## Series

 F7-MS
## Mult-Station Level Switch

Customize To Fit Appicicaion, Up to Six 316 SS or Bua-N Foats


Customize level switches to meet application requirements Switches can be configured with up to six different control points and stem lengths up to 140 inches ( 3.56 m ).
Stems and floats are available in 316 SS or brass.

Models are built to your specifications


## SPECIFICATIONS

Service: Compatible liquids.
Wetted Materials: Stem, connection, and float.
Temperature Limits: Buna-N floats: $180^{\circ} \mathrm{F}\left(82.2^{\circ} \mathrm{C}\right)$ in water, -40 to $230^{\circ} \mathrm{F}(-40$ to $110^{\circ} \mathrm{C}$ ) in oil; SS floats: -40 to $300^{\circ} \mathrm{F}\left(-40\right.$ to $\left.148.9^{\circ} \mathrm{C}\right)$.
Wire Leads: $24^{\prime \prime}(61 \mathrm{~cm}$ ) free leads; \#22 AWG, TFE jacketed, and \#18 AWG Polymeric.
Mounting Orientation: Vertical $\pm 30^{\circ}$.

| Example |  | F7-MS | B | 1 | 5 | F3 | 1 |  |  | J | F7-MSB1-5F31-04.00-07.00-11.00-15.00-20.00-24.00-J |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Construction |  | F7-MS |  |  |  |  |  |  |  |  | Multi-station level, 1 to 6 switch points |
| Stem \& Connection Material |  |  | B |  |  |  |  |  |  |  | Brass with Beryllium copper stops 316SS with SS ARMCO PH-15-7MO stops |
| Connection Type |  |  |  | $\begin{aligned} & 1 \\ & 2 \\ & 3 \\ & 4 \\ & 5 \end{aligned}$ |  |  |  |  |  |  | 1/2" NPT (Float F2, F3 only) <br> 1-1/4" NPT (Float F1 only) <br> 2" NPT <br> 3" 150\# Flange Carbon Steel (Conn. material S only, float F2, F3 only) [Max. pres. 150 psi (10.3 bar)] <br> 3" 150\# Flange 316SS (Conn. material S only, float F2, F3 only) [Max. pres. 150 psi ( 10.3 bar)] |
| Switch Points |  |  |  |  | \# |  |  |  |  |  | Put 1 to 6 for the number of switch points desired |
| Float Type |  |  |  |  |  | $\begin{aligned} & \text { F1 } \\ & \text { F2 } \\ & \text { F3 } \\ & \hline \end{aligned}$ |  |  |  |  | Buna-N, min. s.g. $0.75,150 \mathrm{psi}(10.3 \mathrm{bar})$ max. pres. Buna-N, min. s.g. $0.55,150 \mathrm{psi}$ (10.3 bar) max. pres. 316SS, min. s.g. 0.75, 750 psi (51.7 bar) max. pres. |
| Switch Type |  |  |  |  |  |  | 1 2 3 |  |  |  | SPST, .17A @ 120 VAC, .08A @ 240 VAC, $.13 \mathrm{~A} @ 120$ VDC, . 06A @ 240 VDC <br> SPST,.8A @ 120 VAC,.4A @ 240 VAC <br> SPDT, .17A @ 120 VAC, .08A @ 240 VAC, $.13 \mathrm{~A} @ 120$ VDC, .06A @ 240 VDC <br> NO switch is standard. For NC place an "*" after the corresponding set point distance in the model number. |
| Set Point Distance | $\begin{aligned} & \mathrm{L} 6 \\ & \mathrm{L5} \\ & \mathrm{~L} 4 \\ & \mathrm{~L} 3 \\ & \mathrm{~L} 2 \\ & \mathrm{~L} \end{aligned}$ |  |  |  |  |  |  | $\begin{aligned} & 00.00 \\ & 00.00 \\ & 00.00 \\ & 00.00 \\ & 00.00 \\ & 00.00 \end{aligned}$ |  |  | In inches referenced from bottom of connection. <br> Repeat for each switch point with dashes in between. <br> No numbers needed beyond the number of switches specified. In inches for example 12.25 would be 12.25 " from the bottom of the process connection. |
| Overall Length | L0 |  |  |  |  |  |  |  | 00.00 |  | Minimum length is L1+D. Maximum length with Connection Type 1: $36^{\prime \prime}(91.4 \mathrm{~cm})$, Type 2: 60" ( 152.4 cm ), and Types 3, 4, 5: 140" (355.6 cm). |
| Options |  |  |  |  |  |  |  |  |  | J | Junction box for wire leads, NEMA 4 (Not available with Connection Type 1) |

