Telemecanique Sensors

A Trusted Specialist Providing Reliable Sensing Solutions.

Simply easy!

Telemecanique
Sensors

Telemecanique Sensors & Square D Limit Switches & Fluid Control:

PACKAGING   MATERIAL HANDLING   METAL WORKING   MATERIAL WORKING   AUTOMOTIVE

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 retro reflective, 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
- Roller conveyor sensors for between-the-rollers detection

Ultrasonic

- Industry-leading technology uses sound waves for object detection, distance measurement, and level control and provides analogue output for continuous monitoring
- Non-contact detection of any material in spite of lighting conditions, colors, dusts, splashing materials and liquids
- Detects up to an 8 m distance with wide angle detection
- Available in multiple form factors and in top quality plastic, brass and stainless-steel enclosures to fit in even the most challenging environments
- Simple and intuitive software enables minimal programming effort for any application

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
- New wireless and batteryless Limit Switch now available!

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

SQUARE D™
by Schneider Electric

Providing solutions for the Industrial Marketplace for over 95 years.

FOOD & BEVERAGE   PUMPING   HVAC   ELEVATORS / ESCALATORS   CRANE & HOIST

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.
- Standard cylindrical forms: M12, 18, 30

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

Cloud-Connected Sensors

NEW!

- Enables real-time remote monitoring from anywhere you can receive a signal
- Data and alerts are sent to the internet cloud
- Information is received on the phones of all designated contacts
- Enables more efficient production and provides higher security
- Records event history
- Increases system reliability

Fluid Control

- Wide variety of pressure and float switches and sensors give you the right choices for both 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 the most 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
- Compact design provides easy installation & reduces 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
- Wide range of options and accessories

SQUARE D™
by Schneider Electric

Telemecanique Sensors solutions for enhanced machine safety

PACKAGING   **MATERIAL HANDLING**   **METAL WORKING**   **MATERIAL WORKING**   **AUTOMOTIVE**
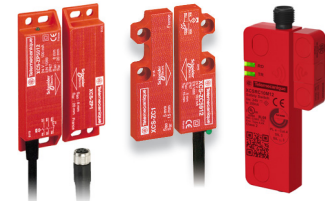
Safety Limit Switches

- 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

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

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
- Higher Safety rating of PLe Cat4 by using Safety RFID XCSR
- XCSR Daisy chain architecture with diagnostic module makes Safety system smarter

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 locations with limited space
- XUSL4M range with integrated muting arms which simplify product mounting and ensure more reliable muting function with pre-defined muting distance

Cable Pull Switches

- Enables an emergency stop to be signaled at any point along cables extending up to 650 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

For our complete selection of sensor solutions, visit www.tesensors.com

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