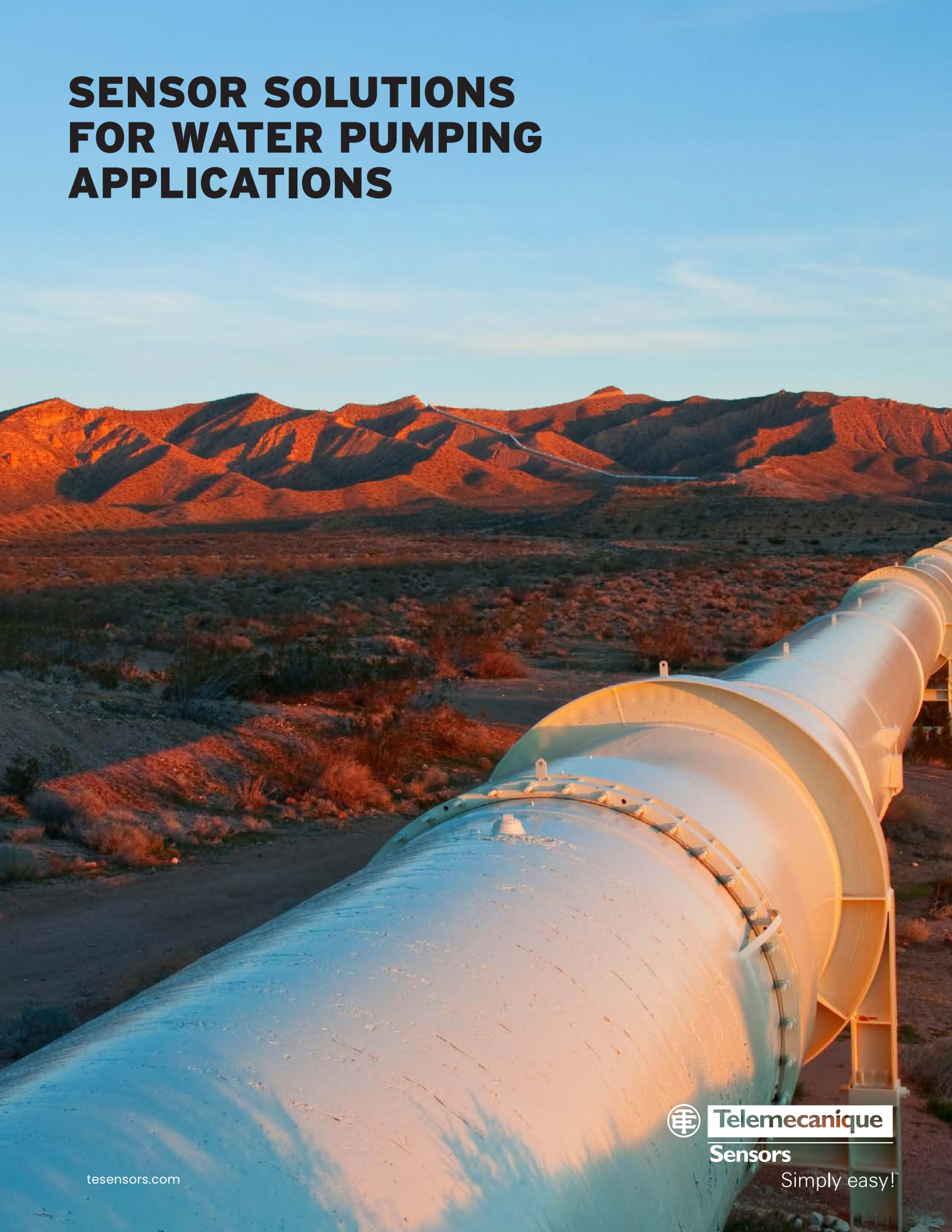


SENSOR SOLUTIONS FOR WATER PUMPING APPLICATIONS



tesensors.com



Telemecanique

Sensors

Simply easy!

A LEGACY OF INNOVATIVE DETECTION SOLUTIONS.

The birth of a brand

Founded over 90 years ago, Telemecanique Sensors specializes in sensors and sensor-related technology. The company is a global player with a presence in over 20 countries and a product range distributed worldwide through an extensive network of partners.

