



Side-Mount Liquid Level Switches

These encapsulated, dry contact reed switches can deliver more than 5 million switching cycles at rated electrical loads, and are suitable for controlling relays, PLC's, or other low power devices. You can set switches for High or Low alarm points, or Pump Up to Pump Down operation when mounted into the side of a vessel or tank. Also can be mounted outside of a vessel or tank using an NPT coupling, or from the inside using a bulkhead fitting (UNC/UNF) and gasket. Models with dual NPT threads are indicated in the table with the mounting thread first (outside mount). Most switches can be set Normally Open or Normally Closed by rotating them 180°.

Tank Connection Size	VA Rating	Operating Temp. Range	Max. Pressure	Switch Function	Overall Length	Float Material	Float Length	Float Dia.	Stem Material	Stem Length	Mfr. Model	Item No.
1/8 in NPT	30	392°F Max.	50 psi	Close On Rise	5.12 in	Stainless Steel	1.0 in	1.54 in	Stainless Steel	2.74 in	M3827-3NO	2ZY23
1/8 in NPT	30	392°F Max.	50 psi	Open On Rise	5.12 in	Stainless Steel	1.0 in	1.54 in	Stainless Steel	3.5 in	M3827-3	2ZY22
1/4 in x 1/2 in NPT	30	221°F Max.	100 psi	Selectable	3.7 in	Polypropylene	1.75 in	1.0 in	Polypropylene	2.75 in	M8710	2ZY34
1/4 in x 1/2 in NPT	30	392°F Max.	300 psi	Selectable	4.6 in	Stainless Steel	2.0 in	0.63 in	Stainless Steel	4.6 in	M5910	2ZY26 †
3/8 in - 16 UNF	15	221°F Max.	50 psi	Selectable	1.85 in	Polypropylene	0.63 in	0.58 in	Polypropylene	1.24 in	M3326-SM	11K182
3/8 in - 24 UNF	30	221°F Max.	100 psi	Selectable	2.96 in	Polypropylene	1.0 in	1.0 in	Stainless Steel	2.96 in	M58010	5DYD2
3/8 in - 24 UNF	30	221°F Max.	150 psi	Selectable	2.96 in	Buna N	1.0 in	1.0 in	Brass	2.96 in	M4010	2ZY24
3/8 in - 24 UNF	30	392°F Max.	300 psi	Selectable	2.96 in	Stainless Steel	1.19 in	1.13 in	Stainless Steel	2.96 in	M55010	2ZY40 ‡
3/8 in - 24 UNF	30	392°F Max.	300 psi	Selectable	2.96 in	Stainless Steel	1.19 in	1.13 in	Stainless Steel	2.96 in	M5010	4YM32
1/2 in NPT	30	221°F Max.	100 psi	Selectable	2.75 in	Polypropylene	1.75 in	1.0 in	Polypropylene	2.75 in	M8750	5DYC2
1/2 in NPT	30	266°F Max.	100 psi	Selectable	2.75 in	PBT	2.11 in	0.65 in	PBT	2.75 in	M7750	2ZY31
1/2 in NPT	30	266°F Max.	100 psi	Selectable	2.75 in	PBT	2.11 in	0.65 in	PBT	2.75 in	M7725	2ZY29 *
1/2 in NPT	30	392°F Max.	50 psi	Close On Rise	5.12 in	Stainless Steel	1.0 in	1.54 in	Stainless Steel	2.74 in	M3827-2NO	2ZY21
1/2 in NPT	30	392°F Max.	50 psi	Open On Rise	5.12 in	Stainless Steel	1.0 in	1.54 in	Stainless Steel	3.5 in	M3827-2	2ZY20
1/2 in x 1/2 in NPT	30	392°F Max.	300 psi	Selectable	5.0 in	Stainless Steel	0.75 in	0.65 in	Stainless Steel	5.0 in	M3727	5DYC8
1/2 in x 1/2 in MNPT	30	221°F Max.	100 psi	Selectable	2.75 in	Polypropylene	2.11 in	0.65 in	Polypropylene	2.75 in	M8700	2XC13
1/2 in x 1/2 in NPT	30	266°F Max.	100 psi	Selectable	2.75 in	PBT	2.11 in	0.65 in	PBT	2.75 in	M7700	4YM36
1/2 in x 1/2 in NPT	30	221°F Max.	100 psi	Selectable	2.75 in	Kynar	2.11 in	0.65 in	Kynar	2.75 in	M9700	2ZY36
1/2 in x 1/2 in NPT	30	392°F Max.	300 psi	Selectable	4.6 in	Stainless Steel	0.75 in	0.13 in	Stainless Steel	4.6 in	M5920	4YM34 †
1/2 in x 3/4 in NPT	30	221°F Max.	100 psi	Selectable	2.25 in	Polypropylene	2.06 in	0.5 in	Polypropylene	2.25 in	M8700-C	2ZY93
1/2 in x 1 in NPT	30	221°F Max.	100 psi	Selectable	4.0 in	Kynar	2.11 in	0.65 in	Kynar	2.84 in	M9705	2ZY37 ‡
1/2 in x 1 in NPT	30	392°F Max.	300 psi	Selectable	4.0 in	Polypropylene	1.75 in	1.0 in	Polypropylene	2.96 in	M8705	2ZY33 ‡
1/2 in x 1 in NPT	30	392°F Max.	300 psi	Selectable	4.6 in	Stainless Steel	2.0 in	0.63 in	Stainless Steel	4.6 in	M5900	2ZY25 †
1/2 in - 13 UNC	30	221°F Max.	100 psi	Selectable	3.19 in	Polypropylene	1.0 in	1.0 in	Polypropylene	3.19 in	M5970	2ZY28 †
3/8 in - 11 UNC	30	221°F Max.	100 psi	Selectable	4.02 in	Polypropylene	1.75 in	1.0 in	Polypropylene	2.96 in	M8790	4YM37
3/8 in - 11 UNC	30	221°F Max.	100 psi	Selectable	4.02 in	Polypropylene	1.75 in	1.0 in	Polypropylene	3.31 in	M8790-14/4184	2ZY83
3/8 in - 11 UNC	30	266°F Max.	100 psi	Selectable	4.02 in	PBT	2.11 in	0.65 in	PBT	2.96 in	M7790	2ZY32
1 in NPT	100	221°F Max.	100 psi	Selectable	4.43 in	Buna N	3.0 in	0.92 in	Buna N	4.43 in	M4190-BU	2ZY86
1 in NPT	100	302°F Max.	150 psi	Selectable	5.81 in	Stainless Steel	4.0 in	1.0 in	Stainless Steel	5.81 in	M4190	2ZY84
1 in NPT	100	302°F Max.	900 psi	Selectable	3.98 in	Stainless Steel	2.04 in	2.04 in	Stainless Steel	3.98 in	M4190-HP	2ZY85
1 1/2 in NPT	200	257°F Max.	100 psi	Selectable	5.5 in	Stainless Steel	3.0 in	1.5 in	Stainless Steel	5.5 in	M4065	2ZY92
—	60	221°F Max.	100 psi	Selectable	3.89 in	Polypropylene	2.0 in	1.5 in	Polypropylene	2.5 in	MSB8800	2ZY48 **

