

# Sensor Solutions for Water Pumping Applications



**Telemecanique**

**Sensors**

Simply easy!

# > Telemecanique Sensors

Simply easy!

Simplicity



Expertise



Proximity



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.

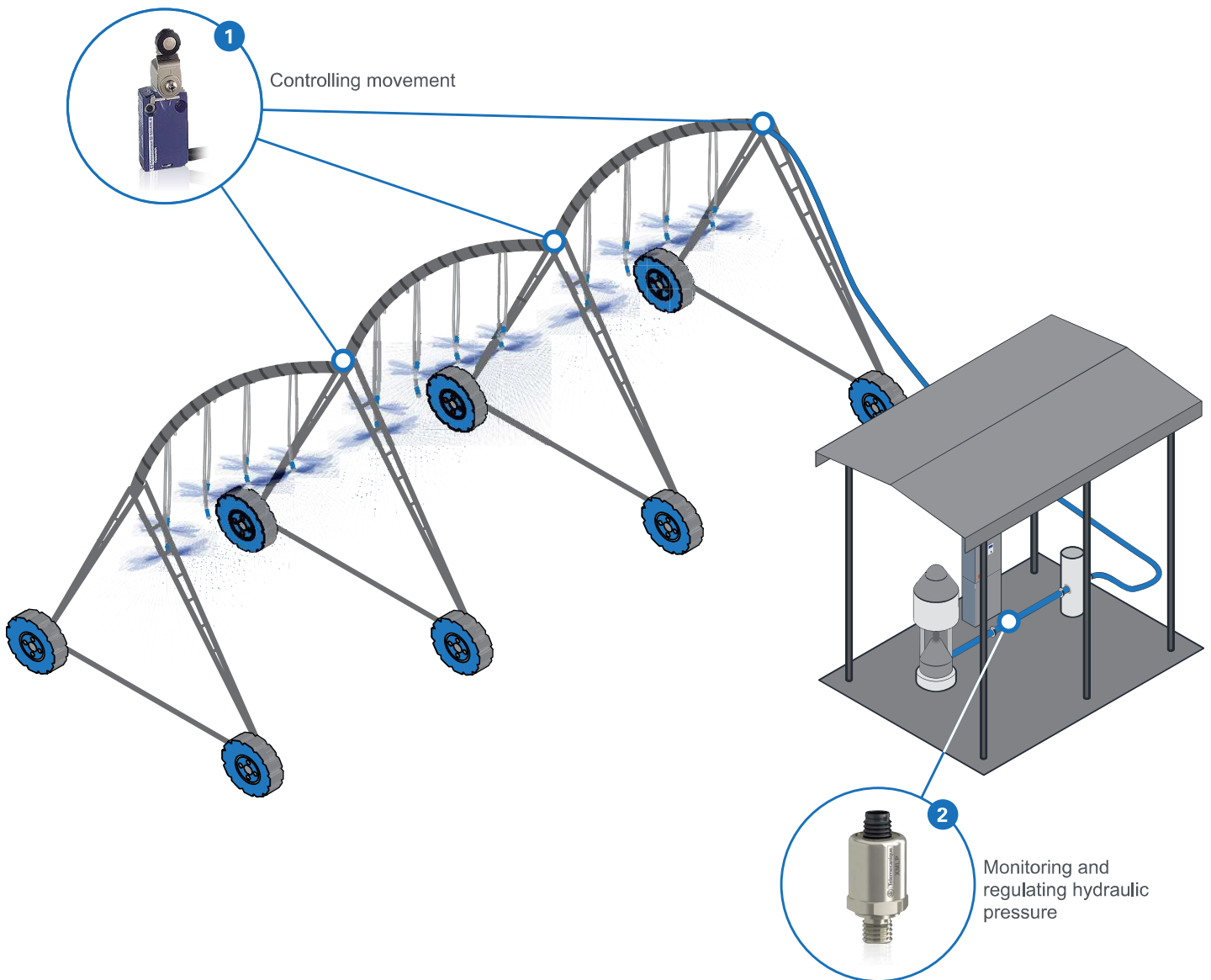