As a global leader in the sensors business, Telemecanique Sensors supports customers in selecting the right technology to ensure they enjoy optimum performance and reliability from their machines. Focused on 3 core values - simplicity, proximity and expertise - the company is expert in factory automation sensors and specializes in demanding applications, facilitating customers' lives. Telemecanique Sensors and Pumptrol joined forces several years ago to extend the product offering. Today Square D sensors are included in the catalog.

A reputation you can rely on

The Pumptrol pressure switches enjoy a 75-year reputation as the most trusted brand in residential, commercial and pumping applications. As part of the Telemecanique Sensors product range, Pumptrol pressure switches continue to meet our customers' needs. Limit and Pressure Switches provide proven reliability in an easy, simple, compact installation. The universally accepted and recognized design is easy to wire, features drift-proof cut-in and cut-out settings, and has visible vertical contacts which are easy to inspect. No manufacturer offers a broader line of water pump switches to meet your pumping needs.

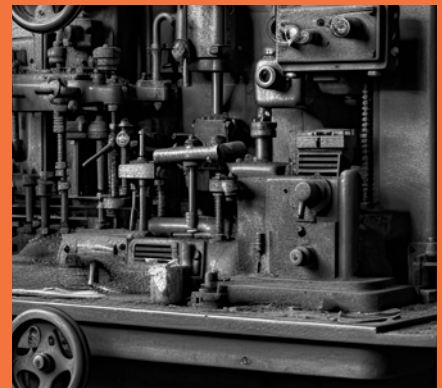
Continued innovation

Today Pumptrol and Telemecanique Sensors are two brands that draw on the same core strengths to provide you with a global offer. The same commitment to safety, reliability and ingenuity that helped launch the Square D brand in the early 20th century continue to define our approach for the future. Look no further to fulfil your water pumping application needs. Reliable traditional solutions and advanced contemporary solutions from one sensor provider!

