Dwyer

SERIES F6 & F7 | W.E. ANDERSON™ BY DWYER

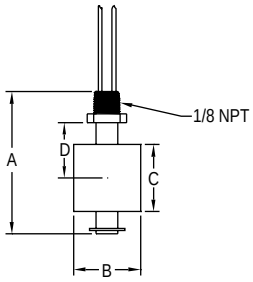
UL LISTED

LEVEL SWITCHES - VERTICAL

Low Cost, Reliable and Compact, Hermetically Sealed Contacts

F7-SB

F7-ST713



DIMENSIONS - IN (MM)				
Model	(A) Stem Length	(B) Float Diameter	(C) Float Height	(D) Actuation from Hex①
F7-SB	2.75 (70)	1.38 (35)	1.13 (29)	1.2 (31)
F7-SS2	2.06 (52)	1.0 (25)	1.0 (25)	0.73 (19)
F6-SS	2.17 (55)	1.11 (28)	1.11 (28)	–
F7-MPP	1.63 (41)	0.63 (16)	0.63 (16)	0.47 (12)
F7-PP	2.18 (55)	1.18 (30)	1.0 (25)	0.69 (18)
F7-BT	2.18 (55)	1.18 (30)	1.0 (25)	0.69 (18)
F7-PVC	3.44 (87)	1.5 (38)	1.81 (46)	0.75 (19)
F7-T1	3.47 (88)	2.13 (54)	1.94 (49)	0.92 (22)
F7-ST713	3.38 (86)	2.06 (52)	2.06 (52)	1.09 (28)
F7-ST714	3.38 (86)	2.06 (52)	2.06 (52)	1.09 (28)

①Distance between hex and liquid (S.G. = 1.0) level at actuation point will vary with specific gravity changes.

The **Series F6 & F7 Vertical Level Switches** are designed to be mounted at the maximum or minimum level point to provide level indication and control. Models are shipped with normally open switch contacts which close as the float rises toward the mounting threads.

BENEFITS/FEATURES

- Simple installation with low cost and reliable design
- Flexible application design with open or close circuits for rising or falling levels with vertical models that mount internally, oriented within 30° of vertical, or select optional fittings for external mounting
- Long product life from hermetically sealed reed switches that are actuated by magnets permanently bonded inside the float arm
- Switch ratings are suitable for many solid state control systems and monitors or alarms
- Variety of application use with high current, simple relay interfaces

APPLICATIONS

- Water level monitoring
- Oil level control
- Chemical level indication
- Sumps
- Stand pipes
- Tank level control
- High viscosity liquids

MODEL CHART

Model	Applications	Material Float/Stem	Temperature Limits	Pressure Limits	Min. S.G.	Electrical Rating	Wire Leads	Mtg NPT (M)	Weight oz (g)
F7-SB*	General purpose	Buna-N and epoxy/316 SS	220°F (105°C)	150 psig (10 bar)	0.60	25 VA: 1 A @ 220 VAC	22 AWG 18″ (45 cm)	1/8″	2 (58)
F7-SS2*	High temp/pressure, corrosives	316 SS (CYC)/316 SS	300°F (149°C)	450 psig (31 bar)	0.75	25 VA: 1 A @ 200 VAC	22 AWG 18″ (45 cm)	1/8″	1.2 (34)
F6-SS	Corrosives	316 SS/316 SS	257°F (125°C)	218 psig (15 bar)	0.65	20 VA: 0.08 A @ 240 VAC	20 AWG 11.8″ (30 cm)	1/8″	1.59 (45)
F7-MPP**	Broad chemical compatibility	Polypropylene/ polypropylene	180°F (82°C)	100 psig (6.89 bar)	0.90	10 VA: 0.1 A @ 100 VAC	22 AWG 24″ (61 cm)	1/8″	0.8 (23)
F7-MPP-NO**	Broad chemical compatibility	Polypropylene/ polypropylene	176°F (80°C)	100 psig (6.89 bar)	0.90	50 VA: 0.2 A @ 240 VAC	22 AWG 24″ (61 cm)	1/8″	0.8 (23)
F7-PP*	Broad chemical compatibility	Polypropylene and epoxy/ polypropylene	220°F (105°C)	100 psig (6.89 bar)	0.60	30 VA: 0.14 A @ 220 VAC	22 AWG 24″ (61 cm)	1/8″	0.8 (23)
F7-BT*	Oils and fuels	Buna-N and epoxy/PBT***	220°F (105°C)	150 psig (10 bar)	0.45	30 VA: 0.14 A @ 220 VAC	22 AWG 24″ (61 cm)	1/8″	0.7 (20)
F7-PVC	Chemical and plating	CPVC/CPVC	180°F (82°C)	15 psig (1 bar)	0.85	20 VA: 0.08 A @ 240 VAC	22 AWG 24″ (61 cm)	1/4″	5 (140)
F7-T1	Viscous, sticky or corrosive liquids	PTFE/TFE	300°F (149°C)	30 psig (2 bar)	0.80	20 VA: 0.08 A @ 240 VAC	22 AWG 24″ (61 cm)	1/4″	6 (170)
F7-ST713	Oils, water and chemicals	316 SS/316 SS	300°F (149°C)	750 psig (52 bar)	0.80	20 VA: 0.08 A @ 240 VAC	22 AWG 24″ (61 cm)	1/4″	6 (170)

*UL listed. **F7-MPP is normally closed/F7-MPP-NO is normally open. ***PBT-Polybutylene terephthalate.

ACCESSORIES - FOR EXTERNAL MOUNTING OF VERTICAL MODELS	
Model	Description
A-347	1/8″ x 1-1/4″ NPT carbon steel adaptor
A-347-SS	1/8″ x 1-1/4″ NPT 316 SS adaptor
A-348	1/8″ x 1-1/2″ NPT carbon steel adaptor

USA: California Proposition 65
⚠WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov