Industrial Product Line Card

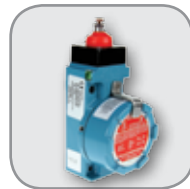**Honeywell**

MICRO SWITCH™ Limit Switches

HDLS Series Heavy-Duty Switches
- Industry-leading breadth-of-product offering: Standard, harsh-duty epoxy sealed, or stainless steel
- NEMA 1, 3, 4, 4X, 6, 6P, 12, 13 & IP65/66/67 sealing
- Enhanced mechanical life (50 million actuation cycles)
- Zinc head and body: phosphate treated & epoxy coated
- UL, CSA, CE, and CCC approvals for global use

GLS Series Global Switches
- Meet EN50041 & EN50047, and IEC electrical standards
- Direct-opening, normally closed contacts (except wobble actuators)
- Metal or plastic housings
- Dual bearing design on side rotary reduces side loading
- UL, CSA, CE, and CCC approvals for global use

Hazardous Location Switches
- Will withstand pressure of internal explosion
- Weather-proof, water-tight, and dust-tight
- Indoor and outdoor versions
- Smaller sizes, lower cost options, and analog outputs available
- UL, CSA, ATEX, IN METRO, and IEC Ex certified products

Safety Switches
- Positive opening operation of normally closed contacts
- Designed for global acceptance; various sizes, actuators, housings, and configurations
- Cable-pull, non-contact, key-operated, and limit switch options
- Global approvals vary per switch series

MICRO SWITCH™ Basic Switches

V15W Water-tight Miniature Switches
- Miniature-sized basic switch designed for harsh-duty washdown areas
- Rugged, highly accurate machine control for turning circuits on and off
- Compact, lightweight, and long-lasting
- UL, cUL, ENEC, CQC approvals

BZ Premium Large Switches
- Accepted as the world-wide standard snap-action switch
- Designed for 100K operations at full load or 10M for mechanical life
- Current ratings from 10 A to 25 A
- UL/CSA, CE, ENEC approvals

V7 Series Premium Switches
- Delivers long-term reliability with a wide variety of electrical currents
- Designed for 100K operations at full load or 10M for mechanical life
- Current ratings from 0.1 A to 26 A
- UL, cUL, ENEC, CQC approvals

Heavy Duty Pressure Sensors & Transducers

PX2 Series Heavy Duty Transducers
- Piezoresistive sensing technology with ASIC signal conditioning in a stainless steel housing
- Industry-leading TEB of ±2%
- Over 15,000 standard configurations
- Environmentally tough; withstands shock & vibration
- IP65 or IP69K, depending on connector

MLH Series All-Metal Transducers
- ASIC technology combined with a media isolated, metal diaphragm design
- All metal wetted parts with no internal elastomeric seals
- Six standard output options
- Input reverse voltage protection
- UL component recognition for USA/Canada

SPT Series Stainless Steel Transducers
- Designed for media that will not adversely attack 316L stainless steel
- 0 psi to 3 psi, 0 psi to 5000 psi
- NEMA 4 design in a rugged, stainless steel housing
- Absolute, gage, sealed gage, vacuum gage pressures
- Three standard output options

13mm/19mm Series Stainless Steel Sensors
- Rugged, isolated stainless steel package
- Small package size
- Reliable semiconductor technology
- Compensated and uncompensated options
- Absolute and gage pressures
- Vacuum compatible, isolated sensors available

Pressure Switches

HP, HE, LP, and LE Series
- Gauge pressure devices available with either SPST-NO, SPST-NC, or SPDT circuitry
- Life cycle rating up to two million
- Factory set or field adjustable options
- Hysteresis option (HP Series and LP Series only)
- Variety of pressure ports and electrical terminations
- IP67 sealing; UL508 pending, CE approvals

Limitless™ Wireless Solutions

Limitless™ Switches, Interfaces, and Receivers
- Combines the best of Honeywell's limit switches with the latest commercial state-of-the-art wireless technology
- Includes wireless limit switches, non-contact switches, single switch adapters, operator interface, & receivers
- In excess of 305 m [1000 ft] line-of-sight communication
- Global approvals and use vary per series

MICRO SWITCH™ Operator Controls

NT Series Commercial-Grade Switches
- Quality construction includes a seal between the toggle lever and bushing, and between the cover and case
- 1-, 2-, and 4-pole options
- 2- or 3-position maintained and momentary action
- NEMA 3, 3R, 4, 13 and IP67/68 environmental sealing
- UL recognized, CSA certified, and CE certified

Push-Pull Switches
- Sliding contact switch incorporating two circuits with multiple combinations
- Positive disconnect suitable for e-stop
- Momentary push version available
- Excellent vibration and shock resistance
- UL, CE certified

Hour Meters
- Feature accuracy to ±0.02 %
- Various mounting configurations and sealing options
- Excellent vibration and shock resistance
- LCD display
- ac meters have CE mark
- UL, CSA certified

SMART Position Sensors

SPS Series
- Enables highly accurate motion control and improves operation efficiency and safety
- Linear, arc, and rotary configurations
- Non-contacting technology provides enhanced life
- Self diagnostics to reduce equipment downtime
- IP67, IP69K for harsh applications; CE approvals

Potentiometers

380/RV4/485/53C/385 Industrial Series
- Retains position memory when power is off
- Stable over a range of operating temperatures, and provides high power dissipation
- Compact and rugged, thick-film devices
- Rotary, push-pull, and momentary options
- Certain listings carry MIL approvals

Thermal Solutions

Commercial Thermostats
- Half-inch, snap-action, bi-metallic, SPST non-hermetic
- Automatic and manual reset options
- Phenolic or ceramic housings
- Wide variety of mounting brackets and terminals
- Operating temp. range up to 260 °C [500 °F]
- UL, CSA, and other international agency approvals

Thermistors
- Can be used as both a temperature monitor and control
- Available in a wide range of resistance values
- Variety of packages and styles from leaded devices to surface-mount versions
- Tolerances as low as ±1 %
- Extremely stable over life

Packaged Temperature Probes
- Operate with enhanced sensitivity, reliability, and stability under diverse conditions of shock, vibration, & corrosion
- On-board signal conditioning circuitry available
- Allows for monitoring of harsh gaseous and liquid environments
- Wide selection of housings, resistances, & terminations

Board Mount Solutions

TruStability® Pressure Sensors
Basic Pressure Sensors
Digital Hall-effect Sensor ICs
Honeywell HumidIcon™ Humidity/Temperature Sensors
- Small, robust solutions well suited for board mounting
- Industry-leading long-term stability, reliability, accuracy, and flexibility (TruStability® HSC, SSC, NSC, TSC Series)
- Cost-effective solution (Basic NBP, TBP Series)
- Bipolar, latching, unipolar, and omnipolar; non-chopper stabilized design (Hall-effect Sensor ICs); nanopower (SM351LT, SM353LT Magnetoresistive Sensor ICs)
- Digital relative humidity (RH) and temperature sensors combined in the same package; accuracy up to ±1.7 %RH (HumidIcon™ HIH6000, 6100, 7000, 8000, 9000 Series)

Honeywell Zephyr™ Airflow Sensors, HAF Series
- Total Error Band as low as ±0.25 %FSS
- Standard flow ranges from ±50 SCCM to ±750 SCCM
- Full calibration and temperature compensation
- Customizable flow ranges; configurable
- Digital or analog interface

Find Out More

To learn more about Honeywell's industrial solutions, contact a Honeywell representative today at **1-800-537-6945** or visit **sensing.honeywell.com**

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