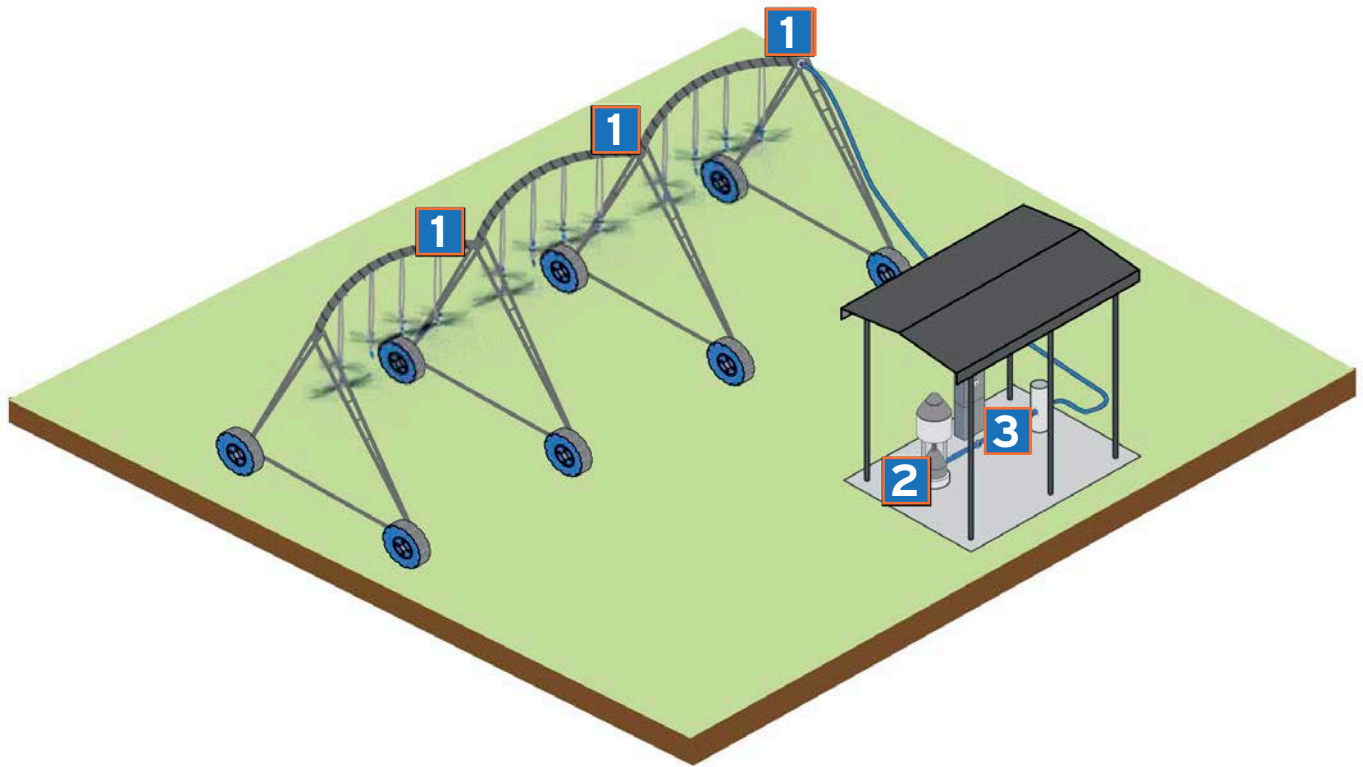


Telemecanique

Sensors



IRRIGATION



1 Metallic Miniature Limit Switch

Controls the movement of the watering system

9007MS/ML



2 Commercial Water Pressure Switch

Controls pressure and powered water pumps

9013FSG



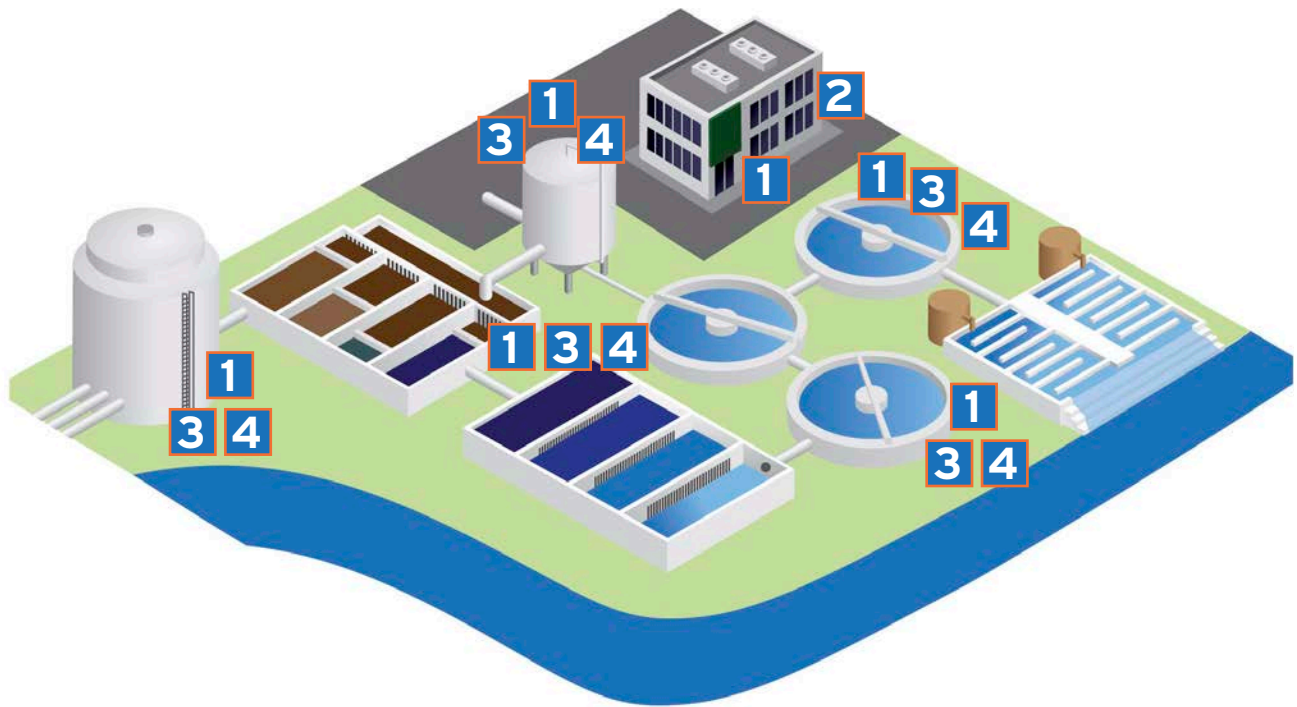
3 Pressure Sensor

Monitors water pressure

XMLP



WATER/WASTEWATER



1 Float Switch

Detects water level to control the pump

9036, 9037, or 9038



2 Industrial Pressure Switch

Monitors and controls system pressure

9012G



3 Pressure Sensor

Monitors water pressure

XMLP



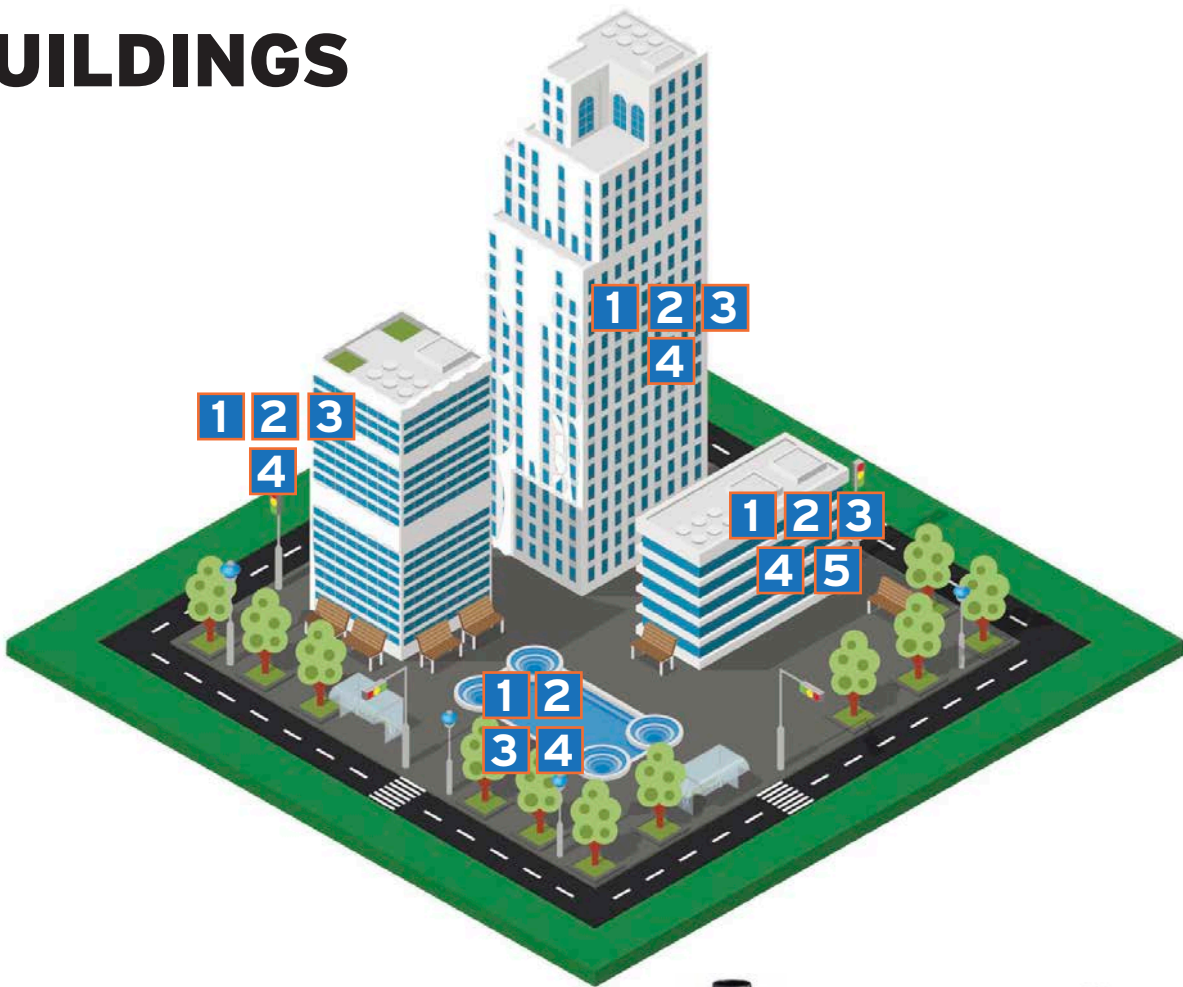
4 Commercial Water Pressure Switch

Controls pressure and powered water pumps

9013FSG



BUILDINGS



1 Float Switch

Detects water level to control the pump

9036, 9037, or 9038



2 Industrial Pressure Switch

Monitors and controls system pressure

9012G



3 Pressure Sensor

Monitors water pressure

XMLP



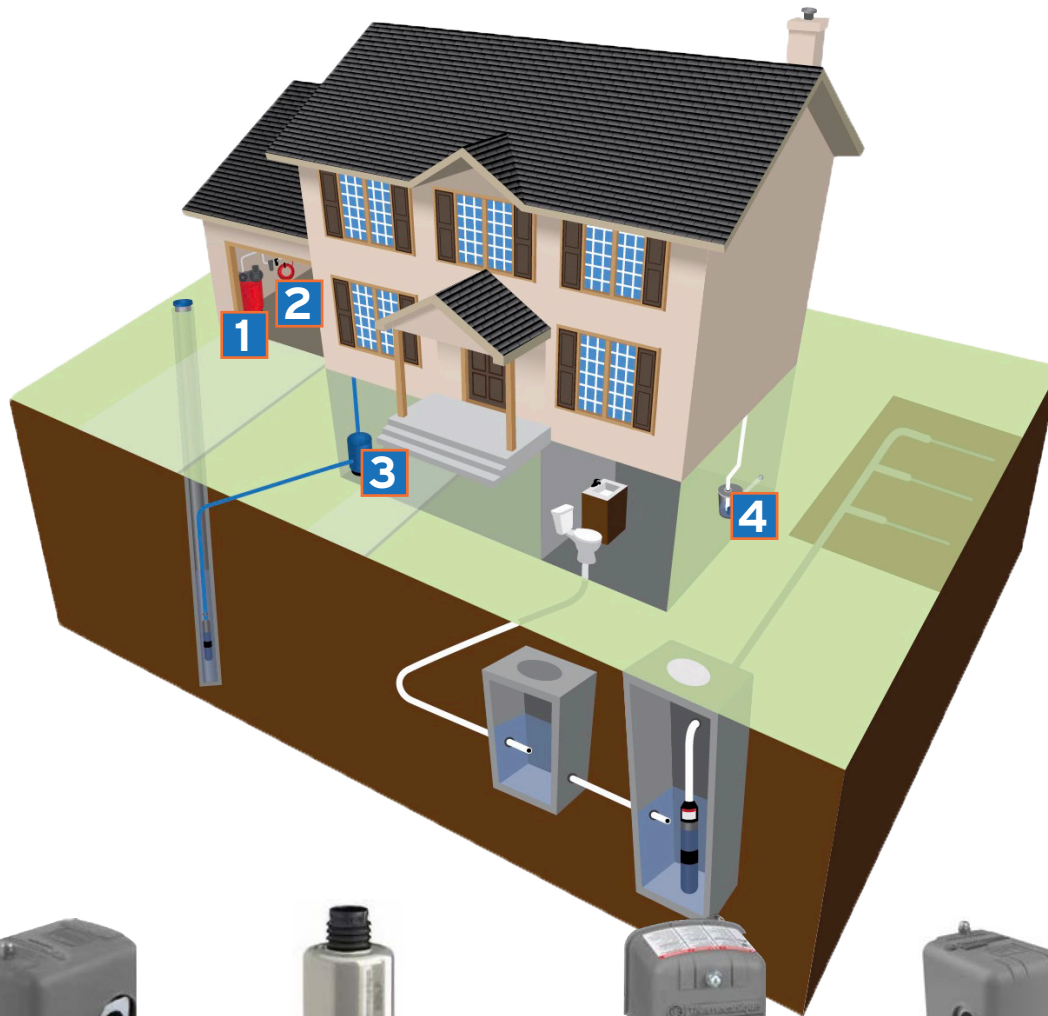
4 Commercial Water Pressure Switch

Controls pressure and powered water pumps

9013FSG



RESIDENTIAL



1 Commercial Air Compressor Switch

