Telemecanique Sensors
A Trusted Specialist Providing Reliable Sensing Solutions.

Simply easy!
Radio Frequency

NEW!

IEC Limit Switches

and accessories

• A leading supplier of top quality proximity sensors stainless steel and WFI

• New one-piece 303/316L in harsh environments

• Constructed for durability

• Available in standard and to IP69K rating

• Top quality enclosures up flat forms

• Standard rectangular and M8, 12, 18, 30

• Standard cylindrical forms: product lines on the market

• One of the most comprehensive brands

Square D and Telemecanique

Limit Switches

• 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

Inductive

• 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

Photoelectric

• 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

Ultrasonic

• 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.

• Non-contact with materials

• Sensitivity can be adjusted

• Detection of objects irrespective of material or conductivity

Capacitive

• 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

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 Profinet-DP PLC

Encoders

• Incremental & Absolute products

• Configurable models easy 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

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

• 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, reliable and cost effective pressure measurement

• Very compact designs provide easy installation & reduce mounting space

I EC 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

NEMA Fluid Control
Telemecanique Sensors solutions for enhanced machine safety

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.

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.

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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