### Easy to set up

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

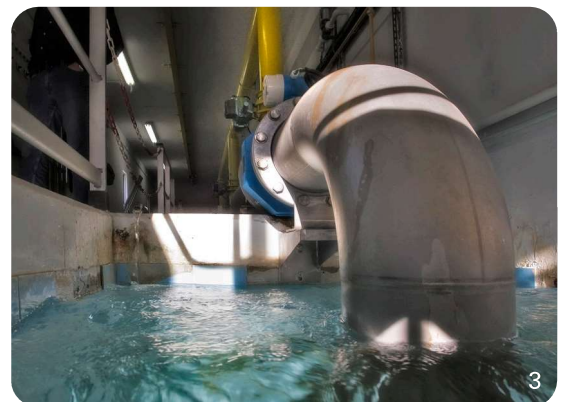


1 XCMD Limit Switch

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

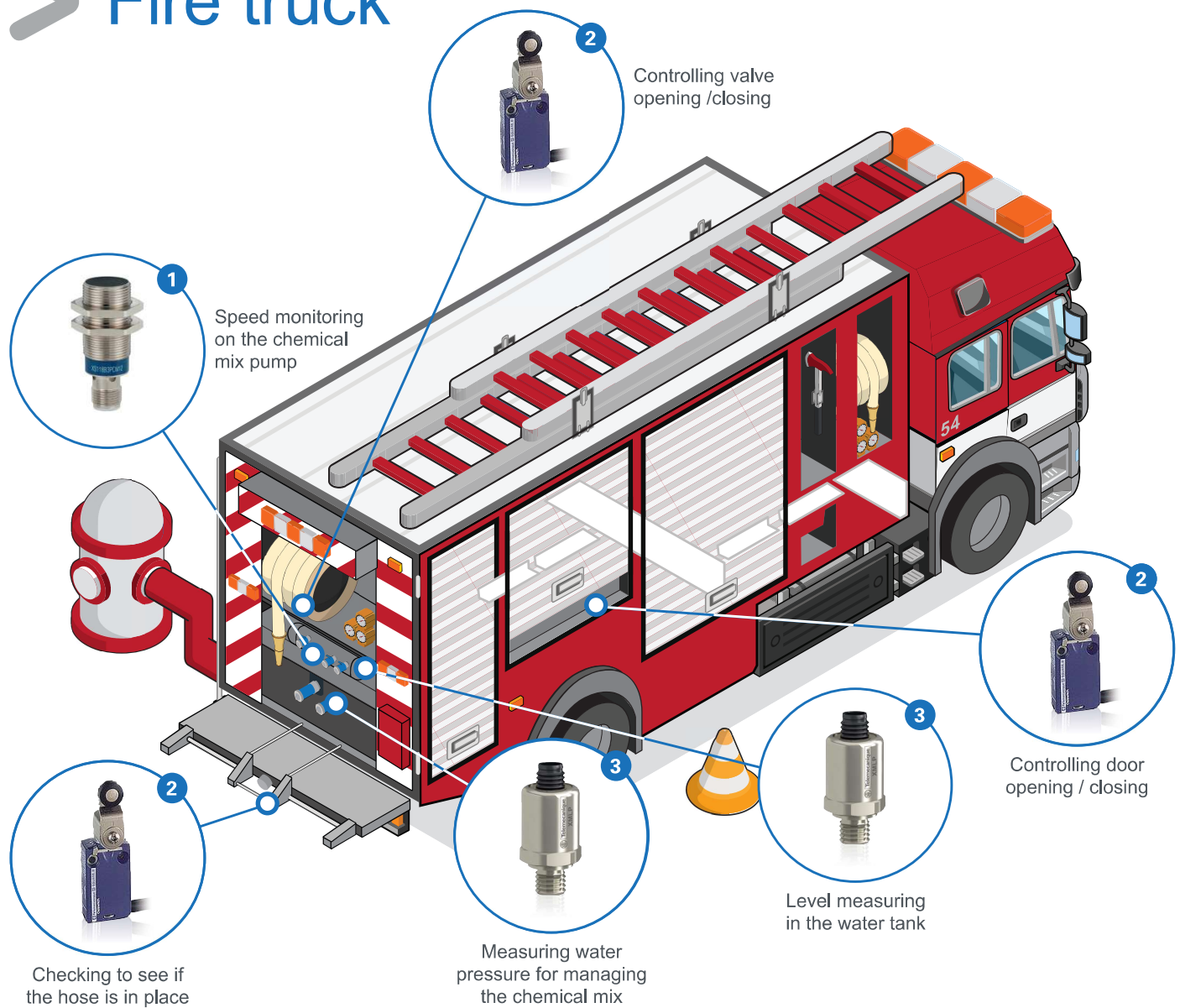
2 XMLP Pressure Sensor