Controls electrically driven air compressors

9013FHG



2 Pressure Sensor

Monitors water pressure

XMLP



3 Commercial Water Pressure Switch

Controls pressure and powered water pumps

9013FSG



4 Float Switch

Detects water level to control the pump

9036, 9037, or 9038



CHOOSE THE PRODUCT BEST-SUITED FOR YOUR APPLICATION

Limit Switches

Telemecanique Sensors brand limit switches represent quality, consistent performance and durability. Our 9007 series of Telemecanique Sensors Limit Switches are the perfect solution for controlling the movement of irrigation systems and many other water pumping application machine movements.



	Top Plunger	
	Form C	Form Z
Silver	9007MS01S0100	-

	Parallel Roller Plunger	
	Form C	Form Z
Silver	9007MS02S0100	9007ML02S0100
Gold	9007MS02G0100	

	Rotary Lever, CW+CCW	
	Form C	Form Z
Silver	9007MS04S0100	9007ML04S0100

Other configurations are available: see www.tesensors.com/us

Commercial Water Pressure Switches

Telemecanique Sensors brand provides the best in product quality, availability and service in our industry. Our 9013FSG switch is the industry's "gold standard" of water pressure switches and has made us synonymous with reliability. The 9013FSG switch is the ideal solution for starting or stopping a water pump.



Function	9013FSG2J20	9013FSG2J21	9013FSG2J24	9013FSG2J21M4	9013FSG2J24M4
Cut-in	20 psi	30 psi	40 psi	30 psi	40 psi
Cut-out	40 psi	50 psi	60 psi	50 psi	60 psi
Optional features	-	-	-	w/Low Pressure cut-off	w/Low Pressure cut-off

Other configurations are available: see www.tesensors.com/us

The Telemecanique Sensors XMLP Pressure sensor is optimized for those designing and building pumping equipment. Designed with a compact, stainless steel housing, this robust and durable pressure sensor is ideal for monitoring water pressure. The XMLP is NSF 61 certified for use with drinking water.

Specifications below are for models with 1/4"-18NPT Male fluid entry. For more options of fluid entry, output and size, visit www.tesensors.com



Analog output	0...100psi	0...150psi	0...300psi	0...600psi	0...1000psi	0...3000psi	0...6000psi
4-20mA	XMLP100PD230	XMLP150PD230	XMLP300PD230	XMLP600PD230	XMLP1K0PD230	XMLP3K0PD230	-
