Overview

SENSING AND CONTROL

Sensor and Switch Solutions
Engineered Excellence

For innovation that's well apart, there's only Honeywell Sensing and Control (S&C).

With more than 50,000 products ranging from snap action, limit, toggle and pressure switches to position, speed, pressure, torque and airflow sensors, Honeywell S&C has a product to meet any industry’s requirements, any company’s needs.

But an impressive product line is only one part. We bring to bear engineering expertise and value-added capabilities no other company offers. While our switch and sensor solutions meet a wide array of basic and complex applications, our custom-engineered solutions offer enhanced precision, repeatability and ruggedness for each industry of our expertise:

Aerospace and Defense, Industrial, Medical, Test and Measurement, and Transportation

- Global service and sourcing
- Industry-leading engineers
- Value-added assemblies and solutions
- Construction to your needs

Honeywell S&C is the one-stop, full-service, globally-competitive answer. That’s why we’re unparalleled as the gold standard and unquestioned as your best value.
Aerospace and Defense

You can’t have a supplier flying blind. That’s why our half-century of expertise in aerospace, avionics and defense is indispensable.

Honeywell-patented technologies and engineered excellence delivers electromechanical systems — from discrete components to pilot interface and cockpit controls — with unmatched flexibility and value. We develop custom solutions and key switching and sensing products for the widest range of customers, including all major aircraft OEMs to foreign and U.S. government agencies. What’s more, our integrated supply chain and global footprint can optimize any order, whether it’s one piece or a full-system design.

We also provide turnkey software and electronic and system integration for the most complex requirements — resulting in components with smoother performance, flexible packaging and superior reliability.

Utilize Honeywell S&C industry relationships, and let our project engineers create custom-crafted aerospace and military-qualified technology for you. Whether you’ve known us as Bendix, Sperry, Elmwood, MICRO SWITCH™, Courter or AlliedSignal, you’ve known us as the unquestioned leader. Trust Honeywell, in the air and on the march.

Products:
- Environmentally sealed switches
- Operator interface
- Pilot controls
- Position sensors
- Pressure sensors and switches
- Torque and force sensors

Potential Applications:
- Armored ground vehicles
- Bomb and missile racks
- Doors and slides
- Flap selectors
- Flight surface feedback
- Gear and cargo
- Marine
- Ordnance
- Overhead and panel switches
- Repair and overhaul
- Thrust reversers

Our centrally located Boyne City facility provides full life-cycle support for every product or construction, including repair and overhaul services, technical publications, Aircraft On-Ground support and spare sales, plus sustained engineering and customer assistance.
Industrial

From the factory floor to the furthest distribution center, who keeps more global enterprises industrious? Only Honeywell.

Our breadth of components, standard interfaces and made-to-order engineering offers unmatched value down the line — powerful solutions for any industrial need. Enhanced accuracy, accountability and durability are built into every part or construction, improving output and endurance. Honeywell solutions are also flexible, tailored to exact specifications — for stronger performance, longer productivity and increased safety. And it all adds up to reduced expenditures and operational costs.

Whether working with OEM customers for customer-specific designs or delivering aftermarket support worldwide, Honeywell offers the perfect combination of muscle and mind.

Products:
- MICRO SWITCH™ hazardous area switches
- MICRO SWITCH™ limit switches
- MICRO SWITCH™ safety switches
- MICRO SWITCH™ snap-action switches
- Position sensors
- Potentiometers
- Pressure sensors

Potential Applications:
- Appliances
- Condition monitoring and feedback sensing
- Energy and power
- HVAC
- Manufacturing equipment
- Material handling

Honeywell MICRO SWITCH Corporation (the inventors of the original MICRO SWITCH™) became Honeywell Sensing and Control in 1999, reflecting a more robust product line. But after three-quarters of a century of service, the durability and efficiency of the Honeywell MICRO SWITCH is still astonishing by any standard — and Honeywell now manufactures 120 million switch-based products each year. Simple, superior, irreplaceable — the MICRO SWITCH cycles on. And on.
Medical

The line of products you need.
The lineup of solutions you demand.
For reliability down the line, Honeywell is the choice.

Whether it's ventilation solutions, diagnostics and dialysis equipment, portable infusion pumps, or even anesthesia and apnea monitors, an innovative solution from Honeywell S&C can provide longer product life and greater accuracy.

Honeywell offers the medical industry the strongest major medical and equipment connections, leading technology platforms, the smartest solutions and the savviest engineers ready to solve your problem with expert technical support — all on demand. For a healthy relationship, team with Honeywell S&C.

