

FLOW SWITCH

FS Series - Flow Switch in Brass

FS-07

Design Features

- Rugged Brass Housing
- Minimal pressure drop
- Operates from a small head of water
- Vertical mount +/- 15°
- Suitable for water and air flow switching



Product Comments

- 3/4 inch BSP Male & Female threaded fittings
- Suitable for hot and cold portable water
- Reed Switch reliability
- Meets UL 94-HB flammability rating
- Easy installation

Typical Applications

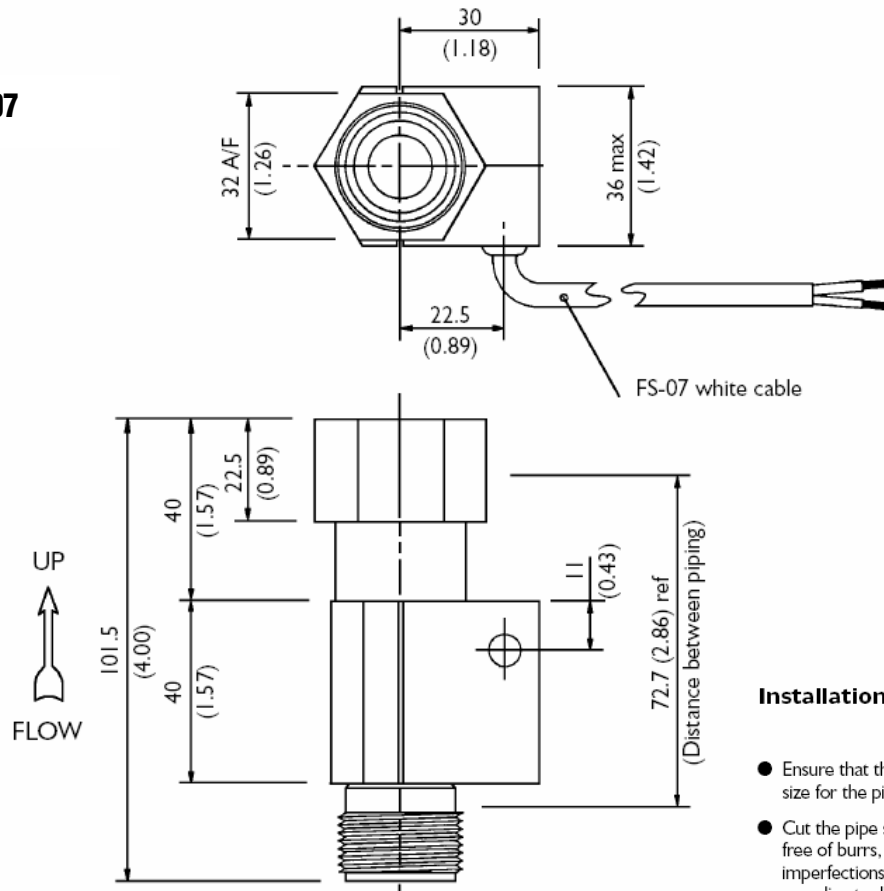
- Mains water control
- Power Shower
- Leak Detection
- Boiler Heating Element Protection
- Cooling systems

Material, Design and Operation

Mounting:	Flow Switch Vertical
Material:	Brass
Fitting	Flow Switch 3/4" BSP
Contact Form:	Form A -SPST
Contact Material:	Triac
Maximum Switching Volts:	250 VRMS
Maximum Switching Current:	3.0A
Cable Type:	0.5mm2 BS6500 PVC double insulated 1.0M long
Cable Colour:	White outer Blue/Brown inner
Operating Temperature Range:	100 °C
Medium/Liquid:	Water
Flow Rate:	1.0 litres/min
Operating Pressure:	10BAR
Mounting Shock:	50g for 11ms duration
Mounting Vibration:	35g up to 500Hz
Approvals:	Meets UL 94-HB flammability rating

Line Drawing

FS-07



Installation

- Ensure that the fitting is the correct size for the pipe
- Cut the pipe square, ensuring that it is free of burrs, scores or other imperfections. If necessary use a re-rounding tool to ensure the tube is round.
- Fully insert the pipe into the flow switch body, ensuring that it is free to enter squarely and that it makes a positive contact.
- Tighten the nut by hand and spanner until the compression ring grips the pipe - i.e. until it is impossible to rotate the pipe/flow switch housing by hand.
- Tighten the nut by one-third to two-thirds of a turn. Stainless steel pipe may differ.
- In normal circumstances the use of jointing compound is not necessary or recommended as excessive use can interfere with the joint quality.
- If slight weeping occurs apply a smear of an approved compound to the sealing faces
- Pipework/connector alignment imperative (avoiding bending stress).
- Mating connectors to have 3/4" BSP fittings (parallel thread only)

FLOW RATE v PRESSURE DROP

