

M4189 Tilt Float Switch with 6.5' Cable

The Madison Company M4189 Tilt Float Switch provides efficient and highly reliable level detection in open vessels, sumps and ponds, even where debris or other conditions may exist. The molded plastic float has an integral three conductor cable which is connected to an SPDT micro-switch that is sealed inside the float. As the float rises or falls 30° to 45° about a horizontal location where the cable is anchored, the switch changes state from Normally Open or Normally Closed as the float swings up and down. These float switches typically provide 8" to 36" of liquid level control depending on the length of cable left beyond the anchored point or weight. The internal micro-switch can be used to start or stop a pump, open or close a valve or indicate an alarm point as required. An optional stabilizing weight is included with all Tilt Float Switches for "Drop In" applications.

(Examples: 24" of cable will provide approximately 36" of differential between switch change over, while a shorter length of cable will decrease the distance between the high and low level switch points.)

The Propylene float and PVC cable materials are chemically resistant and extremely durable for long service life, and resistance to heat, oxidation, ozone and aging due to weather or typical application conditions. These tilt float switches are designed for waste water, pond level control, or any application where conditions are challenging and smaller sensors can't hold up.

There are no specific installation concerns. However, the lead cable should be supported in an enclosed tank. Additionally, in an open tank, sump, or pond, it is advantageous to clip the lead cable to the side, especially if excessive turbulence or liquid movement is experienced.

Specifications

M4189 – Tilt Float Switch	
Contact Rating	16A 250 VAC 60 Hz General Purpose, 1/2 HP 240 VAC 60 Hz; Form C (SPDT)
Max. Submerged Depth	20 Meters
Max. Working Pressure	14.5 PSIG
Operational SG	0.9 to 1.3
Cable Material	PVC Jacketed Cable
Float Material	Polypropylene
Max. Temperature	70°C
Cable Leads	6.5' (2M), 18 AWG, 3 Conductor, PVC Jacketed

An optional stabilizing weight and rubber "O" ring are included with all tilt float switches. This may be installed within 48" of the float for "Drop In" applications.



Features

- ◆ Low cost
 - ◆ Easy installation
 - ◆ Versatile in applications
 - ◆ 6.5 ft (2m) cable length
- (M4189-1003 - with 15M Cable)