required
- Connection to DIN EN 175301-803-A (DIN 43650)



Pressure Transducers

High-Precision Pressure Transducer HI2000

- Accuracy ± 0.1 % of span BFSL
- Silicon-on-Sapphire Sensor Technology (SoS)
- Pressure ranges 0-7.5 psi to 0-20,000 psi (0-500 mbar to 0-1,500 bar)
- Wetted parts made of titanium
Zero-Off set and full scale (FS) adjustable by customer



High Pressure Transducer HP1000, HP1100

- Temperature range up to +257 °F (+125 °C)
- Silicon-on-Sapphire Sensor Technology (SoS)
- Pressure ranges up to 72,500 psi (0 - 5,000 bar)
- Output signals: 10 mV/V, 0 - 5 V, 0 - 10 V or 4 - 20 mA
- DNV-GL certification for marine applications



High Temperature Pressure Transducer HI2200, HI2300, PR3860

- Suitable for high temperature applications up to +482 °F (+250 °C)
- SoS Sensor Technology
- Pressure ranges from 0 - 21,750 psi (0 - 1,500 bar) possible
- Excellent long-term stability and accuracy ± 0.1 % of span BFSL



Differential Pressure Transducer PR3200

- PR3200 – Differential pressure from 7.25 - 3,000 psi (0 - 500 mbar to 0 - 200 bar) suitable for high line pressure
- Line pressure can be applied and measured from both sides
- PR3202 – Differential pressure from 0.07 - 14.5 psi (0 - 5 mbar to 0 - 1,000 mbar)



Downhole Pressure Transducer HI5000

- The sensor endures high shock and vibration in high-temperature, accuracy-critical applications.
- High temperature up to 392°F (200 °C)
- High pressures up to 29,000 psi (2,000 bar)
- Easy installation in challenging environments



Flush Diaphragm Pressure Sensor PR3850, PR3800

- Flush diaphragm available in stainless steel 316 or 316L
- Pressure ranges from 0-3 psi to 5,800 psi (0 - 200 mbar to 0 - 400 bar)
- Easy clean flush membrane to prevent clogging



USB Digital Pressure Transducer GD4200-USB

- Pressure ranges from vacuum up to 72,500 psi (5,000 bar)
- SoS Sensor Technology
- Sample rate up to 1,000 Hz
- Measure & record up to 16 pressure inputs together
- Accuracy (NLHR) ± 0.15 % of span BFSL



Low Pressure Transducer LP1000

- For very low pressure ranges with highest accuracy
- Piezoresistive silicon sensor
- Pressure ranges from 0.75 - 7.25 psi (0 - 50 mbar to 0 - 500 mbar)
- Zero-Off set and full scale (FS) adjustable by customer



Electronic Pressure Switches

Adjustable Electronic Pressure Switch

0510/0511, Performance Series, Hex 24

- Small & compact electronic pressure switches for pressure ranges from 0 - 29 psi to 0 - 3,625 psi (0 - 2 bar to 0 - 250 bar) with 2x overpressure protection
- Ceramic sensor in thick film technology
- Housing made of 1.4305 stainless steel, others on request
- Switching point adjustable by customer or at factory
- Hysteresis adjustable between 2 % – 98 %, set at factory
- Plasma cleaned "oil & grease free" and "PWIS-free" available on request



Pressure Switch Hex 27, 30 A/F

0520

- Precise electronic pressure switch for pressure ranges up to 3,625 psi (250 bar)
- Ceramic measuring cell
- Hysteresis adjustable between 2 % – 95 % set at factory
- Adjustable by user without programming requirements
- Very high switching currents (up to 1.4 A)



Menu-Controlled Pressure Switch

0570

- Electronic pressure switch with programming menu and display
- Ceramic measuring cell for pressure ranges up to 5,800 psi (400 bar)
- Two adjustable set points plus 4 – 20 mA analogue output
- Max pressure memory
- Code protected key pad lock etc.



