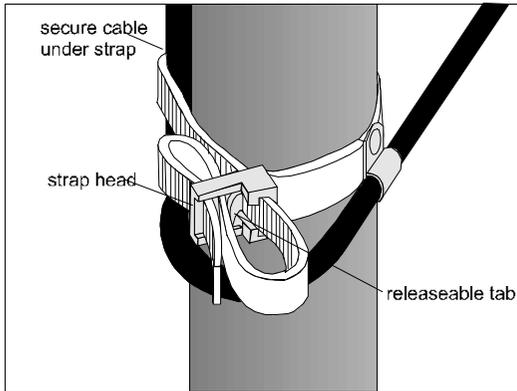


FIGURE C - Tether arrangement



## INSTALLATION - Cable Weight

Determine the desired activation level.

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

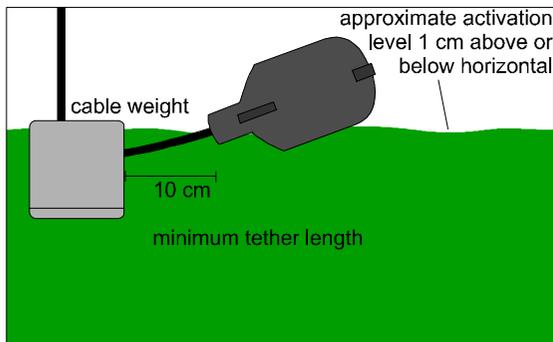
The cable weight is supplied attached to the cable, to adjust, release the clip.

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.

FIGURE D - Installation using cable weight



## SPECIFICATIONS

### Cable

Flexible 16 gauge, 2 conductor, water-resistant. (standard)

Flexible 16 gauge, 3 conductor, water-resistant. (SPDT)

### Float

7.0 cm diameter x 12.3 cm (2.74 x 4.83 inch), high impact, corrosion resistant, polypropylene housing for use in sewage and non-potable water.

### Operating Temperature Range

Water up to 60 °C (140 °F).

### Maximum Water Depth

9 m (30 feet) or 90 kPa (13 psi)

### Electrical Rating

5 A @ 115 / 230 V AC 50/60 Hz Single Phase

**Note:** This switch must be used with pumps that provide integral thermal overload protection.

The switch is not recommended for controlling:

⇒ loads less than 100 mA 12 V AC

⇒ non-arcing electric loads

This equipment is suitable for IEC 664 category II installations



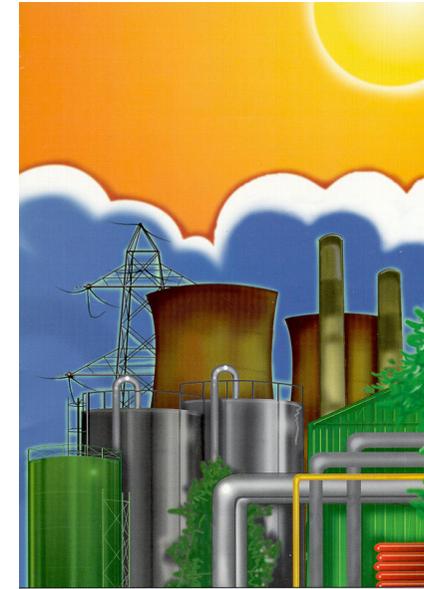
This equipment is protected by double insulation

E & OE



## PULSAR Process Measurement Limited

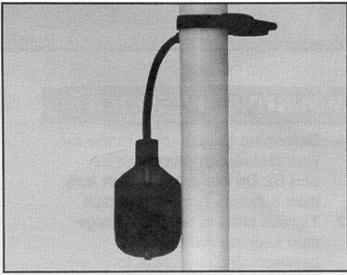
Cardinal Building Tel: +44 (0)1684 891371  
 Enigma Commercial Centre Fax: +44 (0)1684 575985  
 Sandy's Road  
 Malvern WR14 1JJ email info@pulsar-pm.com  
 United Kingdom web http://www.pulsar-pm.com



