

# Sensor Solutions for Water pumping Applications



**Telemecanique**™

**Sensors**

Simply easy!

# > Telemecanique Sensors

Simply easy!

Simplicity



Proximity



Expertise



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!"

## > Innovation focus



Telemecanique Sensors is committed to providing solutions for virtually any pressure monitoring situation. If the location of your pressure switch is easily accessible, our XMLR model pressure switch comes with an easy-to-read monitoring interface. If the location of your pressure switch is hidden from view, you can use our XMLP pressure switch and connect it to our ZMLP remote pressure switch monitor mounted in a more convenient, easily-accessible location.

### Easy to install

XMLR is one of the most compact pressure switches on the market and requires minimum installation time. The body of the switch, after being mounting on the fluid entry, can be conveniently rotated. The display can also be reversed to ensure easy reading from any position.

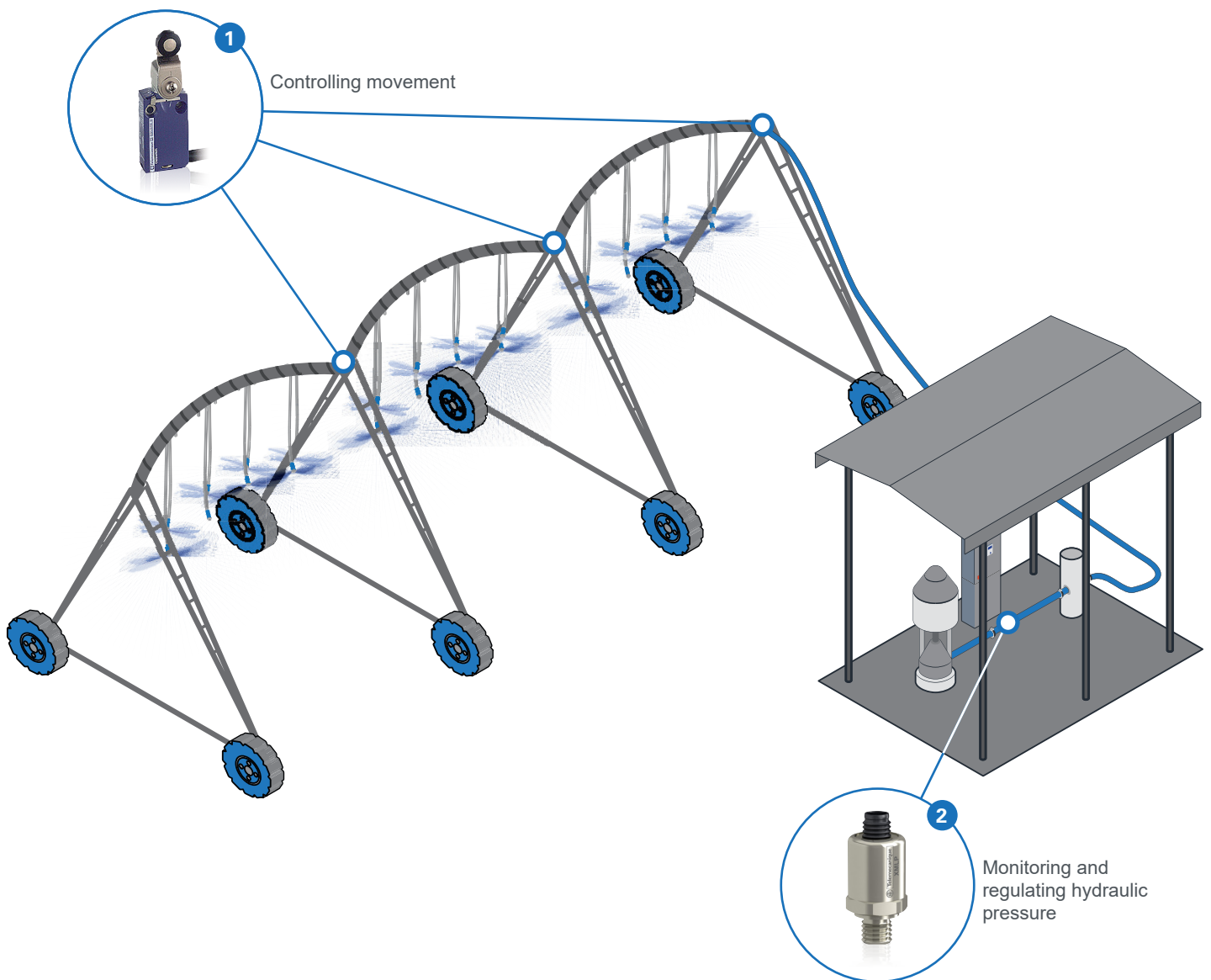
### Easy to set up

The ergonomic design of the XMLR sets the new standard for configuration ease; the intuitive menu can be navigated easily using only two pushbuttons.

