Sensor Solutions for Railway Applications

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Railway-ready sensors

The line of sensor products that make up the Telemecanique Sensors Railway Industry offer specifically address the necessary standards, constraints, and detection goals of railroad systems all over the world.

Increased safety according to the industry's standards

The Telemecanique Sensors products for the railway industry meet the most stringent standards in regard to reaction and resistance to fire:

- Compliant with the new fire behavior of the materials and components regulations
- Compliant with the HL2/R26 severity level of the EN 45545 standard
- Integrated with cables that are certified EN 50306 and EN 50264

Unparalleled, robust sensor functionality

Consistent with the reputation built by Telemecanique Sensors, the products they offer for the railway industry are benchmarks in regard to their performance, reliability, and efficiency.

This line of railway industry sensors will:

- Resist shocks and vibrations according to the EN 61373 standard
- Resist a wide temperature range from -13°F to 158°F (-25°C to 70°C)
- Endure up to several million mechanical and electrical operations

Compact and easy-to-install solutions

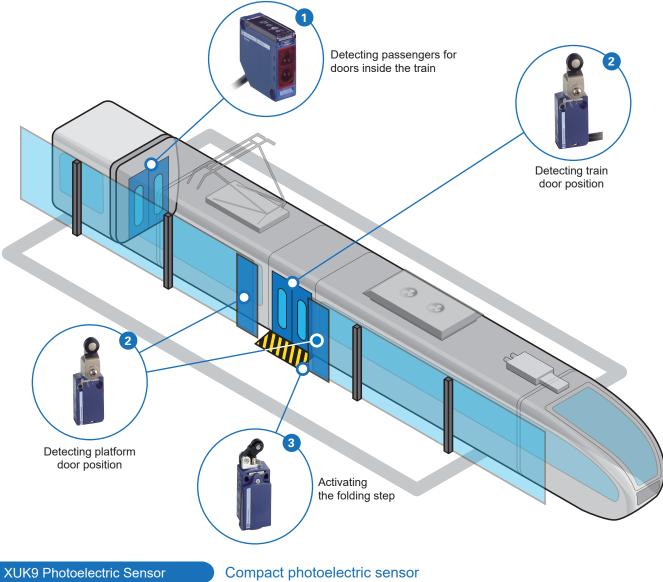
Space is at a premium in the railway industry, both on the trains themselves and in the stations that service them. The Telemecanique Sensors product offering reflects our innovative focus not only in regard to making our products compact and lighter to fit the majority of railway application designs, but in regard to making our sensors adaptable by offering a wide range of connectors.

Take them out of the box. Quickly install them. Simply easy!









