

LEVEL & LEAK DETECTION



FLOAT LEVEL SWITCHES F7 SERIES



DESCRIPTION

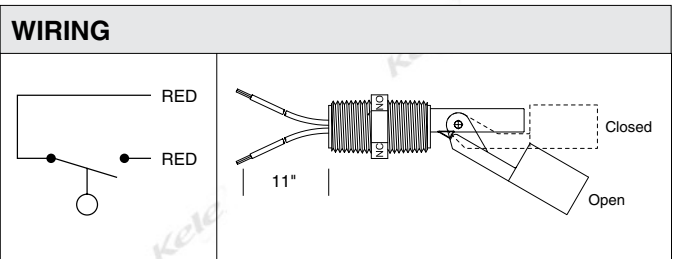
The **Solutions with Innovation F-7 Series** float level switches provide an economical solution to monitoring liquid levels in tanks and other vessels. Magnets within the float actuate the hermetically sealed reed switch on rising or falling levels. Switches are available in horizontal or vertical mounting configurations. Vertical floats are shipped in the normally open position. The switch action can easily be reversed by removing the float, rotating it 180° (end-to-end), and replacing the float on the stem. The operation of the horizontal floats can be changed by rotating the entire switch 180°.

FEATURES

- **Low cost**
- **50 VA SPST switch operation (120-240 VAC)**
- **Hermetically sealed**
- **Easy installation**
- **Vertical or horizontal mounting**
- **UL File E203716**

APPLICATION

- **Condensate vessels**
- **Storage tanks**
- **Humidifiers and de-humidifiers**
- **Chemical storage**
- **Chillers**



F7-BT



F7-HIP



F7-HPP



F7-HSS



F7-LL



F7-SS



F7-PS



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SPECIFICATIONS

Model Number	Material (stem/ float)	Specific Gravity	Temperature Limits	Operating Pressure	Installation	Mounting Connection	Dimensions	Weight
F7-BT	PS/Buna-N	0.75	-40° to 180°F (-40° to 82°C)	150 psig	Vertical	1/8" NPT	2.21"L Ø x 1.0"	0.1 lb (0.05kg)
F7-PS	PS/PS	0.65	-40° to 225°F (-40° to 107°C)	50 psig	Vertical	1/8" NPT	2.21"L Ø x 1.0"	0.1 lb (0.05kg)
F7-SS	SS/SS	0.90	-40° to 300°F (-40° to 149°C)	300 psig	Vertical	1/8" NPT	2.06"L Ø x 1.0"	0.2 lb (0.09kg)
F7-LL	PS/Buna-N	0.75	-40° to 180°F (-40° to 82°C)	150 psig	Vertical	1/8" NPT	1.62"L Ø x 1.13"	0.09 lb (0.04kg)
F7-HPP	PP/PP	0.80	-40° to 150°F (-40° to 66°C)	100 psig	Horizontal (Ext)	1/2" NPT	4.24"L Ø x 0.69"	0.09 lb (0.04kg)
F7-HIP	PP/PP	0.55	-40° to 150°F (-40° to 66°C)	100 psig	Horizontal (Int)	5/8"-11	3.94"L Ø x 0.69"	0.2 lb (0.09kg)
F7-HSS	SS/SS	0.80	-40° to 300°F (-40° to 149°C)	300 psig	Horizontal (Ext)	1/2" NPT	4.24"L Ø x 0.69"	0.2 lb (0.09kg)

Note: PS = Polysulfone, PP = Polypropylene, SS = 31 Stainless steel.

ORDERING INFORMATION

MODEL	DESCRIPTION
F7-BT	Vertical float switch, Polysulfone stem / Buna-N float
F7-PS	Vertical float switch, Polysulfone stem / Polysulfone float
F7-SS	Vertical float switch, 316 Stainless Steel stem / 316 Stainless Steel float
F7-LL	Vertical low level float switch, Polysulfone stem / Buna-N float
F7-HPP	External horizontal float switch, Polypropylene stem / Polypropylene float
F7-HIP	Internal horizontal float switch, Polypropylene stem / Polypropylene float
F7-HSS	External horizontal float switch, 316 Stainless Steel stem / 316 Stainless Steel float