

## Excellent Integrated System Limited

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## FSHPLC

### Flow switch for connection to PLC



- **Signal level output for PLC**
- **20 l/min turn on flow rate**
- **Automatic shut down on flow stop**
- **Volt free contact for output to PLC**

#### ■ 1" BSP pipe connections

#### Technical Specification

Screw mount Material			Brass
Enclosure material			Polyamide
Enclosure rating			IP54
Start up flow rate	Q. min	l/min	20
Max Pressure	P max	bar	10
Max Temperature	T max	°C	100
Pipe connections		BSP	1"

#### Electrical Specification

Output		SPNO volt free contact
Max voltage	Vac	<5
Switching Current Max	mA	<1

#### Standard Parts

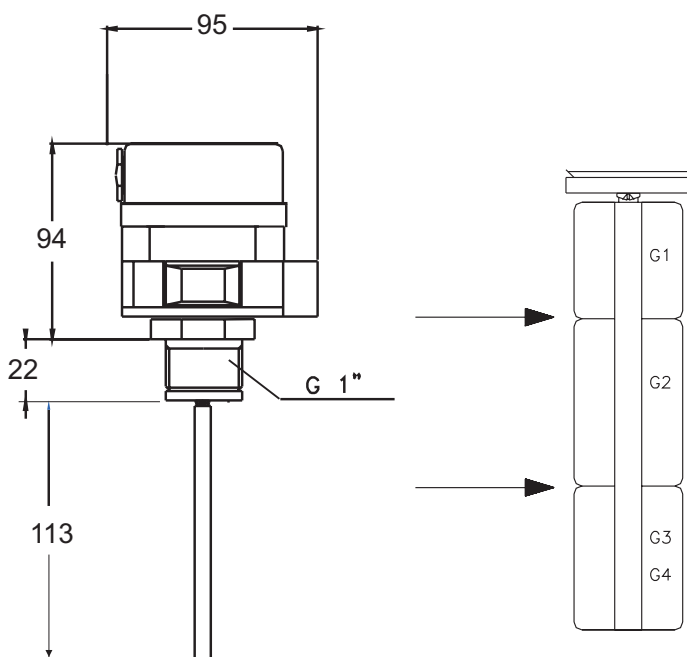
FSH10PLC	On flow rate
	20 l/min

The FSHPLC can be used to control some other equipment or process via a PLC.

It could be for controlling a circulating or centrifugal electric pump that is providing increased pressure or flow within water systems with storage tanks.

The FSHPLC switches the output, once the flow rate through the pipe exceeds 20 l/min.

A flow of less than 20 l/min, whether due to a lack of supply (e.g. tank empty) or to a decrease in demand (e.g. tap closing), will turn the output off again.



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## FSHPLC

### *Flow switch for connection to PLC*

#### Installation information

The flow switch is designed to be used in a horizontal pipe with the switch mounted through a side entry. Pipe connection is G1" (1"BSP). The device relies on the flow of liquid working in opposition to the spring loaded paddle.

The liquid flow moves the paddle within the pipe, when the flow increases beyond the minimum specified level. A magnet mounted on the head of the paddle closes a magnetic switch in the control circuit.

The output switch will open, if the flow drops below the specified level and the paddle has returned to the rest position.

The output is a SPNO switch with contacts rated to 1mA/5Vac.

