
Telemecanique Sensors

A Trusted Specialist Providing
Reliable Sensing Solutions.



Simply easy!



Inductive

- One of the most comprehensive product lines on the market
- Standard cylindrical forms: M8, 12, 18, 30
- Standard rectangular and flat forms
- Top quality enclosures up to IP69K rating
- Available in standard and increased sensing range
- Constructed for durability in harsh environments
- New one-piece 303/316L stainless steel and WFI proximity sensors



Photoelectric

- Available in thru-beam, polarized retroreflective, proximity diffuse and diffuse w/background suppression
- Multi-mode sensors that can switch between modes
- Application specific sensors for transparent material detection, label sensing, color detection, color mark reading, distance measurement & much more.
- Cost-effective and easy to install Fork Sensors
- Vision sensor to assist quality control



Ultrasonic

- Industry leading technology
- Uses sound to detect objects control level, or provide analog output signal for continuous monitoring.
- Non-contact with materials in the sensing environment
- Immune to changing light conditions, colors, dust, splashing materials or liquids



Capacitive

- Detection of objects irrespective of material or conductivity
- Ideal for sensing non-metal objects for level control of fluids and granular material
- Sensitivity can be adjusted to detect bulk materials or a liquid level "through" another object.



Radio Frequency Identification (RFID)

- Enables object traceability, identification (tracking) and access controls
- Compatible with other manufacturer RFID components using 13.56 Mhz frequency components, including tags
- Automatic setting of speed, format, parity, & protocol communication parameters.
- Network connection boxes that support Modbus TCP/IP, Ethernet IP and Profibus-DP PLC



Encoders

- Incremental & Absolute products
- Configurable models easu to select with adjustable resolution & a 1 to 16 multiplication factor.
- Push-pull 5 to 30 V wide range output.
- Simplified installation using M23 connection and market standard compatible mountings.
- Mechanical flexibility using modular solid or hollow shafts up to 15 mm
- High performance, up to 25 bits & up to 8,000 pts per rev.
- CANopen and PROFIBUS-DP full compatibility



Limit Switches

- A leading supplier of top quality limit switches for over 90 years: Square D and Telemecanique brands
- Broad range of options and accessories
- Offering heavy duty, compact, miniature and application-specific limit switches



IEC Limit Switches

- Meet IEC standards and are accepted globally.
- Meet domestic and other international standards including NEMA, UL, CSA, VDE and more.
- Miniature, compact, and industrial switches for general, medium, and heavy-duty apps.
- Variety of operating heads, contact configurations, and lever arms. Versions for automated applications, safety, and environments with shock and vibration.



NEMA Limit Switches

- Our proven line of 9007C limit switches can withstand heavy-industry demands.
- Rugged and Dependable, our switches are built with unparalleled quality.
- Available in Standard Industrial Heavy Duty, Miniature potted, and Severe Duty Enclosures.
- With a broad range of options and accessories our NEMA line provides virtually unparalleled flexibility.



Fluid Control

- Wide variety of pressure and level switches and sensors give you the right choices to solve both your simple and complex fluid control applications with time proven performance and reliability
- The innovative, compact construction simplifies installation while providing a long service life.
- Rugged design provides solutions suitable for even demanding applications and environments



IEC Fluid Control

- Comprehensive range provides versatile solutions for a wide variety of fluid control applications.
- Conforms to IEC standards, and are globally recognized and accepted.
- User-friendly electronic transmitters and switches offer robust, accurate, reliable and cost effective pressure measurement
- Very compact designs provide easy installation & reduce mounting space



NEMA Fluid Control

- The trusted, reliable and rugged Square D brand
- Time-proven performance
- Square D™ brand pressure, vacuum, and float switches meet most domestic and international standards, including NEMA, UL, CSA, CE
- Simple installation and rugged design suitable for demanding applications and environments
- Broad range of options and accessories


Telemecanique Sensors solutions for enhanced machine safety



PACKAGING



Safety Limit Switches

- Protects personnel in guarding applications where contact with the guard is required.
- Featuring positive opening contact operation  and tamper resistant mounting
- Interrupt machine or control processes when the switch plunger or lever is deflected by the sliding action of the guard or other object.
- Available in miniature or compact with plastic or metal bodies.



Light Curtains

- Point of operation protection around industrial machinery or guarding of large areas without the need for gates or guards.
- Ideal for safeguarding larger areas without impeding visibility or easy access to the machine.
- XUSL4E and XUSL2E light curtains feature either 14 mm or 30 mm MOS with a slim design for spatially challenged locations.



MATERIAL HANDLING



METAL WORKING



Safety Interlock Switches

- Protects personnel by verifying that doors, gates and guards are closed before starting a process.
- Minimize accidents by removing the actuating key and sending a stop signal to the safety circuit when the guard or gate is open.
- Simple to install & configure, feature metal or plastic bodies and can be used with an assortment of actuating keys meeting domestic and international standards.



MATERIAL WORKING



AUTOMOTIVE



Non-contact Safety Interlock Switches

- For use when there is no contact desired between the switch and its actuating key.
- Tamper-resistant & suitable for all safety circuits, these interlocks tolerate misalignment of doors or guards without placing operating forces on gates or doors.
- Feature multiple mounting options for maximum flexibility.
- Small and sealed: ideal for confined spaces or washdown.



Cable Pull Switches

- Enables an emergency stop to be signaled at any point along a cable up to 165 ft.
- Simple to operate and install
- Provides emergency stop (where switch actuation locks the contacts in the open position & requires manual reset) or normal stop operation, for momentary, system stoppage.
- Meet ISO 13850 requirements (relating to emergency stop) and North American standards also.



Connectivity

- Pre-wired connectors: for easy connection of sensors with connectors to terminal blocks or PLC inputs
- Connectors: for connecting a cable of usable length to a sensor with connectors
- Jumper cables: for connecting sensors with connectors to splitter blocks
- Connector adaptors: transform a sensor with terminals into a sensor with connectors

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