

DATA SHEET

Tilt Float Switches

M4548/9 Series



The M4548/9 Series tilt float switch is an efficient and highly reliable level detector for open vessels, sumps and ponds.

The molded plastic float has an integral three conductor cable and operates on a micro-switch device that is located inside the float on an anti-vibration mount. Float travel is approximately $\pm 45^\circ$ from its nominal position.

Features

Constructed of polypropylene for long service life and resistance to heat, oxidation, ozone and aging due to weather. Good electrical resistivity, and resistance to polar solvents such as water, acids, alkalies, phosphate esters and many ketones and alcohols.

Material

- Polypropylene

Specifications

- Max. pressure: 14.5 psi
- Max. temperature: 158°F / 70°C
- Switch rating: 16A at 250V AC (8A switching), SPDT



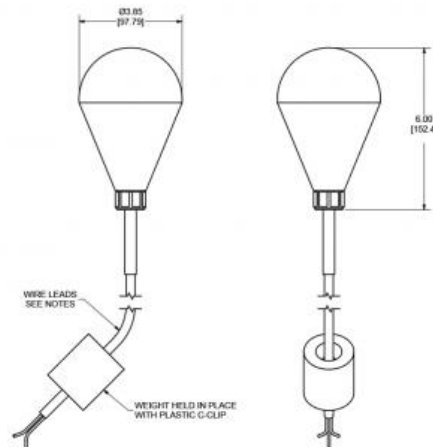
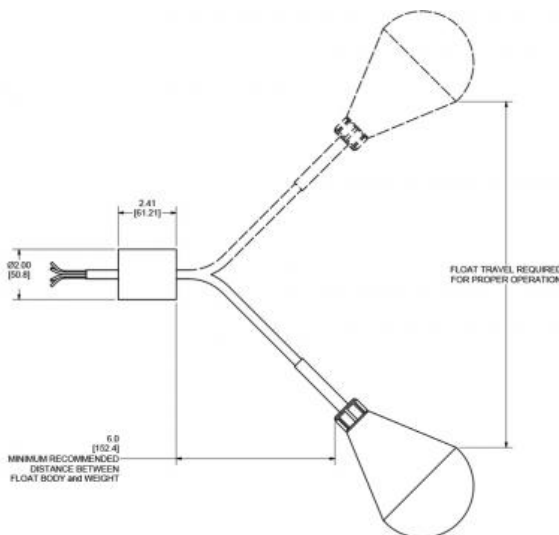
Mounting and Installation

There are no specific installation requirements. 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 is experienced (a nylon cable tie is included).

To alleviate the effects of rapid switching conditions if such turbulence is expected, it is recommended that a maintaining circuit be used to both safeguard the micro-switch and cut out any chatter from the starters of associated equipment, such as pumps.

An optional stabilizing weight and rubber "O" ring is included with all tilt float switches. This may be installed at any point on the lead cable.

| Part Numbers | Lead Wire Length |
|--------------|------------------|
| M4548 | 6.6' |
| M4549 | 49.2' |



Madison Company | Sensing Solutions since 1959

27 Business Park Drive
Branford, CT 06405 USA

Toll-Free: 800.466.5383
Outside the USA: +1.203.488.4477

Made In 
The USA
www.madisonsensors.com