



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 UNC | 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 | MS8010 | 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 | MS5010 | 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 NPT | 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 | 221°F Max. | 100 psi | Selectable | 3.19 in | Stainless Steel | 1.0 in | 1.0 in | Stainless Steel | 4.6 in | M5900 | 2ZY25 ‡ |
| 1/2 in - 13 UNC | 30 | 392°F Max. | 100 psi | Selectable | 4.02 in | Polypropylene | 1.75 in | 1.0 in | Polypropylene | 2.96 in | M8790 | 2ZY28 |
| 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 | 4YM37 |
| 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 |
| Water Detection System | — | — | 1 | RS-095 | 11K230 |
| Water Detection System | — | — | 1 | RS-096 | 11K231 |
| Detection and Alarm Shutoff System | 1/2 in x 3/4 in | 80 psi | 1 | RS-090-E | 490W99 |

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 | 120/240V AC | — | SPDT | 2 | EN 5022 | 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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