

## 24VDC Liquid Level Sensor

Combine the control box and sensor to activate a water valve. When sensor is triggered by a tank in either full or empty condition, it will trigger an output status change.

- Empty type **Lower \$\$\$**
- Diameter: 1.0"
- Overall Length: 3.9"
- Travel Distance: 2.0"



Part No.	Description	1	10	25
176250	Sensor empty type	\$7.39	\$6.28	\$5.29

## Fujikura -1.1 to 2.5 PSI Pressure Sensor

- Measurable pressure range: -1.1 to 2.5 PSI
- Maximum load pressure: twice rated pressure
- Operating volt.: 5V @ <10mA
- Maximum excitation voltage: 8V
- Pressure type: gauge pressure • Volt-level output
- Pressure media: non-corrosive gas
- On-chip amplification and temp. compensations
- Pre-calibration of offset voltage and span
- 1/8" diameter tubing is applicable
- Size: .55"L x .47"W x .20"H **SALE**



Part No.	Product No.	1	10	100
196103	XFPN-025-KPGRNW1 ..	\$24.95	\$22.45	\$20.21

## 0 to 1.45 PSI Pressure Sensor

- Typical full scale span @ 35mV: 0-10kPa (0-1.45 PSI)
- Maximum pressure (P<sub>MAX</sub>): 75kPa (10.875 PSI)
- Operating volt. (typical): 3VDC @ 6mA
- Applications: air movement control, level indicators, leak detection, robotics and industrial controls • 1/8" diameter tubing applicable
- Size: 0.7"Dia. x 0.78"Thick (with nozzle)



Part No.	Product No.	1	10	100
218827	MPX10GS .....	\$8.99	\$7.99	\$7.19

## Making Sense of Sensors

Choosing proximity switch sensors may seem like a trivial process... but the implications can be crucial to your product's success.

For instance, the maximum distance spec'd between the magnet and sensor may significantly affect a product's performance. Too great a distance and a burglar can defeat an alarm trigger. Too little a distance and the installer cannot adequately position the components.

Make sure you fully understand your application, the users and those that benefit from the product. Then make sure you spec your equipment to best meet their needs. At the end of the day, your business will benefit.

## Practical Practices

Money Saving Tips for the Engineer



◆ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 1.](#)

Color Code Legend  
 New **Sale** **Lower\$** **QtySave**

## Inductive Proximity Switch Sensors

Cylindrical and Square Styles

- Operating voltage range: 10-30VDC
- Nominal operating voltage: 12VDC
- Normally open output
- Switching frequency: 1.5kHz
- Current consumption: 10mA max.
- Sensing target: inductive type – magnetic metal
- Sensing distance: ±10% (tin)
- Short circuit protected
- Pre-tinned pigtail