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**PULSAR point**  
**800 - 70**

## Signal Master

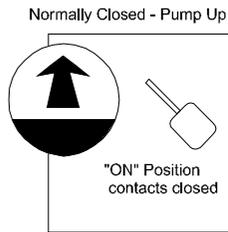
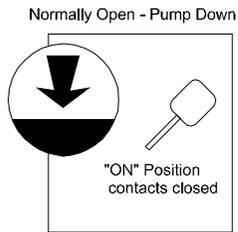


## APPLICATIONS

The PULSAR point 800-70 Signal Master control switch is a narrow angle sensing device that can be used to accurately monitor liquid levels in sewage and non-potable water applications.

The PULSAR point 800-70 Signal Master pump switch is not sensitive to rotation.

The SPDT version can be wired to work in either pump up (Normally Closed) or pump down (Normally Open) applications.



## FEATURES

- ⇒ Mechanically activated, snap action contacts.
- ⇒ High impact, corrosion resistant, polypropylene float housing.
- ⇒ Control differential of 4 cm (1.5 inches) above or below the horizontal.
- ⇒ Not sensitive to rotation.
- ⇒ The SPDT version can be wired as pump up (NC) or pump down (NO)
- ⇒ For use in non-potable water and sewage applications
- ⇒ Two-year warranty.
- ⇒ CE Approved.

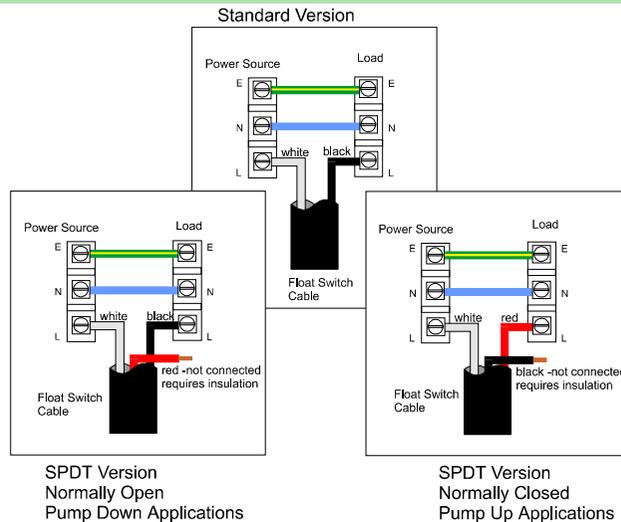
# PULSAR point 800-70 Signal Master Control Switch

Mechanically-activated, narrow-angle switch designed to activate pump control panels and alarms.

## OPTIONS

- ⇒ 3 m or 10 m cable
- ⇒ Pump up, Pump down or SPDT versions
- ⇒ Pipe clamp or externally weighted mounting options.

FIGURE A - Wiring Diagrams



## 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 C.

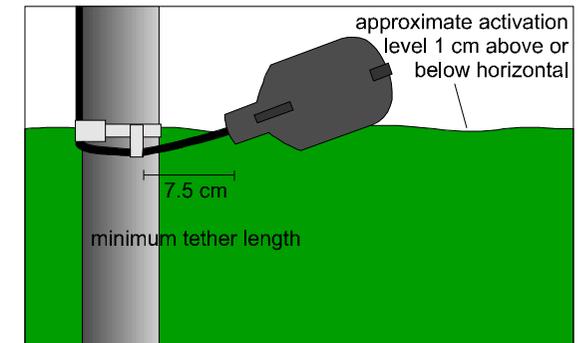
To lock the releasable tab, run the remaining strap between the releasable tab and the clamp head. Pull tightly.

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

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

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

FIGURE B - Pipe clamp installation



## ! WARNING !

- ⇒ **ELECTRICAL SHOCK HAZARD** Disconnect power before installing or servicing this product.
- ⇒ Do not use this product as a mains isolating switch.
- ⇒ This product is **not** approved for use in Hazardous Areas
- ⇒ Failure to follow these precautions could result in serious injury or death.
- ⇒ Keep these instructions in a safe place after installation.