0-10V	XMLP100PD730	XMLP150PD730	-	-	XMLP1K0PD730	-	XMLP6K0PD730
0.5-4.5V	XMLP100PD130	XMLP150PD130	-	XMLP600PD130	XMLP1K0PD130	-	XMLP6K0PD130

Float Switches

As a market leader in water pressure monitoring and control, we offer a complete line of float switches to detect the rise or fall of liquid levels in various types of containers. Our offer includes switches for open tank applications (9036), closed tank applications (9037) and mechanical alternators (9038).



Float Switches - Open Tank	General Purpose		Heavy Duty
Contact Action	Close on Liquid Rise	Open on Liquid Rise	Close on Liquid Rise
NEMA 1 Enclosure	9036DG2	9036DG2R	9036GG2
NEMA 4 Enclosure	9036DW31	9036DW31R	9036GW1



Open Tank Float Accessory Kits	Pedestal Style	Plastic Center Hole Float	Complete with float and rod assembly	5' Brass rod, tapped at top #304SS
NEMA 1 Enclosure	9036FG30	9049A60	9036FGCP	9049A6

Float Switches - Closed Tank Flange Mounted				
Post Length	2.63 inches		4.69 inches	
Water Level Change	Minimum	Maximum	Minimum	Maximum
NEMA 1 Enclosure	9037EG8	9037EG9	9037EG10	9037EG13
NEMA 4 Enclosure	-	9037EW9	-	9037EW13