**Products:**
- Airflow sensors
- Flexible heaters
- Force sensors
- Hall-effect magnetic position sensors
- Hour meters
- Humidity sensors
- Infrared sensors
- MICRO SWITCH™ position switches
- MICRO SWITCH™ snap-action switches
- Pressure sensors
- Sealed switches
- Temperature sensors

**Potential Applications:**
- Dental equipment (dental imaging systems, dental chairs, pressure-operated dental instruments)
- Hospital diagnostics (gas chromatography, hematology analyzers, blood analyzers), patient monitoring systems (respiratory monitoring, blood pressure monitoring, blood glucose monitoring, temperature monitoring)
- Hospital hardware (medication dispensing cabinets, medical incubators, blood pressure monitoring, hospital beds)
- Kidney dialysis machines, pumps (infusion, insulin, syringe)
- Respiratory equipment (anesthesia delivery machines, oxygen concentrators, sleep apnea machines, ventilators)
- Surgical instruments

Honeywell's TruStability® silicon pressure sensors offer industry-leading long-term stability that helps prevent drift over time or from temperature and humidity extremes. They are temperature compensated and calibrated to provide an extremely tight accuracy specification. Their modular and flexible design offers a variety of package styles and options.

26PC Series silicon pressure sensors have the ability to work with water flow and contaminants with wet/wet compatibility and a flow path with minimal dead space. They minimize downtime in demanding operations and improve throughput with enhanced quality and reliability (<100 ppm).
Test and Measurement

Need sensors with enhanced reliability and accuracy in your lab? In your industrial application? For use in a harsh or hazardous environment?

Does your application involve a vacuum? Ten G or 3 million lb? More or less?

Whether it's electrical current, liquid or gas, pressure or differential pressure, load, torque, vibration, displacement, instrumentation, or wireless telemetry, Honeywell is your source for sensor solutions for load, pressure and force measurement applications.

We supply test and measurement sensor solutions to a diverse group of industries running a wide variety of applications, such as automotive, aerospace, oil and gas, and factory automation just to name a few. No matter if you need one unit, or several thousand, something off-the-shelf or fully customized to meet your individual application and environmental requirements, Honeywell can help you find a solution that offers high accuracy, reliability, and robustness with fast delivery to meet all of your test and measurement needs.

Products:
- Load cells
- Pressure
- Differential pressure
- Torque
- Accelerometers
- Displacement (LVDTs)
- Wireless telemetry
- Instrumentation

Potential Applications:
- Aerospace
- Transportation
- Oil and Gas
- Factory automation
- Medical
- Semiconductor manufacturing
- R&D/Test labs
- Power and turbines
- Propulsion monitoring
- Custom engineered solutions
Transportation

Honeywell is driven to transform the industry with every part and every composition we create.

Our transportation solutions are customized to exacting specifications, yet flexible to every need. Designed to withstand harsh environments, including the most competitive marketplace. From pressure sensors, custom controls, lighting meters and key switches to anything you need for backhoes, military ground equipment, tractors, snowmobiles, dump trucks or most any off-highway vehicle — including custom control solutions for ag construction and sport vehicles.

On or off highway, put your trust in a company with the drive and innovation to put it together better. A company always focused on a safer, more secure world.

Products:
- Custom controls
- Hour meters
- Pressure sensors
- Pressure switches
- Speed and position sensors
- Temperature sensors
- Torque sensors

Potential Applications:
- Engine performance monitoring and control
- On- and off-highway vehicle performance monitoring and control
- Operator controls
- Sport vehicle integrated controls
Warranty/Remedy
Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship. Honeywell's standard product warranty applies unless agreed to otherwise by Honeywell in writing; please refer to your order acknowledgement or consult your local sales office for specific warranty details. If warranted goods are returned to Honeywell during the period of coverage, Honeywell will repair or replace, at its option, without charge those items it finds defective. The foregoing is buyer's sole remedy and is in lieu of all other warranties, expressed or implied, including those of merchantability and fitness for a particular purpose. In no event shall Honeywell be liable for consequential, special, or indirect damages.

While we provide application assistance personally, through our literature and the Honeywell web site, it is up to the customer to determine the suitability of the product in the application.

Specifications may change without notice. The information we supply is believed to be accurate and reliable as of this printing. However, we assume no responsibility for its use.

Sensor and Switch Solutions:
- Airflow sensors
- Flexible heaters
- Force sensors
- Handlebar controls
- Hour meters/monitors
- Humidity sensors
- Key switches
- Magnetic sensors
- MICRO SWITCH™
  - Hazardous area switches
  - Limit switches
  - Pushbutton switches
  - Safety switches
  - Snap-action switches
  - Toggle switches
- Pressure sensors
- Pressure switches
- Proportional retarders
- Push-Pull switches
- Rotary switches
- Shifters
- SMART position sensors
- Speed/direction sensors
- Temperature sensors
- Thermostats
- Turn signals
- Vacuum switches

Sensor Solutions for Test and Measurement:
- Load
- Pressure
- Torque
- Wireless telemetry
- Accelerometers
- Displacement
- Instrumentation

Key Industries of Expertise:
- Aerospace and Defense
- Industrial
- Medical
- Test and Measurement
- Transportation

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info.sc@honeywell.com, or visit
www.honeywell.com/sensing


Customers know Honeywell by two simple words: “Problem solved.” Our corporate tradition of delivering quality and innovation is infused throughout Honeywell Sensing and Control, a global leader in cost-effective, problem-solving sensor and switch solutions.