Compact and robust for reliable operation.





# > Fire truck



1 XS Inductive Sensor

Inductive sensor designed for mobile equipment.

2 XCMD Limit Switch

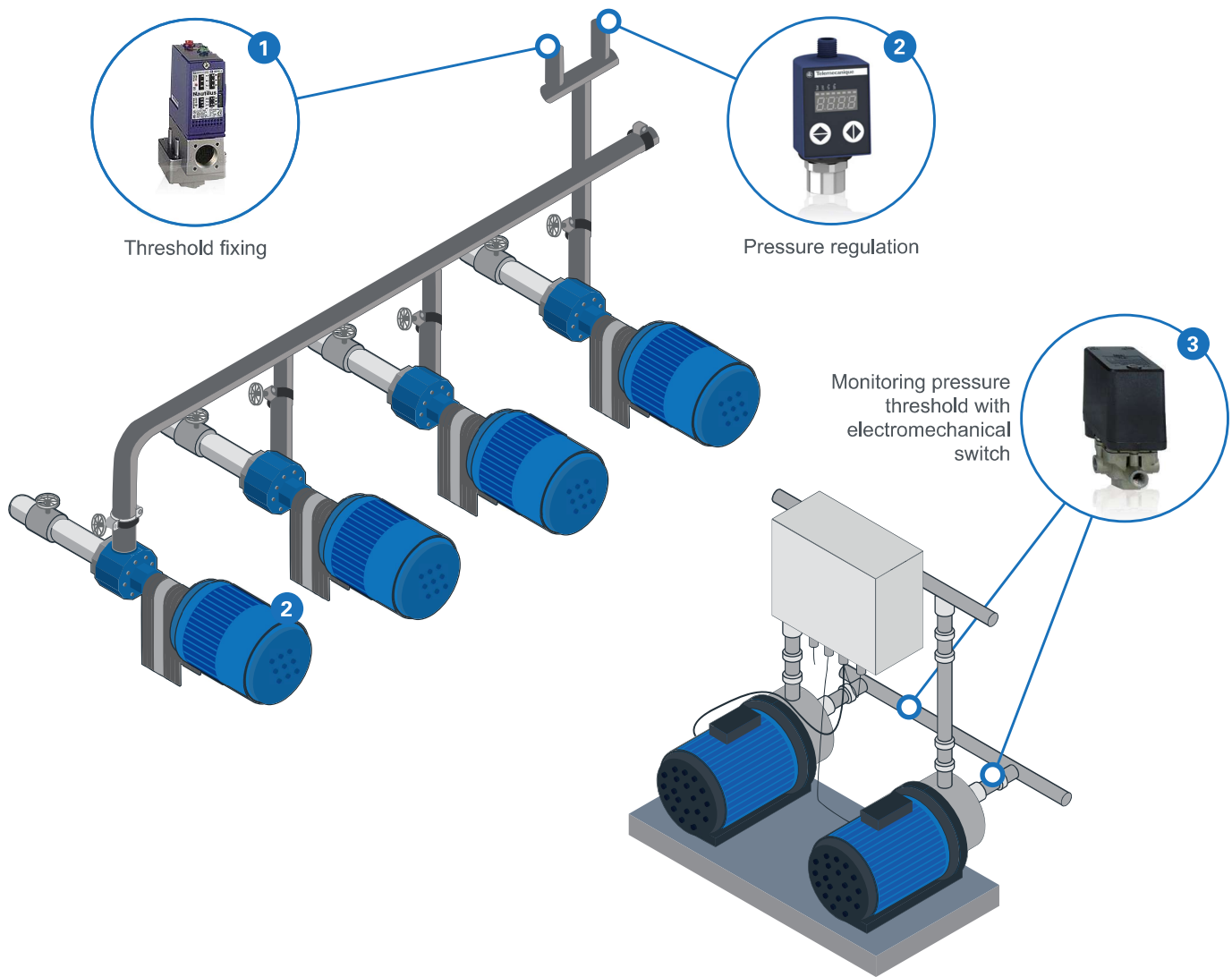
The most compact Limit Switch body on the market with integrated connectors.

