FIGURE C - Installation using internal weight

approximate activation level

18 cm
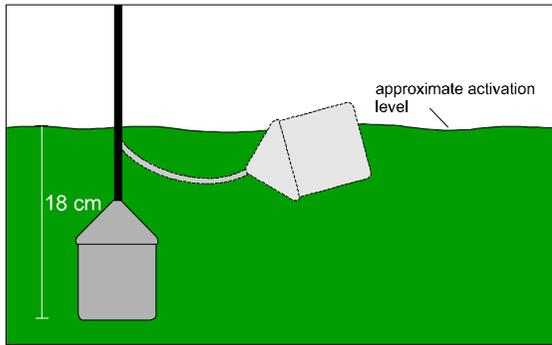
INSTALLATION - Cable Weight

Determine the desired activation level.

Suspend the switch and cable weight at the desired activation level, see Figure E.

Wire the cables directly into the control device, see Figure A.

Check installation. Allow the system to cycle to ensure proper operation.

The cable weight is supplied attached to the cable, to adjust, release the clip.

Adjust the weight to the desired position.

Lay the switch cable in the weight channel.

Align the clip with the weight channel and slide towards the switch cable.

Snap the clip snugly up to the cable, moving the clip to the tightest possible position.

FIGURE C - Installation using cable weight

approximate activation level 1 cm above or below horizontal

cable weight

10 cm

minimum tether length
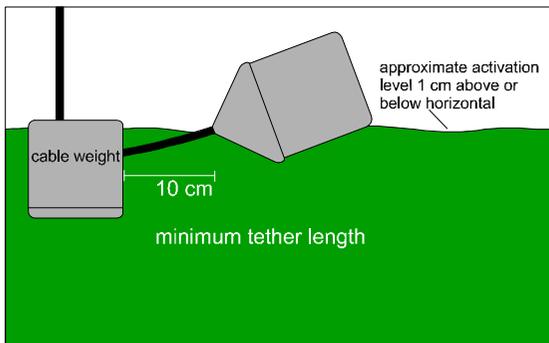
SPECIFICATIONS

Cable

Flexible 18 gauge, 2 conductor, water-resistant. (SPDT version uses 3-core cable.

Float

8.58 cm diameter x 11.56 cm (3.38 x 4.55 inch) - Standard & SPDT

7.14 cm diameter x 8.68 cm (2.81 x 3.42 inches) - Mini

High impact, corrosion resistant, PVC housing for use in sewage and non-potable water.

Operating Temperature Range

Water up to 60 ^{o}C (140 ^{o}F).

Maximum Water Depth

9 metres (30 feet) or 13 psi.

Mercury Tilt Switch

Single pole, single throw mercury to mercury contacts (Standard & Mini), Single pole, double throw mercury to mercury contacts (SPDT)

Hermetically sealed in a steel capsule and epoxy sealed in the float housing.

Electrical Rating

5 A @ 120/230 Vac 50/60 Hz (Standard & Mini)

13 A @ 120/230 Vac 50/60 Hz (SPDT)

The Mini version is suitable for controlling electrical loads < 30 mA @ 12V AC or non arcing electrical loads.

This equipment is suitable for IEC 664 category II installations.

This equipment is protected by double insulation.
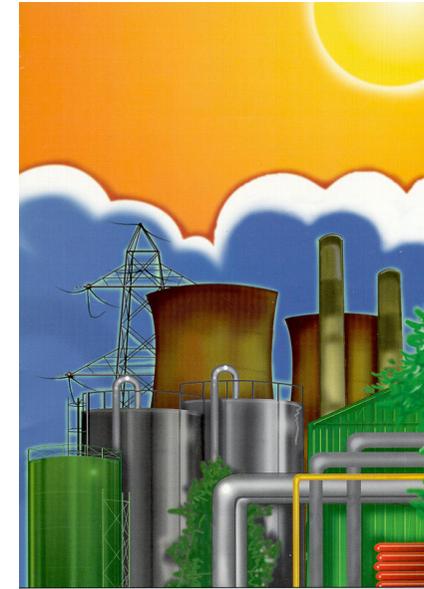
E & OE

$C\,E$

PREVENTATIVE MAINTENANCE

Periodically inspect the product. Check that the cable hasn't become worn, or the housing damaged so as to impair the protection of the product.
Replace the product immediately if any damage is found.

PULSAR

Process Measurement

user guide

©

PULSARpoint

800 - 60

Sensor Float

APPLICATIONS

The PULSAR point 800-60 Sensor Float pump switch is a narrow-angle sensing device, used to accurately monitor liquid levels in non-potable water and sewage applications. The PULSAR point 800-60 Sensor Float Mini is designed for use in confined spaces.

The PULSAR point 800-60 Sensor Float pump switch is not sensitive to rotation.

OPTIONS

⇒ **3 m, 10 m or 20 m cable**

⇒ **Mini version** - for use in confined spaces.

