Madison
Sensing Solutions since 1959

Vertical-Mount Liquid Level Switches

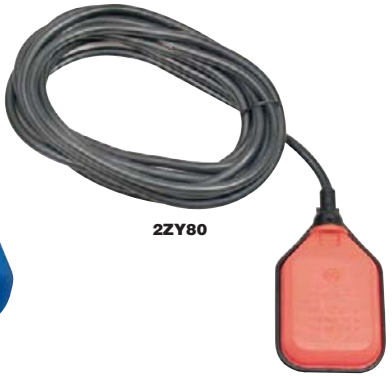
These float switches mount in the top and/or bottom of a tank or vessel to actuate High/Low alarms, control relays, PLC's, or other low power devices. Encapsulated, magnetic dry contact reed switches can deliver more than 5 million switching cycles at rated electrical loads.

On select models, operation can be changed to be Normally Closed or Normally Open (dry, empty tank conditions) by removing and flipping the floats.

During installation, Adjustable Vertical models can be set lower by up to 2", or higher by up to 69".

Item	Tank Connection Size	VA Rating	Operating Temp. Range	Max. Pressure (psi)	Switch Function	Overall Length	Float Material	Float Length	Float Dia.	Stem Material	Stem Length	Mfr. Model	Item No.
Vertical Open Tank													
Drum Liquid Level Switch	¾ in NPT	30	221°F Max	150	Open On Rise	32.94 in	Buna N	1.25 in	0.9 in	Brass	32.0 in	M4168-2	**2ZY50**
		30	221°F Max	150	Selectable	32.94 in	Buna N	1.25 in	0.9 in	Brass	32.0 in	M4168-3	**2ZY51**
		30	302°F Max	150	Close On Rise	2.94 in	Stainless Steel	1.59 in	0.9 in	Stainless Steel	2.0 in	M4169-1	**2ZY52**
		30	302°F Max	150	Open On Rise	32.94 in	Stainless Steel	1.59 in	0.9 in	Stainless Steel	32.0 in	M4169-2	**2ZY53**
		30	302°F Max	150	Selectable	32.94 in	Stainless Steel	1.59 in	0.9 in	Stainless Steel	32.0 in	M4169-3	**2ZY54**
Liquid Level Switch	—	30	221°F Max	50	Open On Rise	4.06 in	Buna N	1.0 in	1.0 in	Brass	4.06 in	M3782	**11K183**
	⅛ in NPT	15	221°F Max	50	Open On Rise	1.85 in	Polypropylene	0.63 in	0.58 in	Polypropylene	1.25 in	M3326-NPT	**5DYC4**
		15	221°F Max	50	Close On Rise	1.85 in	Polypropylene	0.63 in	0.58 in	Polypropylene	1.25 in	M3326-NPT-NO	**5DYC3**
		15	221°F Max	100	Open On Rise	1.41 in	Polypropylene	0.44 in	0.78 in	Stainless Steel	0.75 in	M4035	**5DYC6**
		30	221°F Max	15	Selectable	2.25 in	Kynar	1.0 in	1.0 in	Kynar	1.63 in	M9000	**2ZY35**
		30	221°F Max	15	Selectable	2.25 in	Kynar	1.0 in	1.0 in	Kynar	1.63 in	MS9000	**2ZY45**
		30	221°F Max	100	Selectable	2.25 in	Polypropylene	1.0 in	1.0 in	Polypropylene	1.63 in	M8000	**2A554**
		30	221°F Max	100	Close On Rise	2.25 in	Polypropylene	1.0 in	1.0 in	Polypropylene	1.63 in	M8000-NO	**5DYC9**
		30	221°F Max	100	Selectable	2.25 in	Polypropylene	1.0 in	1.0 in	Polypropylene	1.63 in	MS8000	**2ZY43** ‡
		30	221°F Max	150	Selectable	2.25 in	Buna N	1.0 in	1.0 in	PBT	1.63 in	M7000	**4YM35**
		30	221°F Max	150	Selectable	2.25 in	Buna N	1.0 in	1.0 in	PBT	1.63 in	MS7000	**2ZY42** ‡
		30	392°F Max	300	Selectable	2.25 in	Stainless Steel	1.19 in	1.13 in	Stainless Steel	1.63 in	M5000	**4YM31**
	¼ in NPT	60	221°F Max	100	Selectable	3.38 in	Polypropylene	2.0 in	1.5 in	Polypropylene	2.63 in	M8800	**2A552**
		60	221°F Max	100	Selectable	3.38 in	Polypropylene	2.0 in	1.5 in	Polypropylene	2.63 in	MS8800	**2ZY44**
		60	221°F Max	150	Selectable	3.38 in	Buna N	2.0 in	1.25 in	Brass	2.63 in	M4300	**2A553**
		60	392°F Max	200	Selectable	3.38 in	Stainless Steel	2.0 in	2.13 in	Stainless Steel	2.63 in	M5600	**2A551** †
		60	482°F Max	200	Selectable	3.52 in	Stainless Steel	2.1 in	2.13 in	Stainless Steel	2.63 in	M5917	**2ZY27**
		60	482°F Max	200	Selectable	3.38 in	Stainless Steel	2.0 in	2.13 in	Stainless Steel	2.63 in	MS5917	**2ZY41** ‡
		100	221°F Max	100	Open On Rise	3.38 in	Polypropylene	2.0 in	1.5 in	Polypropylene	3.38 in	M8800-PR	**5DYD1**
		100	392°F Max	500	Selectable	3.38 in	Stainless Steel	2.0 in	2.0 in	Stainless Steel	2.63 in	M5600-PR	**4YM33**