3 XMLP Pressure Sensor

Compact and robust for reliable operation.



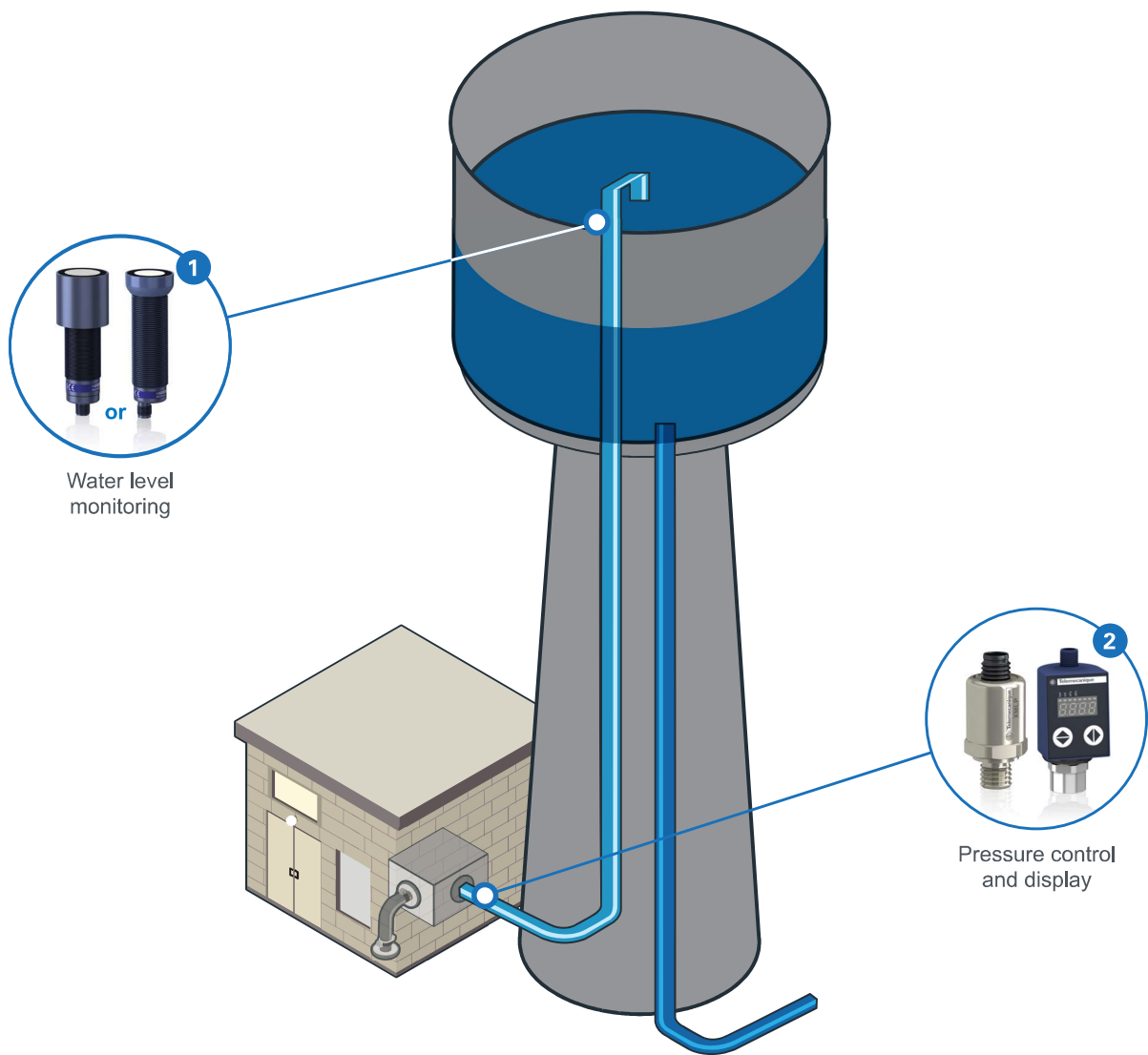
# > Lifting and boosting station



- |   |                             |   |
|---|-----------------------------|---|
