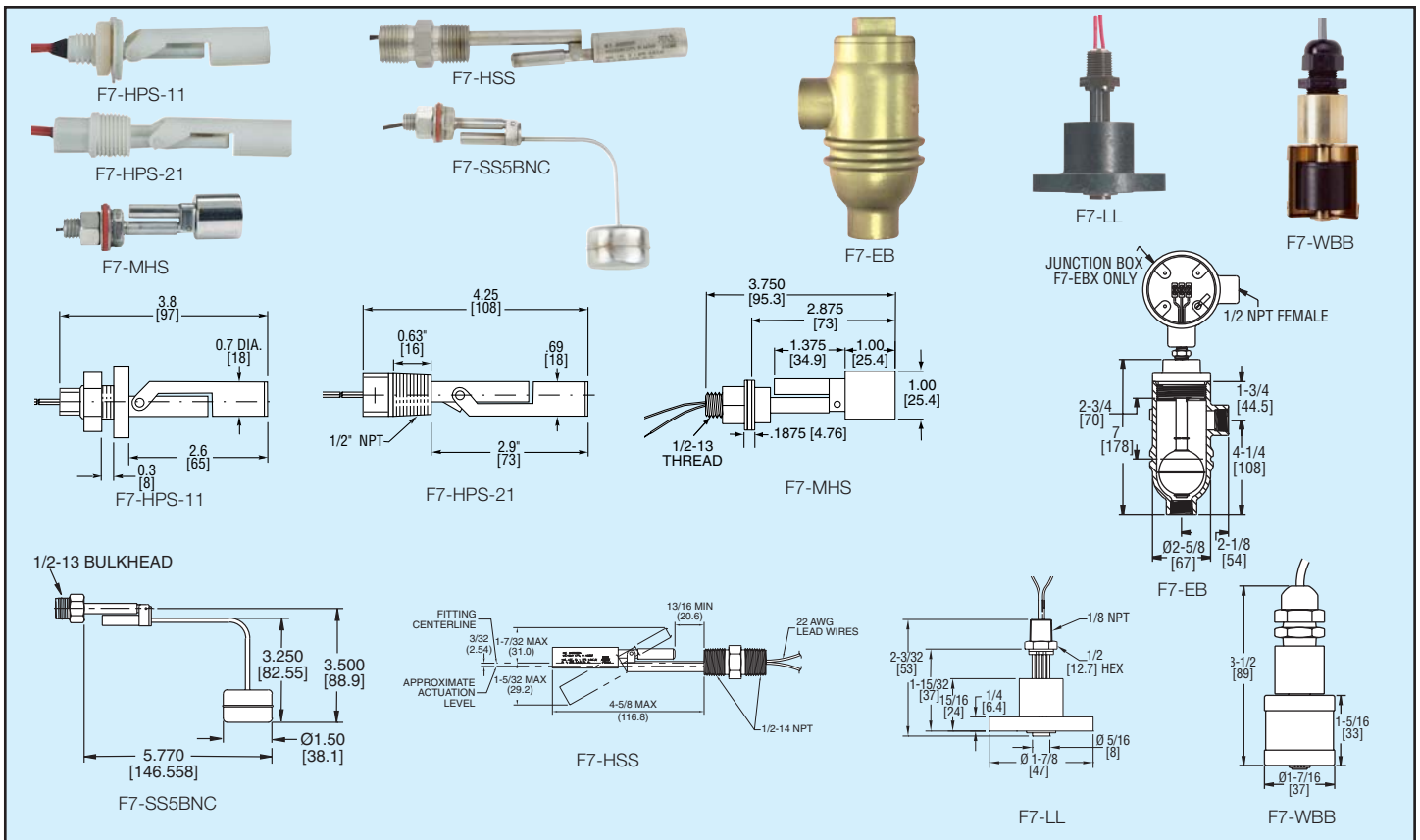




Series F7 Level Switches - Horizontal/Specialty

Low Cost, Hermetically Sealed Contacts



Level

Series F7 Horizontal Mount Level Switches are designed to mount through the walls of tanks and other vessels. Internally mounted models F7-HPS-1, F7-MHS and F7-SS5 are secured to the wall of the tank or vessel from the inside while model F7-HPS-2 is mounted from the outside (externally). Model F7-HSS can be installed internally or externally.