* 1/4" spade connector. † Rated explosion-resistant. ‡ Includes slosh shield. ** Vertical open tank mounting.



Leak Detection and Alarm/Shutoff Systems

■ Temp. range: 14° to 112°F

Initiate an audio alarm and automatically shut off water flow when leak is detected, except 11K230 and 11K231 have an audio alarm only. Excellent for dwellings that may be unoccupied for days or weeks. 120VAC, except 11K230 is 9VDC. All have a 12-ft. power cord and an 8-ft. sensor cord.

11K221 is for use with water tanks and water heater tanks. 11K230 and 11K231 are for use with beakers, dishwashers, frozen pipes, leaky drains, sinks, sump pumps, and tabletop containers.

Item	Pipe Size - Valves	Max. Pressure	No. of Sensors	Mfr. Model	Item No.
Water Heater Leak Detection and Alarm Shutoff System	3/4 in	80 psi	1	RS-094-3/4	11K221
Detection and Alarm Shutoff System	1/2 in x 3/4 in	80 psi	1	RS-090-E	490W99
Battery Operated Audible Water Alarm System	—	—	1	RS-095	11K230
Audible Water Alarm with Security System Tie In	—	—	1	RS-096	11K231



FLOWLINE Level Controllers

■ Temp. range: -40° to 149°F, except 12U422 is -40° to 158°F

Use with an ultrasonic or pressure level transmitter to provide the liquid level in a tank or sump container. Can provide local relay control, or transmit output signal to another device or controller. Easy-to-read display is simple to configure with push-button display module. Nonvolatile memory. LED display. 1/2 DIN panel mount, except 12U422 is 35mm DIN rail. Polycarbonate enclosure, except 12U422 is polypropylene. NEMA 4X (IP65) rated faceplate, except 12U422. Models include 4-20mA repeater, except 12U424.

No. of Digits	Source Voltage	Input	Contact Type	Relays	Std.	Mfr. Model	Item No.
4	120/240 V AC	—	SPDT	2	EN 50 022	LC52-1001	12U422
—	85 to 265V AC	115V AC	SPDT	6	508, CE, cULus, E160849, UL Listed	LI55-1001	12U424
6	85 to 265V AC	115V AC	SPDT	2	508, CE, cULus, E160849, UL Listed	LI55-1211	12U425
—	85 to 265V AC	115V AC	SPDT	4	508, CE, cULus, E160849, UL Listed	LI55-1411	12U426



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