| 1 | XMLA or XMX Pressure Sensor | 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

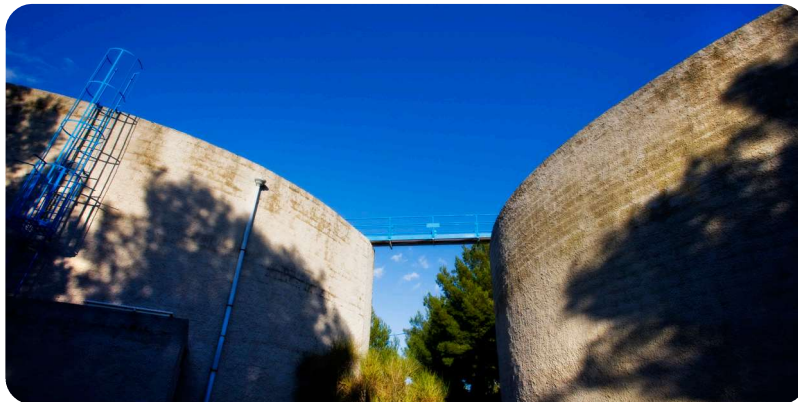
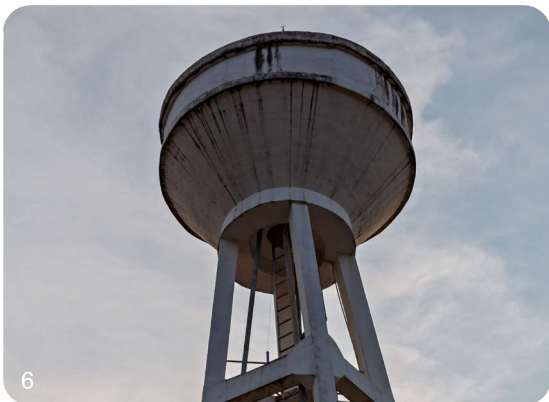


1 XXS30 / XXA30 Ultrasonic Sensor

Long distance level monitoring with ultrasonic technology.

