

WATER FLOW ALARM SWITCH



- Insertion Type: 3/4" BSP.
- LPCB Approved to BS EN 12259-5.
- DN 50 to 150 mm Sizes.
- DPCO Alarm Output.
- 30 or 90 sec. Maximum Adjustable Retard.

SprinklerSense SPDB 30/90 is approved by LPCB as a water flow alarm switch, incorporating solid state sensing technology and electronics to provide heightened levels of switch performance and reliability.



Separate built in intelligence also allows the unit to perform functions of self check, water presence, temperature and leak detection. These can be communicated via the supervisory output relay or through a test interface unit.



Specification and Ordering codes.

Construction

Sensor :	Stainless steel.
Connection to pipe:	3/4" BSPT male .
Switch housing :	Powder coated aluminium.
Protection:	IP65.

Flow Specification

Adjustable retard to:	30 or 90* secs.
Flow sensitivity :	20 to 40 LPM.
Pressure loss:	<0.05 bar
Temperature range:	3 to 68 °C
Service pressure:	20 bar max.

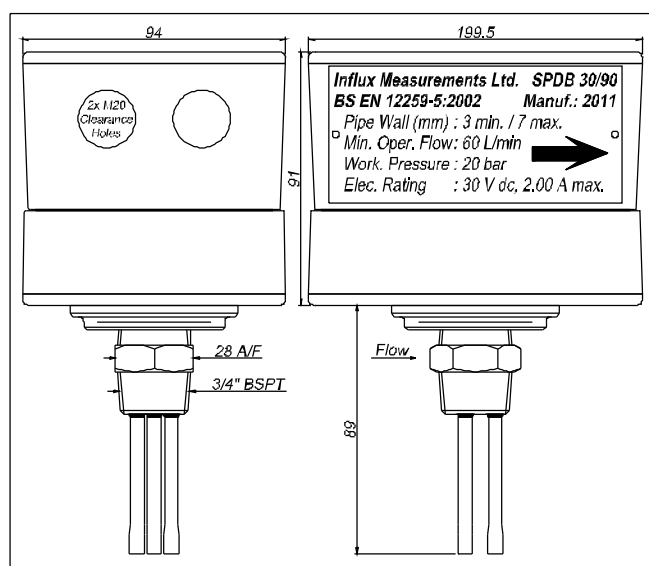
Electrical & Flow Alarm Output

Alarm DPCO relay:	24 V DC, 500 mA.
Power supply:	9 to 30 volts DC.
Power use:	1 watt.
Conduit entries:	2 x 20mm

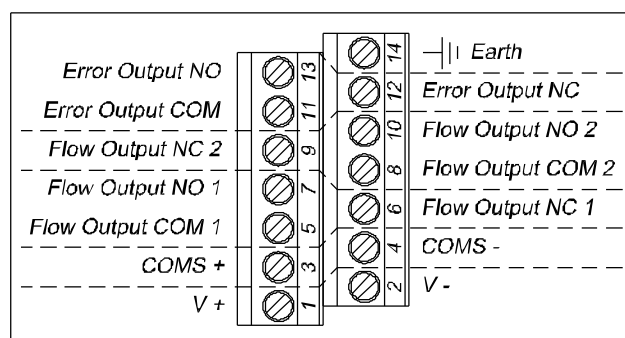
Supervisory Output

Supervisory SPCO relay:	24 V DC, 500 mA.
Conditions detectable:	Self check fault
(each can be disabled.)	Dry pipe
	Temp < 2 °C
	Leak flow

Overall Dimensions



Electrical Connections



* BS EN 12259-5 Clause 4.6.1 allows a maximum 30sec delay. The 90sec delay option has also been approved and tested by LPCB for applications where a longer delay is needed.

Order Codes: LPCB Approved Switch

	Maximum Delay seconds	Nominal Pipe Size mm (inches)
SPDB	30	50
	30 90*	50 (2") 65 (2½") 80 (3") 100 (4") 125 (5") 150 (6")



Assessed to ISO 9001:2008
LPCB Cert No. 464

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