High-Performance Electronic Pressure Switch

0530, 0531, 0532

- Pressure ranges up to 8,700 psi (600 bar) possible
- 4x overpressure safety
- Outstanding accuracy due to SoS technology
- One output, factory-set switching points
- Excellent temperature and long term stability



Electronic Pressure Switch, 2 NPN outputs

0540, 0541, 0542

- Pressure ranges up to 8,700 psi (600 bar) possible 4x overpressure safety
- Outstanding accuracy due to SoS technology
- Two output, factory-set switching points
- Excellent temperature and long term stability



SUCO Programming device PPD05

- Program the Upper and Lower Set Point
- Set a Delay Time (0...2s) between Set Points
- Quick and Easy, On-site of Field Programming



Accessories

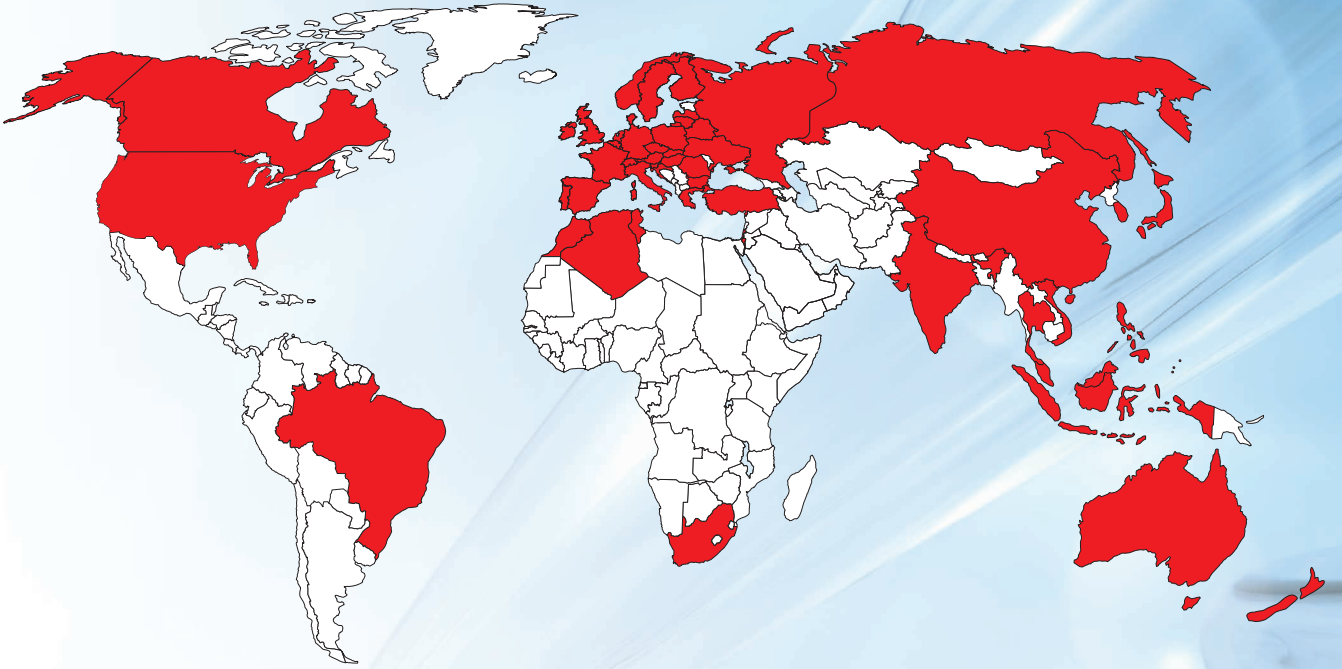
- Protective caps, socket devices and thread adapters
- Ready wired mating connectors
- Developed and aligned for your SUCO products



Pressure Monitoring Systems and Transmission Technology

Our complete product range and sales network can be found online or in our catalogs.

Contact us or go online now.



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