### Easy to maintain

At each power on, all segments of the XMLR display briefly light up. This allows the operator to quickly confirm that each part of the display is operating correctly.

# > Irrigation

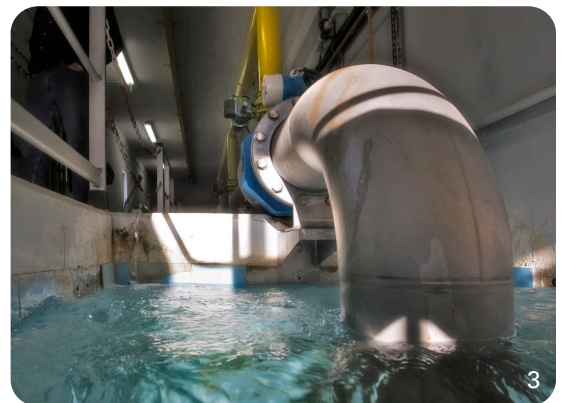


1 XCMD Limit Switch

The most compact Limit Switch body on the market with integrated connectors.

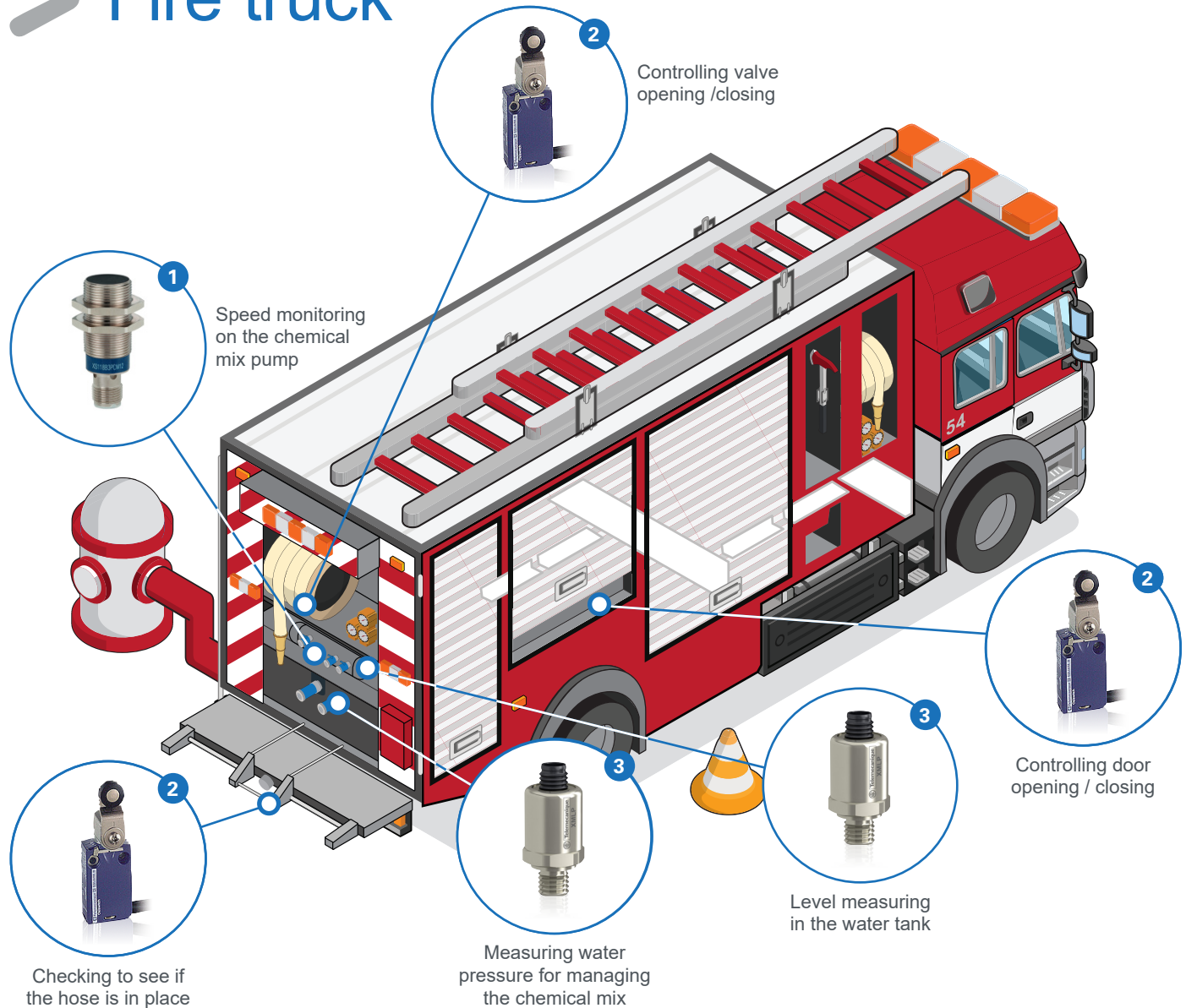
2 XMLP Pressure Sensor

Compact and robust for reliable operation.





# > Fire truck



1 XS Inductive Sensor

Inductive sensor designed for mobile equipment.

2 XCMD Limit Switch

The most compact Limit Switch body on the market with integrated connectors.

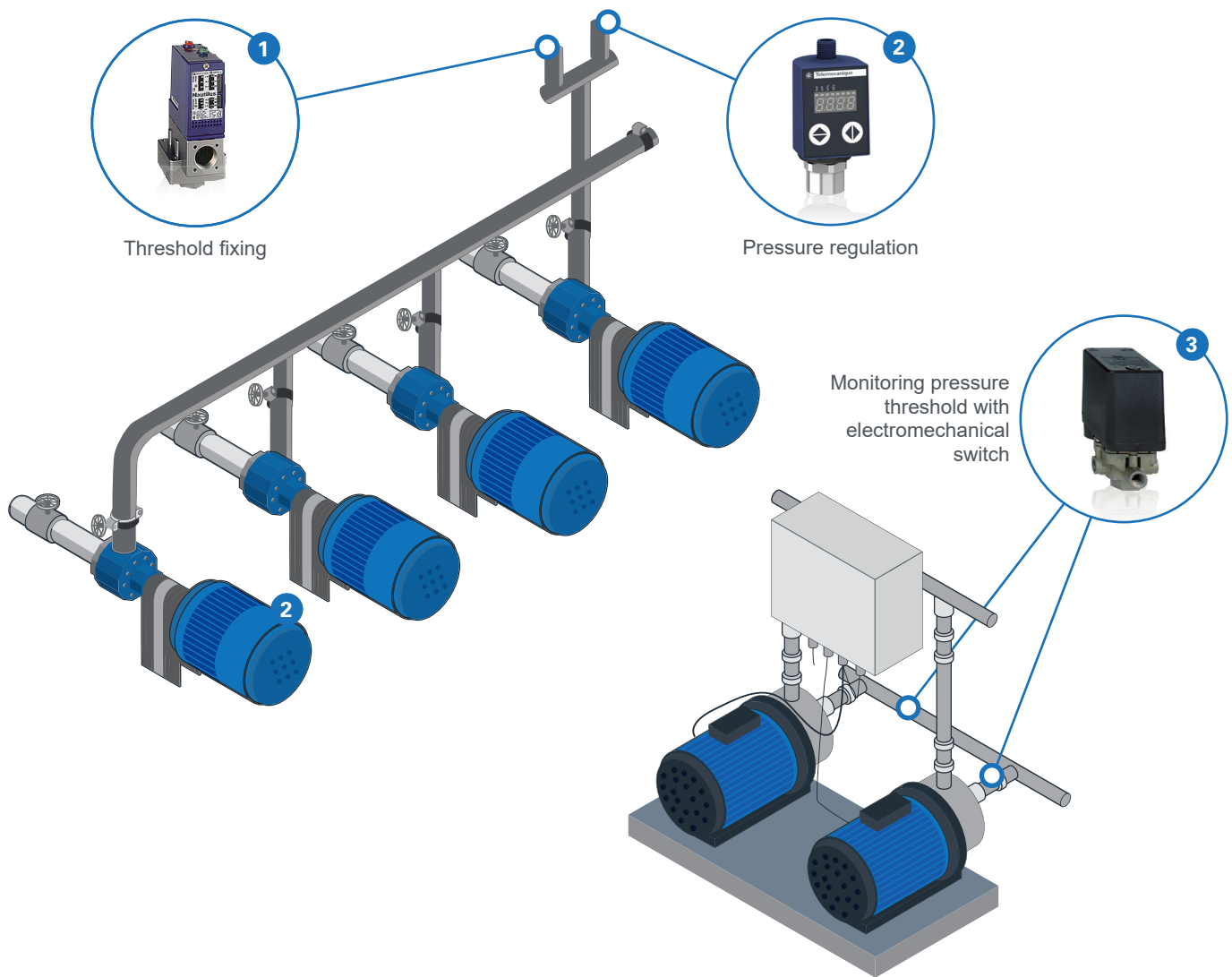
3 XMLP Pressure Sensor

Compact and robust for reliable operation.





