

INSTALLATION.

The indicator is provided with two mounting clips that can be positioned as convenient at both ends. The minimum recommended separation is 500mm.

To allow withdrawal of the inner rod assembly the tube must be mounted with a minimum of 1 metre headroom. It is suggested that the bottom of the tube is positioned approximately 50 millimetres above the floor.

When deciding the position of the brackets, if the switch point will be between them, ensure that the reed switch housing is mounted on the tube before fixing to the wall.

The tube must be installed vertically in both planes. Use a spirit level as required, to achieve this.

The mounting brackets have a compliant lining to simplify alignment but great care should be taken to ensure the tube does not become stressed or distorted by incorrect positioning or over-tightening of the brackets.

RESETTING THE FLOAT

The entire inner rod assembly may be removed from the tube by pulling it upwards

The float has two reset levers on its top-side. To reset, gently squeeze both reset levers together toward the centre rod lifting the float slightly (about 5 millimetres) at the same time. This will release the locking tabs. Keeping the levers squeezed slide the float back to the base of the rod.

Re-insert the rod assembly taking care to ensure the float does not catch and ride up. The centre rod locates in a hole in the base of the tube, ensure this is engaged which will allow the top cover to locate correctly.

N.B. When inserting the float, ensure that the side face that contains the magnet (identified by the two vertical ribs) is facing to the rear of the tube to align with the reed switch housing. If this is not correctly aligned the reed switch will not be triggered. The float has a label "FRONT" to confirm correct positioning. Also ensure that the top end cap is orientated correctly as indicated by a similar label.

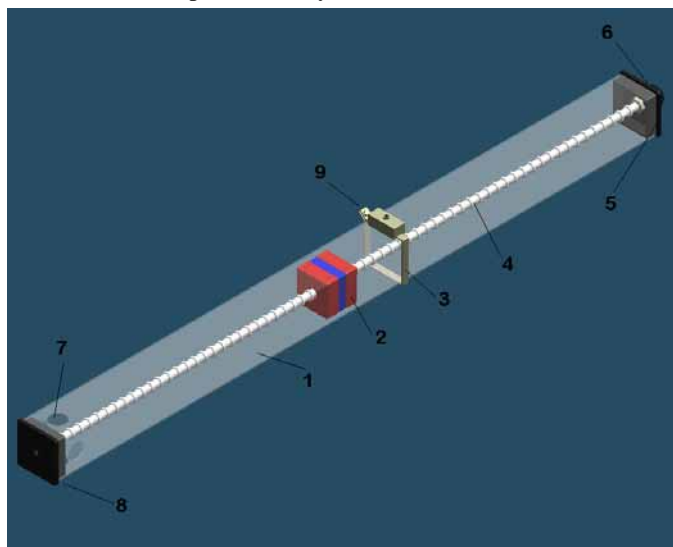
REED SWITCH POSITIONING AND OPERATION.

The 2 part mounting bracket allows the reed switch to be positioned at any point on the tube. With the Nylon wing-nut loosened slide the bracket to the required position. Ensure the wing-nut is tightened only sufficiently to hold the switch firm, do not over-tighten and distort the tube.

When positioning the reed switch do ensure that it is on the rear of the tube to align with the side of the float which has vertical ribs.

The reed switch rating is 1 Amp @ 230 VAC (non-inductive) N/O and has a response time of 2.5 milliseconds. It is non-latching and will only be energized when the top of the float is within approximately 20mm of the Reed Switch Housing. The switch will remain closed during the float transition past the Reed Switch Housing, which covers a range of approximately 40mm. The time that the switch is closed is dependent upon the rate of the float movement.

The reed switch housing itself is fully potted and protected against submersion but termination of the 2 metre flying lead must be in a protected dry area.



- 1 – Clear Acrylic tube 60 x 60
- 2 – Float assembly with integral reset levers
- 3 – Reed Switch housing
- 4 – Ratchet rod – 15mm increments
- 5 – Top end cap - removable
- 6 – Knob for withdrawal
- 7 – Holes for water access
- 8 – lower end cap - fixed
- 9 – Securing screw for reed switch clamp

