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Stainless Steel Side-Mounted Float Switches

Madison Company offers a complete line of Standard and Configured (slightly modified Standard designs) models. These products continue to meet the needs of applications in many markets, at competitive prices. In addition, Madison Company offers the capability to design specific liquid level switches for OEM applications that require unique considerations in materials, configurations and system interfacing.

Engineered designs incorporate more than 45 years of experience in liquid level switch applications in a variety of environments and installation configurations. High reliability of the magnetic reed switch technology assures repeatability at an economical price. Our design experience and flexible manufacturing techniques also offer customers many value-added design and assembly options to reduce their product cost.



Features

- Single-point
- Magnetic reed switch technology
- High reliability
- Wide selection of available materials
- Three basic sizes: full, miniature and subminiature
- Direct interface to controllers available Each style switch is equipped with a means to identify which type of operation to which the switch is set.

Vertical: NO/NC operation is indicated by the position of the witness mark (stainless steel models) or magnets (plastic models). NO is indicated by circle up (stainless steel) or magnets down plastic); NC is indicated by circle down (stainless steel) or magnets up (plastic).

Horizontal: NO/NC operation is indicated by the direction of the arrow on the hex. NO is indicated by arrow up; NC is indicated by arrow down. An ohmmeter or continuity meter can be used to verify the switch setting and operation. Simply connect the meter to the leads and, with the float hanging down away from the fitting, measure the switch. If the meter reads a short, then the switch is normally closed and will open on rise.

All switches are shipped in the Normally Closed (NC) position, unless otherwise specified. To change the contact operation, simply remove the retaining ring and float and reverse the float on the stem. The only exception to this is the subminiature switch (M3326/M3326-NO), for which operation must be specified when ordered, since the float is not reversible on this switch.

Results 1 - 14 of 14

| Item # | Type | Stem Material | Float Material | Max. Temperature | Fittings | Nominal Current Rating(s) | Float SG | Max. Pressure |
|---------|---------------------------------------|---------------------|---------------------|------------------|---------------------|---------------------------|----------|---------------------|
| M5900 | Side-Mounted Switch | 316 Stainless Steel | 316 Stainless Steel | 200 °C | 1" NPT x 1/2" NPT | 30 VA SPST Switch | 0.60 | 300 psig 20 bar |
| M5910 | Side-Mounted Switch | 316 Stainless Steel | 316 Stainless Steel | 200 °C | 1/2" NPT x 1/4" NPT | 30 VA SPST Switch | 0.60 | 300 psig |
| M5920 | Side-Mounted Switch | 316 Stainless Steel | 316 Stainless Steel | 200 °C | 1/2" NPT x 1/2" NPT | 30 VA SPST Switch | 0.60 | 300 psig |
| M5970 | Side-Mounted Switch | 316 Stainless Steel | 316 Stainless Steel | 200 °C | 1/2-13 Bulkhead | 30 VA SPST Switch | 0.70 | 100 psig 6 bar |
| M5010 | Side-Mounted Switch | 316 Stainless Steel | 316 Stainless Steel | 200 °C | 3/8-24 Bulkhead | 30 VA SPST Switch | 0.70 | 300 psig |
| M4214 | Side-Mounted Switch | 316 Stainless Steel | 304 Stainless Steel | 150 °C | N/A | 30 VA SPST Switch | 0.50 | 50 psig 3.45 bar |
| MS5010 | Side-Mounted Switch with Slosh Shield | 316 Stainless Steel | 316 Stainless Steel | 200 °C | 3/8-24 Bulkhead | 30 VA SPST Switch | 0.70 | 300 psig |
| M3827-1 | Side-Mounted Switch | 316 Stainless Steel | 316 Stainless Steel | 200 °C 392 °F | 1/2-13 Bulkhead | 30 VA SPST Switch | 0.60 | 50 psig 3 bar |

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|-----------|---------------------|---------------------|---------------------|------------------|-----------------|-------------------|------|------------------|
| M3827-2 | Side-Mounted Switch | 316 Stainless Steel | 316 Stainless Steel | 200 °C 392 °F | 1/2" NPT | 30 VA SPST Switch | 0.60 | 50 psig |
| M3827-3 | Side-Mounted Switch | 316 Stainless Steel | 316 Stainless Steel | 200 °C 392 °F | 1/8" NPT | 30 VA SPST Switch | 0.60 | 50 psig |
| M3827-1NO | Side-Mounted Switch | 316 Stainless Steel | 316 Stainless Steel | 200 °C 392 °F | 1/2-13 Bulkhead | 30 VA SPST Switch | 0.60 | 50 psig 3 bar |
| M3827-2NO | Side-Mounted Switch | 316 Stainless Steel | 316 Stainless Steel | 200 °C 392 °F | 1/2" NPT | 30 VA SPST Switch | 0.60 | 50 psig |
| M3827-3NO | Side-Mounted Switch | 316 Stainless Steel | 316 Stainless Steel | 200 °C 392 °F | 1/8" NPT | 30 VA SPST Switch | 0.60 | 50 psig |
| M4249 | Side-Mounted Switch | 316 Stainless Steel | 316 Stainless Steel | 250 °C | N/A | 60 VA SPST Switch | 0.55 | 300 psig |

Results 1 - 14 of 14