



Switching, Sensing and Control Solutions

from GENTECH INTERNATIONAL LTD

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FS-10/FS-22, FS-80 & FS-90 SERIES FLOW SWITCHES

DESIGN FEATURES

- Space saving design
- Copper construction
- Compression fitting
- Operate with a small head of liquid
- Pressure drop 17mBar @ 1 L/m (0.25PSI)
- Vertical mounting $\pm 15^\circ$ (FS-10 and FS-22)
- Mountable at any angle, noting flow direction (FS-80 and FS-90)

Gentech miniaturised, copper bodied FS Series flow switches represent a major advance in fluid management technology, with compact space saving design and minimal pressure drop in low flow rate applications. FS-10, FS-80 and FS-90 Series flow switches are designed to mate with 15mm pipe to BS2871 whilst the FS-22 is designed to mate with 1/2" pipe to ASTM Spec B-88 type 'L'.



Operational Characteristics

Maximum switch ratings	FS-10, FS-22 and FS-90	300VDC	1.0 Amps, 10 Watts
	FS-80	24VDC	1.0 Amps, 10 Watts
Temperature range		-30°C to +85°C	
Maximum pressure		10 Bar @ 20°C	
Switch on flow rate	FS-10 and FS-22	typically 0.5L/min water	
	FS-80 and FS-90	maximum 3.0L/min water*	

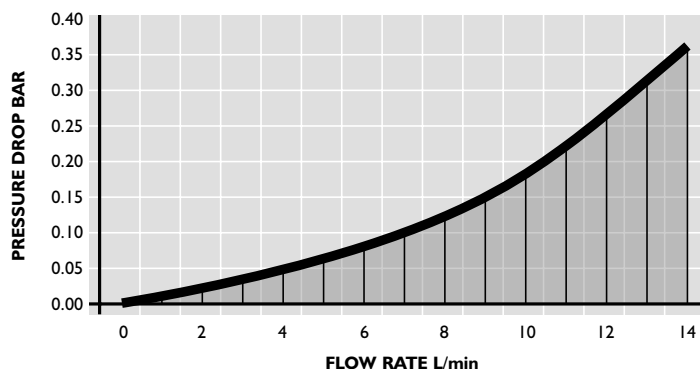
* FS-80 and FS-90 flow switches are available with a switch on flow rate other than 3.0L/min. Contact Sales at Gentech for details

Electrical Connections

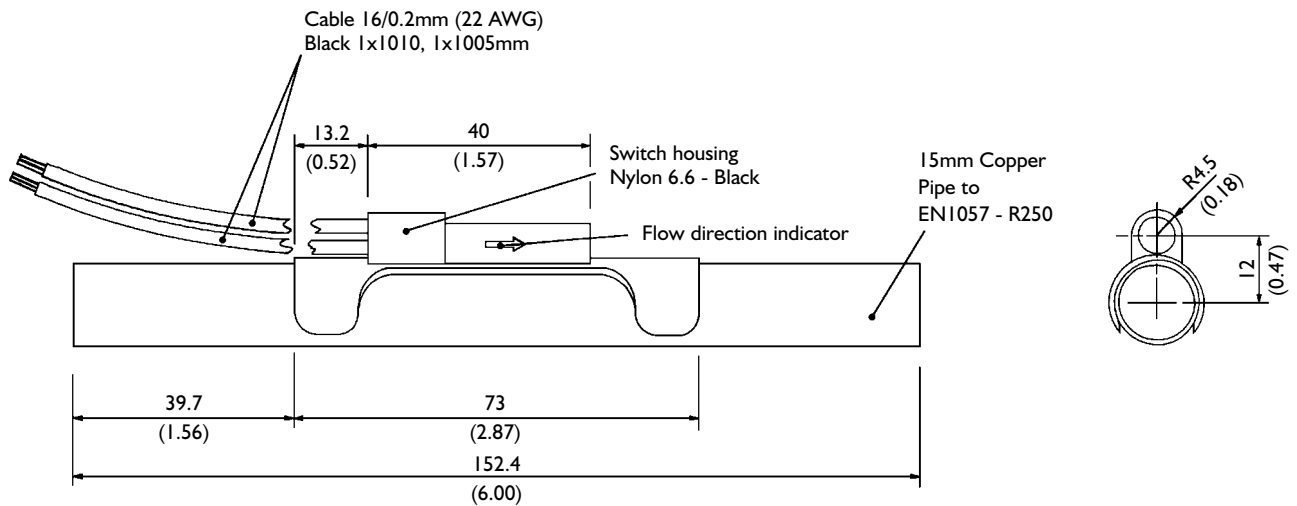
FS-10, FS-22 and FS-90: 1.0m of 2x single insulated 16/0.2mm black

FS-80: 2x screw terminals

Flow Rate v Pressure Drop

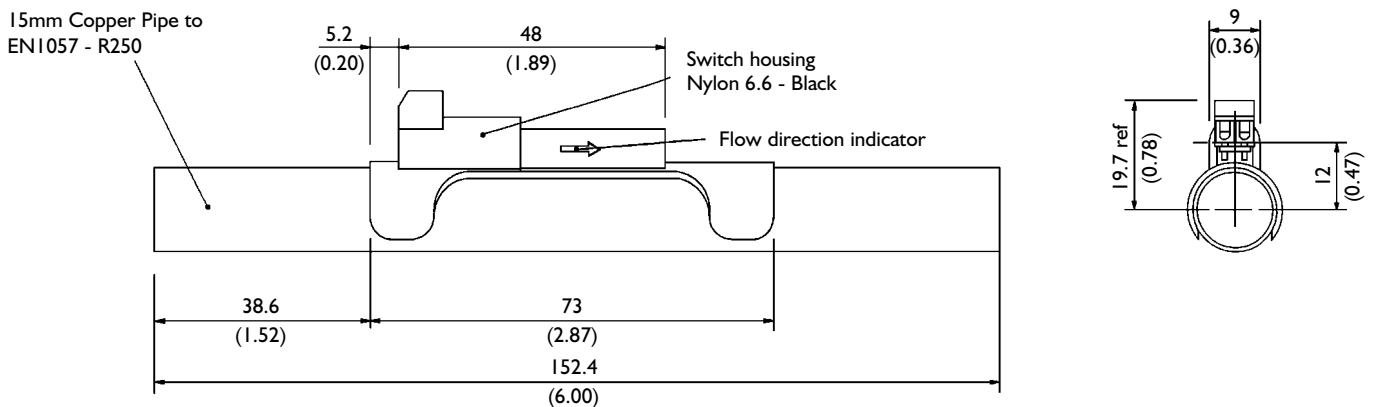


FS-10, FS-22 and FS-90



Note: FS-22 generally as above, with 1/2" pipe to ASTM spec B-88 Type 'L'

FS-80



Installation

- Pipework to be cut square and burr free
- Compression fitting mating connectors to be of suitable quality.
- The installation should be checked to ensure that no leaking is evident.
- Pipework/connector alignment imperative (avoiding bending stress).

Applications

Please contact Sales at Gentech for applications relating to this product group.



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