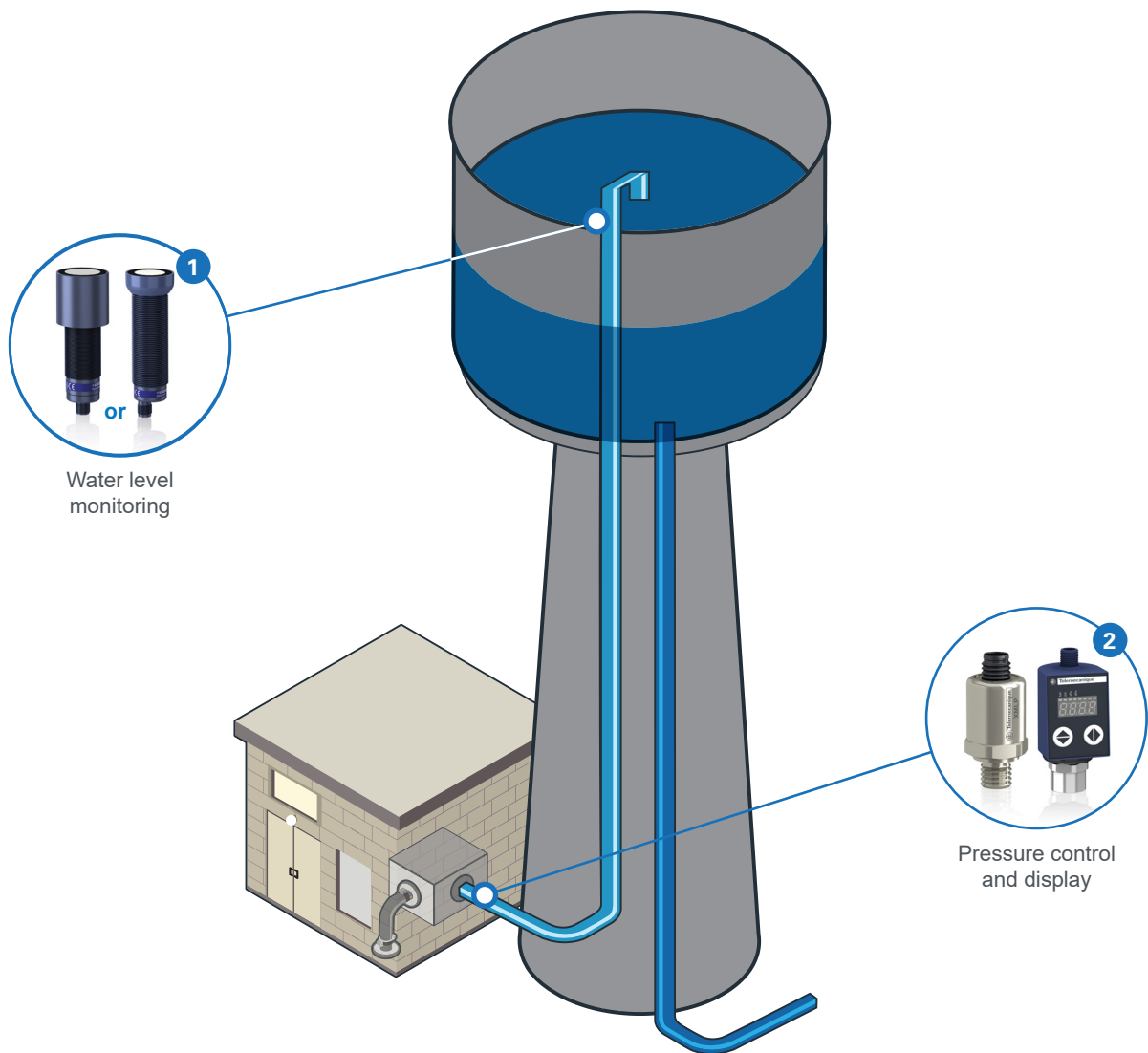
# > Lifting and boosting station



- 1 XMLA or XMX Pressure Sensor XMX for simple regulation between two thresholds; XMLA designed for harsh environments.
- 2 XMLR Pressure Switch Easy, two-button configuration.
- 3 XMP Pressure Sensor Direct power switching up to 3 kw.