**Quantity SAVE**



Part No.	Product No.	Output Circuit	Effec. Dist. (Iron)	Standard Target (Iron) (mm)	Size ("L" x Dia.)	Mounting Hole (in.)	Pricing		
							1	10	25
155547	S18-05N-1	NPN	0-4.0mm	18 x 18 x 1	1.4"Lx1.4"Wx0.7"H	0.112	\$9.95	\$8.95	\$7.95
167020	TS12-02N-1	NPN	0-1.6mm	12 x 12 x 1	1.8" x 0.46"	0.46	20.65	18.61	16.75
248858	TS12-02P-1	PNP	0-1.6mm	12 x 12 x 1	1.8" x 0.46"	0.46	19.99	17.99	15.99
155571	TS18-05N-1	NPN	0-4.0mm	18 x 18 x 1	1.6" x 0.70"	0.70	24.95	21.21	<b>15.91</b>
421147	CS12-02N-1	NPN	0-1.6mm	12 x 12 x 1	2.2" x 0.83"	0.67	24.69	20.99	<b>15.74</b>
421155	CS12-05N-1	NPN	0-0.4mm	12 x 12 x 1	2.4" x 0.88"	0.67	25.25	21.46	<b>16.10</b>
421163	CS18-05N-1	NPN	0-0.4mm	18 x 18 x 1	2.1" x 1.10"	0.95	30.95	26.31	<b>19.73</b>
421171	CS18-08N-1	NPN	0-6.4mm	18 x 18 x 1	2.4" x 1.10"	0.95	31.29	26.60	<b>19.95</b>
421180	CS30-10N-1	NPN	0-12mm	30 x 30 x 1	2.3" x 1.40"	1.40	34.95	29.71	<b>22.28</b>
421198	CS30-15N-1	—	0-12mm	30 x 30 x 1	2.7" x 1.40"	1.40	42.09	35.78	<b>26.84</b>
421201	TS12-05N-1	NPN	0-4.0mm	12 x 12 x 1	2.5" x 0.80"	0.66	21.45	18.23	<b>13.67</b>
421219	TS18-08N-1	NPN	0-6.4mm	18 x 18 x 1	2.4" x 1.10"	0.94	26.95	22.91	<b>17.18</b>
421227	TS30-10N-1	NPN	0-8.0mm	30 x 30 x 1	2.4" x 1.40"	1.40	36.29	32.66	<b>24.50</b>
421235	TS30-15N-1	NPN	0-12mm	30 x 30 x 1	2.7" x 1.40"	1.40	40.85	36.77	<b>33.09</b>
421243	S17-05N-1	NPN	0-4.0mm	17 x 17 x 1	1.1" x 0.66"	0.98	14.95	13.45	<b>12.10</b>
421251	S25-07N-1	NPN	0-5.6mm	25 x 25 x 1	1.4" x 1.50"	0.98	24.75	21.04	<b>15.78</b>

### Photo Electric Sensors

Part No.	Product No.	Output Circuit	Effec. Dist.	Standard Target	Size	Mounting Hole	1	10	25
421260	WE-T3AD	NPN	0-5.0m	≥8mm Dia.	2.6" x 0.708"	.710	\$73.35	\$62.35	<b>\$46.76</b>
421278	WE-M3D	NPN	0-2.0m	>10-40mm Dia.	2.6" x 0.708"	.710	50.95	43.31	<b>32.48</b>
421286	WE-R3AL	NPN	0-200mm	—	2.6" x 0.708"	.710	49.19	41.81	<b>31.36</b>
421294	WE-R3BL	NPN	0-80mm	15-44mm	2.6" x 0.708"	.710	49.19	41.81	<b>31.36</b>
421307	WE-U3L	NPN	10-30mm	18-22mm	2.6" x 0.708"	.710	54.19	46.06	<b>34.55</b>

\* Dark-on † Light-on



## Magnetic Proximity Switch Sensors

- Contact rating: 3W max. @ 30VDC or 0.3A max. @ 30VAC
- Contact form: SPST NO
- Contact resistance: 100mΩ max. initial
- Operating temperature: -40°C to 100°C
- Dielectric strength: 200VDC min.
- Mechanical & electrical life: 10 million operations
- Housing/spacer/cover: ABS plastic (UL94V-0), white
- Reed switch: rhodium coated, hermetically sealed, nitrogen filled glass capsule
- Potting: epoxy
- Wire leads: UL1060 22AWG stranded wire, stripped, 12"L white
- Adhesive mounting: (MPS45WGW only) – foam backed, pressure sensitive



Part No.	Product No.	Description	1	10	100
588131	MPS45WGW	Subminiature surface mount, side exit leads, 1" make gap .....	\$9.25	\$8.48	\$7.78
588123	MPS20WGW	Standard surface mount, screw terminals, 1 1/4" make gap .....	10.59	9.85	9.80
588182	MPS9WGW	3/8" diameter panel mount, recessed magnetic contact, 1 1/2" make gap (switch and magnet) .....	8.35	7.64	7.35
588174	MPS95WGW	3/8" diameter panel mount, recessed magnetic contact, 1 1/2" make gap (switch) .....	7.45	6.78	5.82
588140	MPS70WGW	3/4" diameter panel mount, recessed magnetic contact, 1 1/2" make gap (switch and magnet) .....	8.95	8.20	7.03