

AE730 Series Mini Horizontal Float Level Switch (External Side Mount Type)



Design

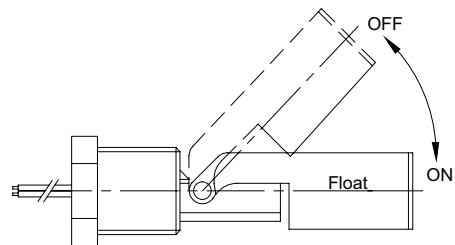
The AE730 Mini Horizontal Float Switch is compact light in weight and cost effective solution for liquid level detection application. With all wetted parts in PP material, it is suitable for level detection where aggressive liquid media is handled.

The switch operates on buoyancy and magnetism principle. The float has an enclosed magnet and the stationary stem incorporates a reed switch which closes its electrical contact when the magnetic element in the float comes in contact with the stem. The reed switch reverses its contact state when the magnet in the float element moves away from the stem.

Specifications

Contact	SPST Normally Open
Contact Rating	50 W
Max. Switching Voltage	DC350 / AC300 V
Breakdown Voltage	600VDC
Max. Switching Current	DC0.7 / AC0.5 A
Max. Carry Current	2.5 A
Contact Resistance	100 mΩ Max.
Insulation Resistance	10 ¹⁰ Ω Min.
Estimated Cycles	10 ⁷
Float Pressure	1 bar Max
Operating Temperature	-10 to + 85°C
Media Specific Gravity	0.7 Min.
Switch Material	PP (PVDF on request)
Lead Wire Shield Material	PVC
Internal Filling	Epoxy
Installation	<ul style="list-style-type: none"> • External side mount with float on top position • Reverse mount for Normally Close function

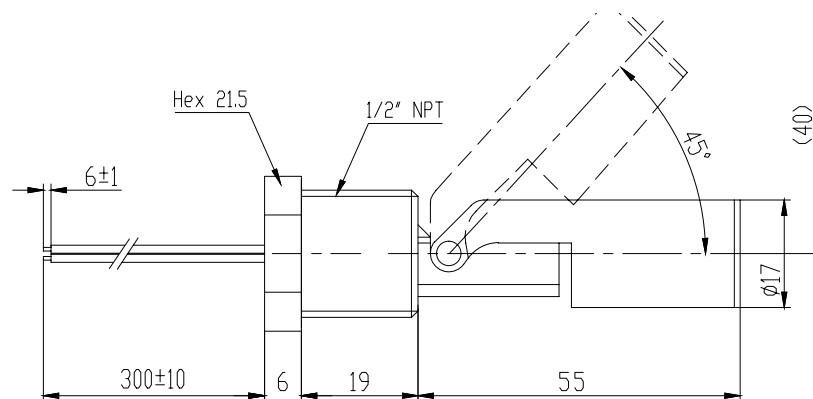
Movement



When the float is in 10 ±5°, the reed switch contact will be closed.

When the float is in 40 ±5°, the reed switch contact will be open.

Dimensions (mm)



The specifications given in this document represent the state of engineering at the time of publishing. We reserve the right to make modifications to the specification and materials

AE730 Series Mini Horizontal Float Level Switch (Internal Side Mount Type)



Design

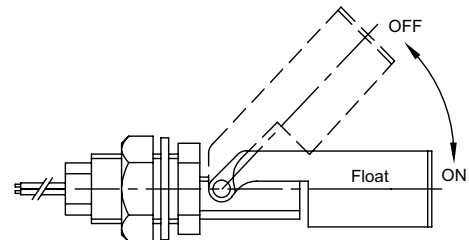
The AE730 Mini Horizontal Float Switch is compact light in weight and cost effective solution for liquid level detection application. With all wetted parts in PP material, it is suitable for level detection where aggressive liquid media is handled.

The switch operates on buoyancy and magnetism principle. The float has a enclosed magnet and the stationary stem incorporates a reed switch which closes its electrical contact when the magnetic element in the float comes in contact with the stem. The reed switch reverses its contact state when the magnet in the float element moves away from the stem.

Specifications

Contact	SPST Normally Open
Contact Rating	50 W
Max. Switching Voltage	DC350 / AC300 V
Breakdown Voltage	600VDC
Max. Switching Current	DC0.7 / AC0.5 A
Max. Carry Current	2.5 A
Contact Resistance	100 mΩ Max.
Insulation Resistance	10 ¹⁰ Ω Min.
Estimated Cycles	10 ⁷
Float Pressure	1 bar Max
Operating Temperature	-10 to + 85°C
Media Specific Gravity	0.7 Min.
Switch Material	PP (PVDF on request)
Lead Wire Shield Material	PVC
Internal Filling	Epoxy
Installation	<ul style="list-style-type: none"> • Internal side mount with float on top position • Reverse mount for Normally Close function

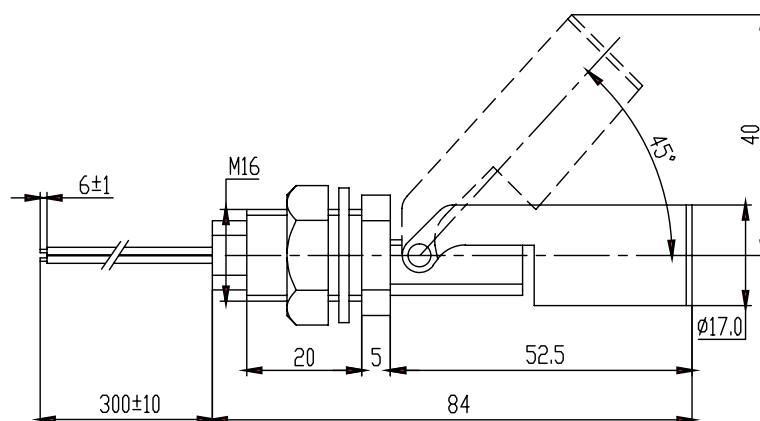
Movement



When the float is in 10 ±5°, the reed switch contact will be closed.

When the float is in 40 ±5°, the reed switch contact will be open.

Dimensions (mm)



AE730 Series Mini Vertical Float Level Switch (Vertical Mount Type)



Design

The AE730 Mini Vertical Float Switch is compact light in weight and cost effective solution for liquid level detection application. With all wetted parts in PVDF material, it is suitable for level detection where aggressive liquid media is handled.

The switch operates on buoyancy and magnetism principle. The float has an enclosed magnet and the stationary stem incorporates a reed switch which closes its electrical contact when the magnetic element in the float comes in contact. The reed switch reverses its contact state when the magnet in the float element moves away up on the stem.

Specifications

Contact	SPST Normally Closed (with float below)
Contact Rating	50 W
Max. Switching Voltage	DC200 / AC240 V
Max. Switching Current	DC0.7 / AC0.5 A
Max. Carry Current	1 A
Contact Resistance	100 mΩ Max.
Insulation Resistance	10 ¹⁰ Ω Min.
Estimated Cycles	10 ⁷
Float Pressure	2 bar Max
Operating Temperature	-10 to + 80°C
Media Specific Gravity	0.7 Min.
Switch Material	PVDF (PP on request)
Lead Wire Shield Material	PVC
Internal Filling	Epoxy
Installation	• Vertical mount with float in below position

Dimensions (mm)