# > Water storage facilities

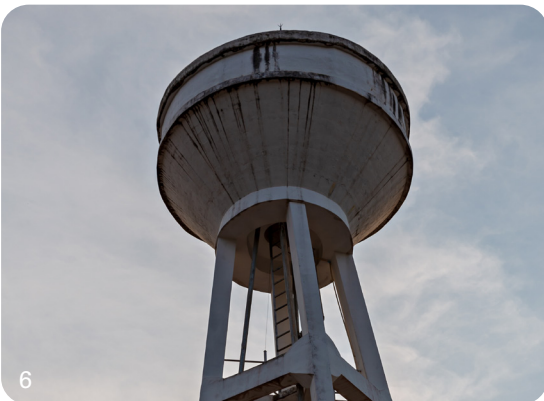


1 XXS30 / XXA30 Ultrasonic Sensor

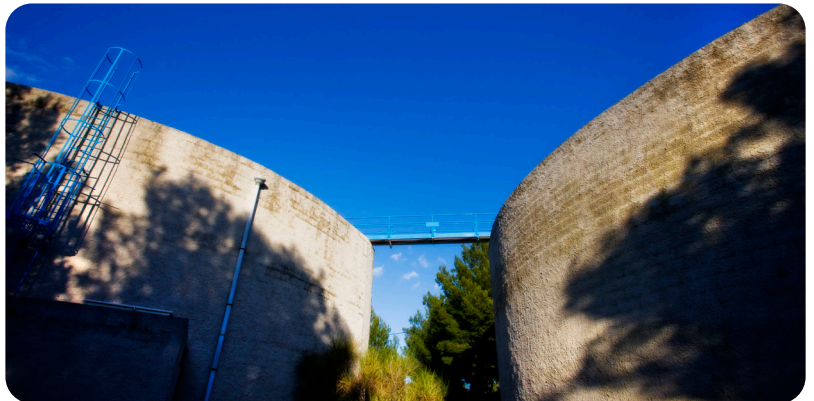
Long distance level monitoring with ultrasonic technology.

2 XMLP Pressure Sensor + ZMLP Monitor

Easy reading and adjustment of water pressure.

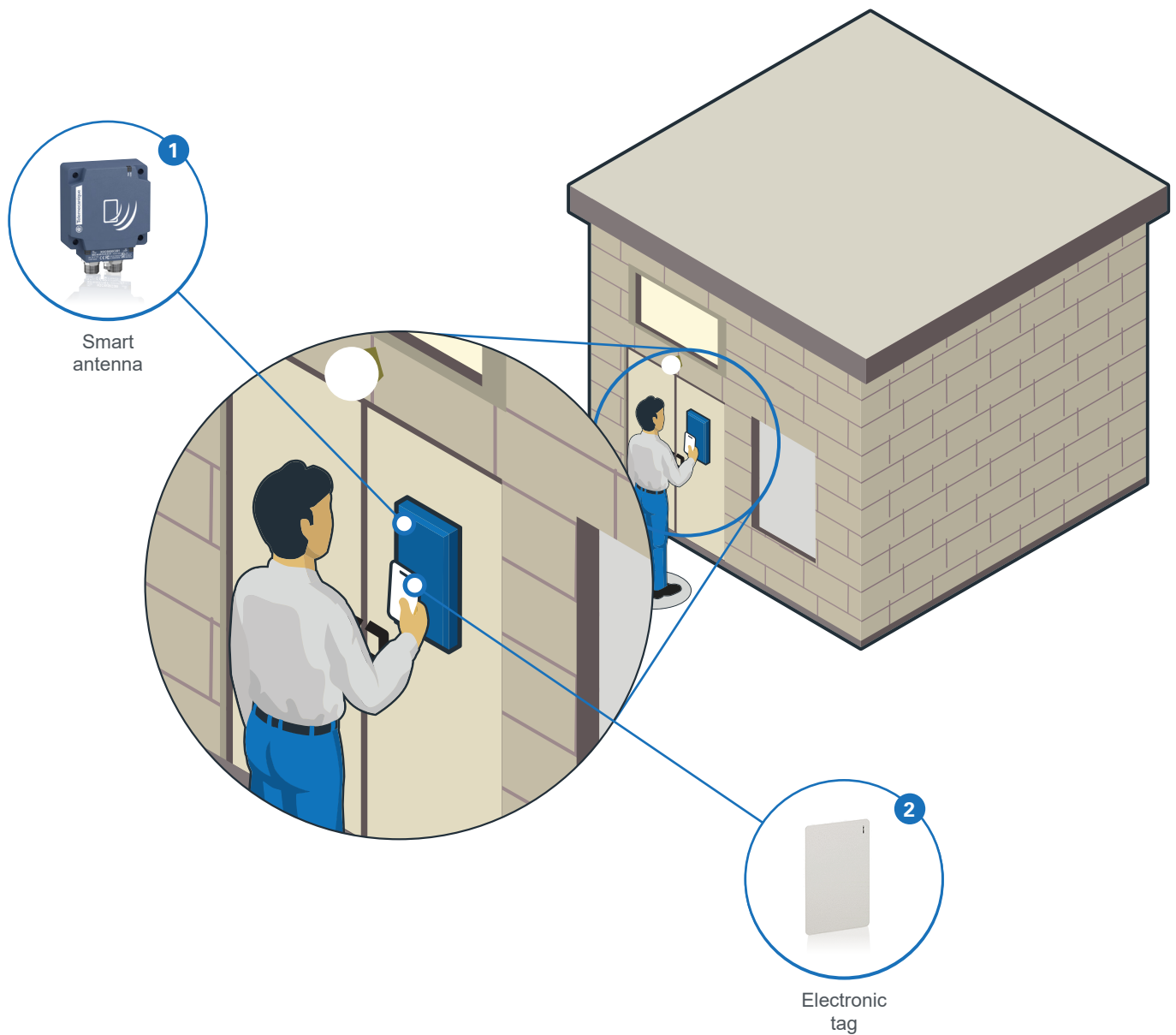


6





# > Access control



1 XGCS RFID Reader Robust for outdoor environments.

2 XGHB Electronic Tag Enhanced security through traceability.



# > Choose product best-suited for your application

## Ultrasonic sensors

| XX M30                                                                            | Functions    | Output                                                 | Nominal sensing distance Sn |                            |                            |                              |
|-----------------------------------------------------------------------------------|--------------|--------------------------------------------------------|-----------------------------|----------------------------|----------------------------|------------------------------|
|                                                                                   |              |                                                        | 1m                          | 2m                         | 4m                         | 8m                           |
|  | Pumping mode | PNP (NO/NC programmable)<br>2xPNP (NO/NC programmable) | XXS30P1PM12                 | XXS30P2PM12                | XXS30P4PM12                | XXS30P8PPM12                 |
|                                                                                   | Analog       | 0...10 V<br>4...20 mA                                  | XXS30P1VM12<br>XXS30P1AM12  | XXS30P2VM12<br>XXS30P2AM12 | XXS30P4VM12<br>XXS30P4AM12 | XXS30P8VPM12<br>XXS30P8APM12 |