Float Switches - Screw In Bushing						
Offset and water level change	90° offset 6 - 11.5 in.	90° offset 6 - 11.5 in.	90° offset 4.25 - 8.25 in.	90° offset 4.25 - 8.25 in.	45° offset 2 - 5 in.	45° offset 2 - 5 in.
Float position	Left	Right	Left	Right	Left	Right
NEMA 1 Enclosure	9037HG32	9037HG31	9037HG30	9037HG39	9037HG34	9037HG33
NEMA 4 Enclosure	9037HW32	9037HW31	9037HW30	-	9037HW34	9037HW33



Mechanical Alternators - 9038	Open and Sump Tank	Screw In Bushing		
Float position, Water Level Change min/max inches		Right 6.5 - 13 in.	Left 6.5 - 13 in.	Left 4.75 - 9.25 in.
NEMA 1 Enclosure	9038AG1	9038CG31	9038CG32	9038CG36
NEMA 4 Enclosure	9038AW1	9038CW31	9038CW32	9038CW36
NEMA 7 & 9 Enclosure	9038AR1	9038CR31	9038CR32	9038CR36



Float Kits	#304SS Float	#316SS Float	#304SS Float
Diameter / Length	3.62 Diameter 4.5 Length	3.62 Diameter 4.5 Length	2.5 Diameter 7 Length
Float Kits	9049EF1	9049EF2	9049HF3



Industrial Pressure Switches

Telemecanique Sensors offers a range of Industrial Pressure Switches control circuit rated for pneumatic and hydraulic systems. A variety of products are available that include open style, NEMA 1, 4, and 7 & 9 enclosures; single stage, dual stage, and differential switches. These switches are used to interface pneumatic or hydraulic systems with electrical control systems. Rugged, robust construction provides a long life and years of uninterrupted, worry-free service. Adjustable differential and diaphragm actuated. NEMA 4, 4X 13 Enclosure.



Range on Decreasing Pressure	Adjustable Differential Approx at Mid-Range	Max Pressure	SPDT	DPDT
0.2 - 10	0.6 - 2	100 psi	9012GAW1	9012GAW21
1.0 - 40	1.6 - 8	100 psi	9012GAW2	9012GAW22
1.5 - 75	3.5 - 15	240 psi	9012GAW4	9012GAW24
3.0 - 150	6.0 - 30	475 psi	9012GAW5	9012GAW25



Range on Decreasing Pressure	Adjustable Differential Approx at Mid-Range	Max Pressure	NEMA 1 Enclosure	Open Style
0.2 - 10	0.4 - 0.9	100 psi	9012GNG1	-
1.0 - 40	1.2 - 3.6	100 psi	9012GNG3	-
1.5 - 75	2.2 - 6.6	240 psi	9012GNG4	9012GNO4
3.0 - 150	4.2 - 13.2	475 psi	9012GNG5	9012GNO5

Commercial Air Compressor Switches

Pumptrol Air Compressor switches from Telemecanique Sensors are ideal for controlling air compressors and HVAC systems. These reliable switches are factory set with cut-out pressure settings of 100, 125 or 150 psi. Fixed differential.



Function	9013FHG2J27	9013FHG12J52M1X	9013FHG14J52M1X
Cut-in	80 psi	95 psi	95 psi
Cut-out	100 psi	125 psi	125 psi
Optional features		Auto-Off Lever Pressure release valve	Auto-Off Lever Pressure release valve 1/4" 4-way flange

Other configurations are available: see www.tesensors.com

Other Pressure Control Solutions

The **XMLR** compact pressure sensor from Telemecanique Sensors makes machine pressure control Simply easy!

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

Easy to set up - The ergonomic design of 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 the display is operating correctly.

Are you looking for an easy way to read and control pressure data when the conduit is hidden from view?

Discover the new **ZMLP**, designed with the same benefits as the XMLR. This easy-to-use display can be linked to a separate pressure transmitter, delivering a clear view of accurate pressure information even if the conduit runs in a hard-to-access location. A solution for virtually every machine configuration!

Discover our complete offer: www.tesensors.com or contact your local sales agency
customer-support-na@tesensors.com

www.tesensors.com

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