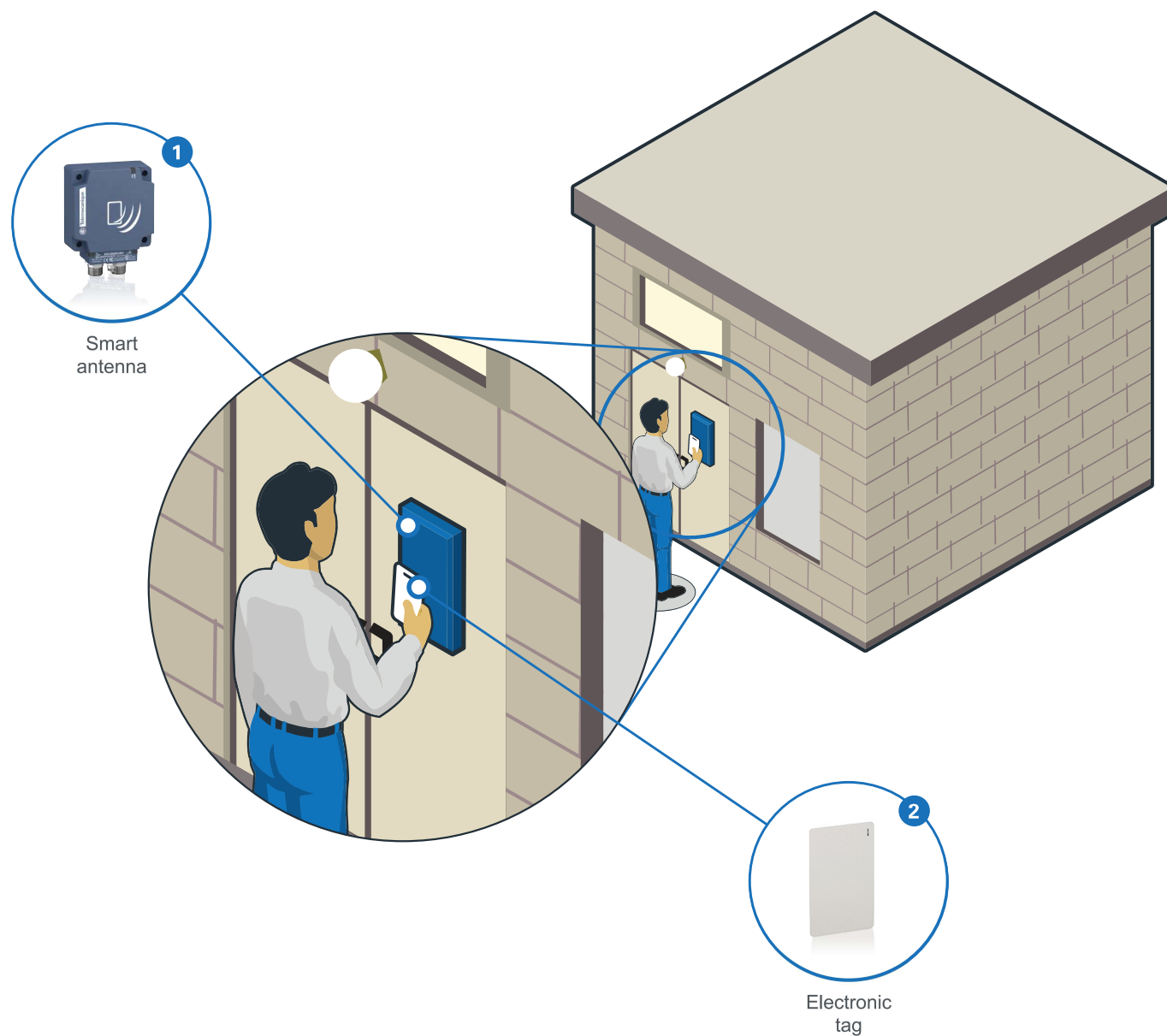
2 XMLP Pressure Sensor + ZMLP Monitor

Easy reading and adjustment of water pressure.





# > 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 S <sub>n</sub>			
			1m	2m	4m	8m
	Pumping mode	PNP (NO/NC programmable) 2xPNP (NO/NC programmable)	XXS30P1PM12	XXS30P2PM12	XXS30P4PM12	XXS30P8PPM12
	Analog	0...10 V 4...20 mA	XXS30P1VM12 XXS30P1AM12	XXS30P2VM12 XXS30P2AM12	XXS30P4VM12 XXS30P4AM12	XXS30P8VPM12 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

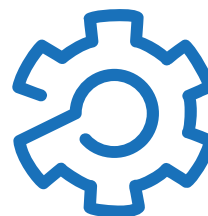
XS	3 wire	PNP - connector M12	Short body	Long body
			XS118B3PAM12	XS618B1PAM12

## Pressure sensors

XM / ZM			4 bar	6 bar	10 bar	12 bar	16 bar	25 bar
	Power circuit	2-pole 2 NC 3-pole 3NC		XMPA06B2131 XMPA06C2131		XMPA12B2131 XMPA12C2131		
	Control circuit	1 contact c/o 1 contact c/o		XMXA06L2135		XMXA12L2135		XMXA25L2135
		2 switching output (PNP)	XMLA004A2S12		XMLA010A2S12			
		1 switching output (PNP) + 1 analog output (0-10 V)			XMLR010G2P05 XMLR010G1P75		XMLR016G2P05 XMLR016G1P75	XMLR025G2P05 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) + 1 analog output (4-20 mA)			ZMLPA1P2SH			

## RFID access control

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



### Robust and reliable

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