⇒ **Normally Open (high level alarm) version** - turns on (closes) when the float tips slightly above horizontal signalling a high level and turns off when the float drops slightly below horizontal.

⇒ **Normally Closed (low level alarm) version** - turns on (closes) when the float drops slightly below horizontal signalling a low level and turns off when the float tips slightly above horizontal.

⇒ **SPDT version -** combines the functions of the NO & NC versions in one unit.

⇒ **Three mounting options for flexibility in installation:**

  – Pipe clamp - where the switch can be attached to a discharge pipe.

  – Internally weighted - where the switch can be suspended from above.

  – Externally weighted - where the switch can be suspended from above.

PULSAR *point* 800-60 Sensor Float Control Switch
Mercury activated, narrow angle float switch designed to activate pump control panels and alarms

INSTALLATION - Pipe Clamp

Determine the desired activation level, see Figure B.

Tighten the pipe clamp around the pipe at the desired activation level. To prevent slippage, keep the switch cable between the strap and pipe, see Figure D.
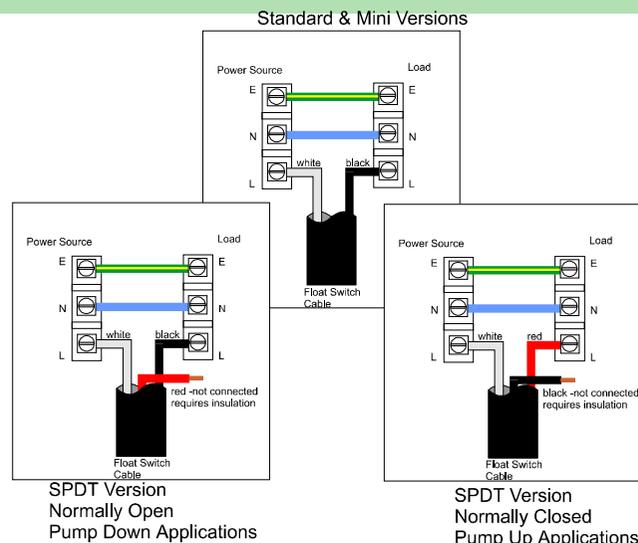
To lock the releasable tab, run the remaining strap between the releasable tab and the clamp head. Pull tightly.

To eliminate obstruction to the switch, tuck the strap back through the clamp head, see Figure D.

Wire the cables directly into the control device, see Figure A

Check installation. Allow the system to cycle to ensure proper operation.

FIGURE A - Wiring Diagrams

Standard & Mini Versions

SPDT Version
Normally Open
Pump Down Applications

SPDT Version
Normally Closed
Pump Up Applications

FEATURES

⇒ Not sensitive to rotation.

⇒ Control differential of 1 cm (0.4 inches) above or below the horizontal.

⇒ For use in non-potable water and sewage applications

⇒ CE Approved.
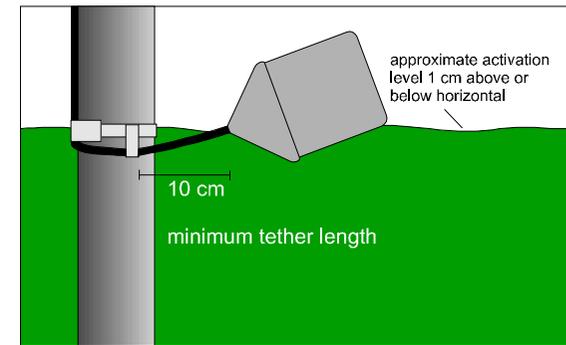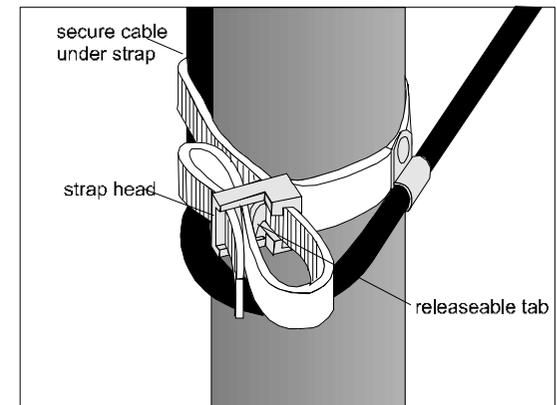
FIGURE B - Pipe clamp installation

approximate activation level 1 cm above or below horizontal

10 cm

minimum tether length

FIGURE D - Tether arrangement

secure cable under strap

strap head

releaseable tab

INSTALLATION - Internal Weight

Determine the desired activation level.

Suspend the switch 18 cm below the desired activation level, see Figure C.

The switch remains partially submerged during the "on" tipping action. The switch can be totally submerged and still continue to operate properly.

Wire the cables directly into the control device, see Figure A.

Check installation. Allow the system to cycle to ensure proper operation.