	⅜ in -16 UNC	15	221°F Max	50	Open On Rise	1.85 in	Polypropylene	0.63 in	0.58 in	Polypropylene	1.25 in	M3326	**4YM29**
		15	221°F Max	50	Close On Rise	1.85 in	Polypropylene	0.63 in	0.58 in	Polypropylene	1.25 in	M3326-NO	**4YM30**
		30	221°F Max	100	Selectable	2.25 in	Polypropylene	1.0 in	1.0 in	Polypropylene	1.63 in	M8000B	**5DYC7**
	¾ in PVC Pipe	30	140°F Max	50	Open On Rise	1.99 in	Polypropylene	0.75 in	0.88 in	PVC	1.55 in	M8000-C	**2ZY91**
	2 in NPT	60	221°F Max	150	Selectable	12.0 in	Buna N	2.0 in	1.25 in	Brass	10.5 in	M4302-7807-1	**2ZY87**
		60	221°F Max	150	Selectable	72.0 in	Buna N	2.0 in	1.25 in	Brass	70.5 in	M4302-7807-6	**2ZY88**
		60	392°F Max	200	Selectable	12.0 in	Stainless Steel	2.0 in	2.13 in	Stainless Steel	10.5 in	M5602-7808-1	**2ZY89**
		60	392°F Max	200	Selectable	72.0 in	Stainless Steel	2.0 in	2.13 in	Stainless Steel	70.5 in	M5602-7808-6	**2ZY90**
Multi-Level Liquid Level Switch	¼ in NPT	30	221°F Max	100	Open On Rise	7.5 in	Polypropylene	1.0 in	1.0 in	Polypropylene	6.75 in	M8085	**3VU46**
	½ in NPT	60	392°F Max	200	Open On Rise	8.25 in	Stainless Steel	2.0 in	2.13 in	Stainless Steel	7.25 in	M5605	**3AY51**
	2 in NPT	60	221°F Max	100	Selectable	46 in	Polypropylene	2.0 in	1.5 in	Polypropylene	Adjustable	ML8888	**3VU49**
		60	221°F Max	150	Selectable	46 in	Buna N	2.0 in	1.25 in	Brass	Adjustable	ML4444	**3VU48**
		60	392°F Max	200	Selectable	46 in	Stainless Steel	2.0 in	2.13 in	Stainless Steel	Adjustable	ML5555	**3VU47**
Ultra Low Level Liquid Switch	⅛ in NPT	30	221°F Max	25	Open On Rise	2.25 in	Polypropylene	1.16 in	1.88 in	Polypropylene	1.63 in	M8000-ULL-NC	**2ZY74**
		30	221°F Max	25	Close On Rise	2.25 in	Polypropylene	1.16 in	1.88 in	Polypropylene	1.63 in	M8000-ULL-NO	**2ZY75**
		30	221°F Max	25	Open On Rise	2.25 in	Polypropylene	1.16 in	1.88 in	Stainless Steel	1.63 in	M8020-ULL-NC	**2ZY76**
		30	221°F Max	25	Close On Rise	2.25 in	Polypropylene	1.16 in	1.88 in	Stainless Steel	1.63 in	M8020-ULL-NO	**2ZY77**
		30	221°F Max	25	Close On Rise	2.25 in	Buna N	1.16 in	1.88 in	PBT	1.63 in	M7000-ULL-NO	**2ZY63**
		30	221°F Max	25	Open On Rise	2.25 in	Buna N	1.16 in	1.88 in	Stainless Steel	1.63 in	M4400-ULL-NC	**2ZY60**
		30	221°F Max	25	Close On Rise	2.25 in	Buna N	1.16 in	1.88 in	Stainless Steel	1.63 in	M4400-ULL-NO	**2ZY61**
		30	221°F Max	25	Close On Rise	2.25 in	Buna N	1.16 in	1.88 in	Brass	1.63 in	M4500-ULL-NO	**2ZY65**
Vertical													
Industrial Continuous Level Transmitter	—	—	—	100	—	20 22/25 in	Polypropylene	2 in	1 ½ in	316 Stainless Steel	18 5⁄8 in	C4651-12802	**54JJ30**

† Rated explosion-resistant. ‡ Includes slosh shield.



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Sensing Solutions since 1959

Tethered-Mount Liquid Level Switches

Switches are designed to provide inexpensive, efficient, reliable level detection in large open vessels, water tanks, reservoirs, sumps, and ponds. A microswitch inside a molded polypropylene float detects fluid level change and generates a Start/Stop, Open/Close, or alarm actuation signal. Paddle-shape 2ZY80, oval-shape 11K185, and bulb-shape 11K187 and 11K188 have a contact rating of 16A at 250V. 6½-ft. cable, except 11K188 cable is 32½ ft. long.

VA Rating	Max. Liquid Temp.	Max. Pressure (psi)	Float Switch Contact Form	Overall Length (in.)	Float Material	Float Length (in.)	Float Dia. (in.)	Mfr. Model	Item No.
8A	158 °F	14.7	SPDT	5.63	Polypropylene	5.63	—	M4546	**11K185**
8A	158 °F	14.7	SPDT	6.5	Polypropylene	6.50	4	M4548	**11K187**
16A	—	14.7	SPDT	5.95	Polypropylene	5.95	—	M4189	**2ZY80**
16A	158 °F	14.7	SPDT	6.5	Polypropylene	6	4	M4549	**11K188**