- XCMD or XCMN Limit Switch 2
- XCKD Limit Switch 3

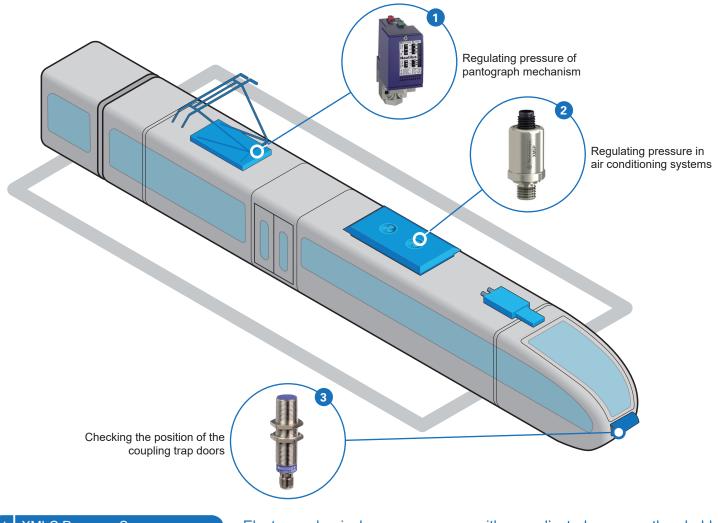
Miniature limit switch

Universal limit switch with roller lever plunger





Pantograph, air conditioning and coupling systems



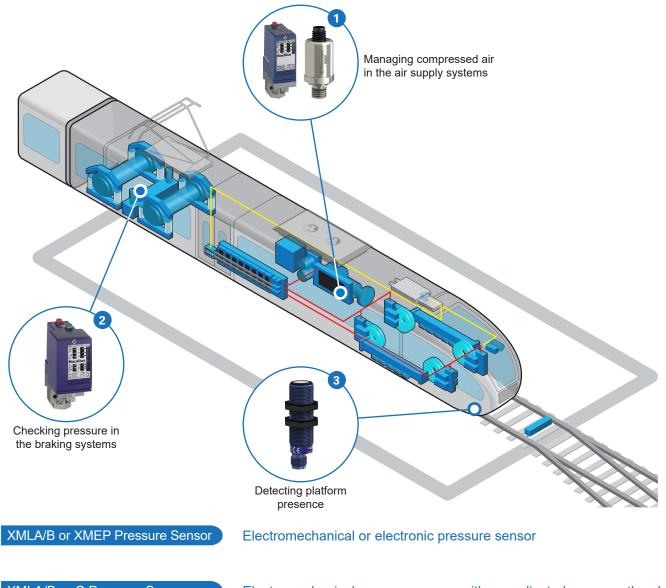
- 1 XMLC Pressure Sensor
- 2 XMEP Pressure Sensor
- 3 XS618 Inductive Sensor

Electromechanical pressure sensor with pre-adjusted pressure threshold Compact electronic pressure sensor for HVAC Inductive proximity sensor





Air supply and braking system



2 XMLA/B or C Pressure Sensor3 XX Ultrasonic Sensor

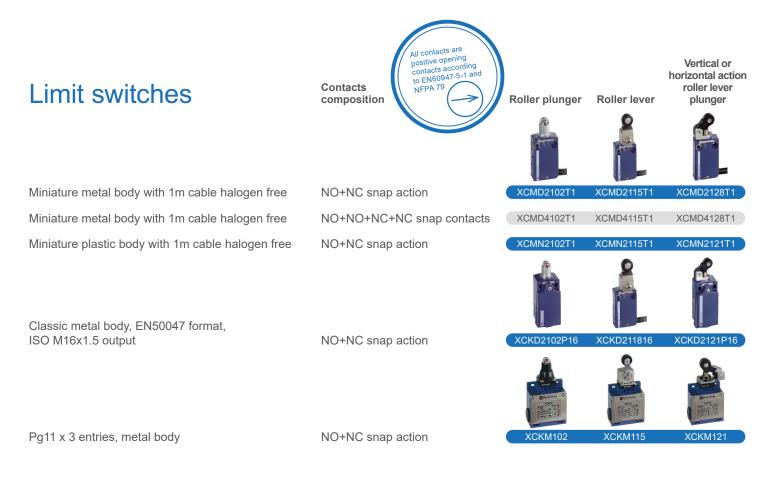
Electromechanical pressure sensor with pre-adjusted pressure threshold Software configurable and resistant to electromagnetic interference





Choose the product best-suited for your application

The following tables present a small part of our offer for railway applications. To learn more, visit our website www.tesensors.com or contact your local sales agency for adapted products.



Pressure sensors

Electromechanical pressure switches, 2 thresholds and 1 contact 145psi (10 bar), (with special eyelet terminal lug and dedicated factory setting on request)

Electromechanical pressure switches, 2 thresholds and 2 separate contacts 145psi (10 bar), (with special eyelet terminal lug and dedicated factory setting on request)

Electronic pressure transmitters 10 ... 60 bar fluid entry 7/16 - 20 UNF





XMLB010A2S11

XMLC010B2S11

Cylindrical M18 inductive proximity sensor, 24 ... 240 VAC/DC

Cubic inductive proximity sensor with M12 connector, 12 ... 48 VDC

Photoelectric sensors

8m Reflex polarized photoelectric sensor, 24 ... 240 VAC/DC, with a reflector

Ultrasonic sensors

Ø18 Ultrasonic sensor, 1m sensing distance, Analog 4...20 mA output







Telemecanique Sensors Simply easy!



Simplicity



Telemecanique Sensors is a world-class global brand offering a comprehensive line of products with over 25,000 types of sensors, including limit switches, pressure sensors, photoelectric sensors and proximity sensors. In addition, we provide state-of-the-art RFID systems that are compatible with many PLC manufacturers.

Telemecanique Sensors has all the right agency approvals, such as UL, IEC, NEMA, CE, CCC, UL, CSA, and EAC.

Telemecanique Sensors is focused on three core values — Simplicity, Proximity, and Expertise. We have become experts in factory automation sensors as well as specialists in demanding applications, making our customers' lives "Simply easy!"

Discover our complete offer: www.tesensors.com or contact your local sales agency

TMSS France SAS

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