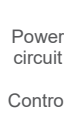
## Limit switches

| XCMD                                                                              | Output type  |                          | Complete switch with steel plunger | Complete switch with steel roller lever |
|-----------------------------------------------------------------------------------|--------------|--------------------------|------------------------------------|-----------------------------------------|
|                                                                                   |              |                          |                                    |                                         |
|  | Cable 1m     | 2-pole NC+NO snap action | XCMD2102L1                         | XCMD2116L1                              |
|                                                                                   | Cable 1m     | 2-pole NC+NO slow break  | XCMD2502L1                         | XCMD2516L1                              |
|                                                                                   | M12 / 5 Pins | 2-pole NC+NO snap action | XCMD2102M12                        |                                         |

## Inductive proximity sensors

| XS                                                                                |        |                     | Short body   | Long body    |
|-----------------------------------------------------------------------------------|--------|---------------------|--------------|--------------|
|                                                                                   |        |                     |              |              |
|  | 3 wire | PNP - connector M12 | XS118B3PAM12 | XS618B1PAM12 |

## Pressure sensors

| XM / ZM                                                                             |                                                |                                                         | 4 bar        | 6 bar        | 10 bar       | 12 bar      | 16 bar       | 25 bar       |
|-------------------------------------------------------------------------------------|------------------------------------------------|---------------------------------------------------------|--------------|--------------|--------------|-------------|--------------|--------------|
|                                                                                     |                                                |                                                         |              |              |              |             |              |              |
|  | Power circuit                                  | 2-pole 2 NC<br>3-pole 3NC                               |              | XMPA06B2131  |              | XMPA12B2131 |              |              |
|                                                                                     | Control circuit                                | 1 contact c/o<br>1 contact c/o                          |              | XMPA06C2131  |              | XMPA12C2131 |              |              |
|  |                                                | 1 contact c/o                                           |              | XMXA06L2135  |              | XMXA12L2135 |              | XMXA25L2135  |
|                                                                                     |                                                | 2 switching output (PNP)                                | XMLA004A2S12 |              | XMLA010A2S12 |             |              |              |
|  |                                                | 1 switching output (PNP)<br>+ 1 analog output (0-10 V)  |              |              | XMLR010G1P75 |             | XMLR016G1P75 | XMLR025G1P75 |
|                                                                                     |                                                | 1 analog output (0-10 V)                                | XMLP004GD71F | XMLP006GD71F | XMLP010BD71F |             | XMLP016BD71F | XMLP025BD71F |
|  |                                                | 1 analog output (4-20mA)                                | XMLP004GD21F | XMLP006GD21F | XMLP010BD21F |             | XMLP016BD21F | XMLP025BD21F |
|                                                                                     | Switch and display for XMLP (for 4-20 mA only) |                                                         |              |              |              |             |              |              |
|  |                                                | 2 switching output (PNP)                                |              |              |              | ZMLPA2P0SH  |              |              |
|                                                                                     |                                                | 1 switching output (PNP) +<br>1 analog output (4-20 mA) |              |              |              | ZMLPA1P2SH  |              |              |

## RFID access control

| XG                                                                                  |                | Communication | Dimensions       |             |
|-------------------------------------------------------------------------------------|----------------|---------------|------------------|-------------|
|                                                                                     |                |               |                  |             |
|  | Smart antenna  | Ethernet      | 80 x 93 x 40 mm  | XGCS850C201 |
|                                                                                     |                | Modbus        | 40 x 40 x 15 mm  | XGCS49LB201 |
|  | Electronic tag | Shape         | Dimensions       |             |
|                                                                                     |                | Badge         | 54 x 85.5 x 1 mm | XGHB90E340  |

Discover our complete offer: [www.tesensors.com](http://www.tesensors.com) or contact your local sales agency

Schneider Electric Industries SAS  
Head Office  
35, rue Joseph Monier – CS 30323  
F92506 Rueil-Malmaison Cedex  
FRANCE  
[www.tesensors.com](http://www.tesensors.com)

Due to the constant evolution of standards and equipment, the specifications indicated in the text and images of this document can only be guaranteed after confirmation by our departments. Print: Schneider Electric Photos: Schneider Electric

©2021 Schneider Electric. All Rights Reserved. Schneider Electric, and Telemecanique are trademarks and the property of Schneider Electric SE, its subsidiaries and affiliated companies. All other trademarks are the property of their respective owners.

October, 2022 9006BR2101 R11/21