

FLOW SWITCH

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FS Series - Flow Switch in Brass

FS-05

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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

- 22mm Compression Fittings
- Suitable for hot and cold portable water
- Reed Switch reliability
- Meets UL 94-HB flammability rating
- Easy installation

Typical

Applications

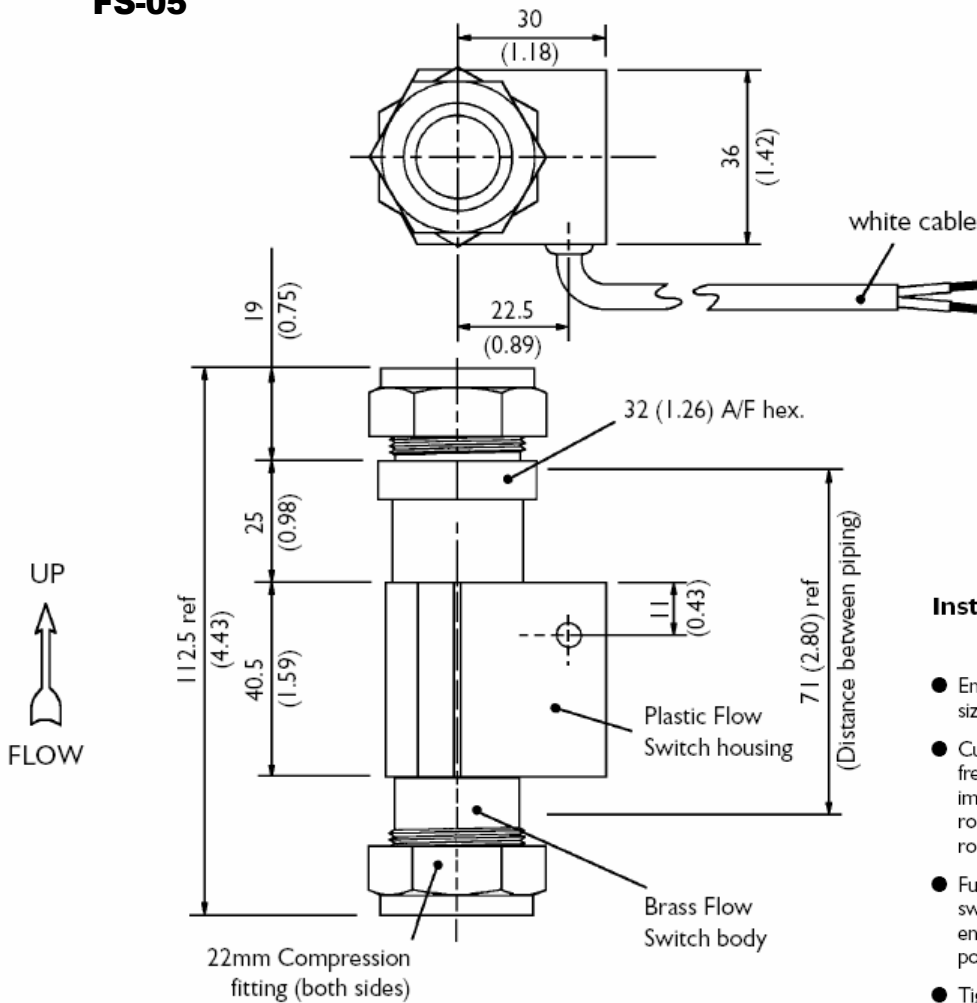
- Power Shower
- Circulating Pump Protection
- Central Heating Systems
- Mains water control
- Cooling systems

Material, Design and Operation

Mounting:	Flow Switch Vertical
Material:	Brass
Fitting	Flow Switch 22mm Pipe Size
Contact Form:	Form A -Triac
Contact Material:	Triac
Maximum Switching Volts:	250 VRMS
Maximum Switching Current:	3.0A
Cable Type:	0.5mm ² BS6500 PVC double insulated 1.0M long
Cable Colour:	Grey outer Blue/Brown inner
Operating Temperature Range:	100°C
Medium/Liquid:	Water
Flow Rate:	1.0 litres/min
Operating Pressure:	10 BAR
Mounting Shock:	50g for 11ms duration
Mounting Vibration:	35g up to 500Hz
Approvals:	Meets UL 94-HB flammability rating

Line Drawing

FS-05



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).

FLOW RATE v PRESSURE DROP