Series F7 Specialty Level Switches are designed for unique applications. Model F7-SS5B/BNC can be used with viscous liquids or liquids with suspended metal particles. Use model F7-LL for low level detection ($\geq 5/8"$). The non-intrusive bottle style F7-EB mounts completely outside the tank at the actuation level. Suspend model F7-WBB in stand pipes or sumps for leak detection or drop into wells for ground-water monitoring.

MODELS - Horizontal Mount Switches

Model Number	Applications	Material Float/Stem	Temp. Limits	Press. Limits	Min. S.G.	Electrical Rating	Wire Leads	Mtg	Weight oz (g)
F7-HPS-11	Water, oils, chemicals NSF approved	Polypropylene/ Polypropylene*	225°F 107°C	100 psig 6.89 bar	0.55	20 VA: 0.08A @ 240VAC	22 AWG, 24" [61 cm]	5/8"-11 thread (int)	1.5 (43)
F7-HPS-21	Water, oils, chemicals NSF approved	Polypropylene/ Polypropylene*	225°F 107°C	100 psig 6.89 bar	0.55	20 VA: 0.08A @ 240VAC	22 AWG, 24" [61 cm]	1/2" NPT (ext)	2 (58)
F7-MHS	High temperatures, corrosives	316 SS/ 316 SS	392°F 200°C	100 psig 6.89 bar	0.70	30 VA: 0.14A @ 220VAC	22 AWG, 24" [61 cm]	1/2"-13 bulk- head (int)	2 (58)
F7-HSS†	High temp/pressure, corrosives, Expl.	316 SS 316 SS	392°F 200°C	300 psig 20.7 bar	0.60	30 VA: 0.14A @ 220VAC	22 AWG, 24" [61 cm]	1/2" NPT (int/ext)	3 (94)

MODELS - Specialty Switches

Model Number	Style/ Applications	Material Float/Stem	Temp. Limits	Press. Limits	Min. S.G.	Electrical Rating	Wire Leads	Mtg	Weight oz (g)
F7-SS6	Bent stem/liquids with metal particles	316 SS/ 316 SS	300°F 149°C	100 psig 7 bar	0.70	20 VA: 0.08A @ 220VAC N.O. operation	22 AWG, 24" [61 cm]	1/8" NPT male	2 (58)
F7-SS6B	Bent stem/liquids with metal particles	316 SS/ 316 SS	300°F 149°C	100 psig 7 bar	0.70	20 VA: 0.08A @ 220VAC N.C. operation	22 AWG, 24" [61 cm]	3/8"-24" male	2 (58)
F7-EB‡	Non-intrusive bottle type/ outside tank mounting	Brass/316 SS (Brass housing)	300°F 149°C	500 psig 34 bar	0.75	20 VA: 0.08A @ 240VAC	18 AWG, 24" [61 cm]	3/4" NPT female	5 lb 5 oz (2.4 kg)
F7-LL	Vertical/detect levels as low as 5/8"	Polysulfone/ Buna-N	180°F 82°C	50 psig 3 bar	—	20 VA: 0.08A @ 240VAC	22 AWG, 72" [182 cm]	1/8" NPT male	2 (58)
F7-WBB	25 ft. cable, slosh shield/ sumps, stand pipes	Brass/ Buna-N	180°F 82°C	150 psig 10 bar	0.45	20 VA: 0.08A @ 240VAC	22 AWG, 25 ft. [7.6 m]	—	10.8 (310)

* Contains 20% glass.

† F7-HSS is rated explosion-proof for Class I, Groups A, B, C, D; Class II, Groups E, F, G; Class III.

‡ Explosion proof model available with DPDT switch. Specify F7-EBX.