

Pulse Sensing Flow Switch

Applications

Monitoring the performance of Solenoid Dosing Pumps
Comparison of pump pulse instruction and actual output
Water treatment industries
Pulse counting in chemical injection systems
Hazardous area options

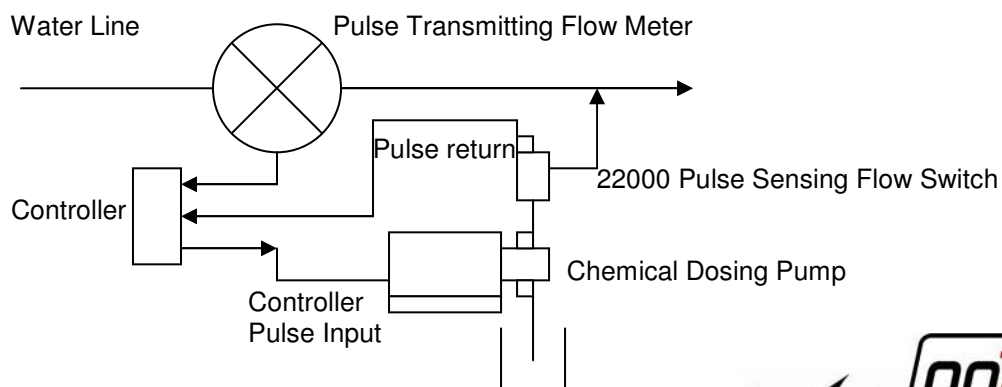
Design Features

Inductive Proximity for high sensitivity
Switches compatible with PLC controllers
Pulse rate counting up to 150 strokes per min
Pulse counting with long time intervals
Flow rates up to 100 l/hr
Individual pulse volumes down to 0.09 cc
Local indication of flow switch operation
PVC or ABS materials for wide chemical resistance
NAMUR version for hazardous areas

Technical Data

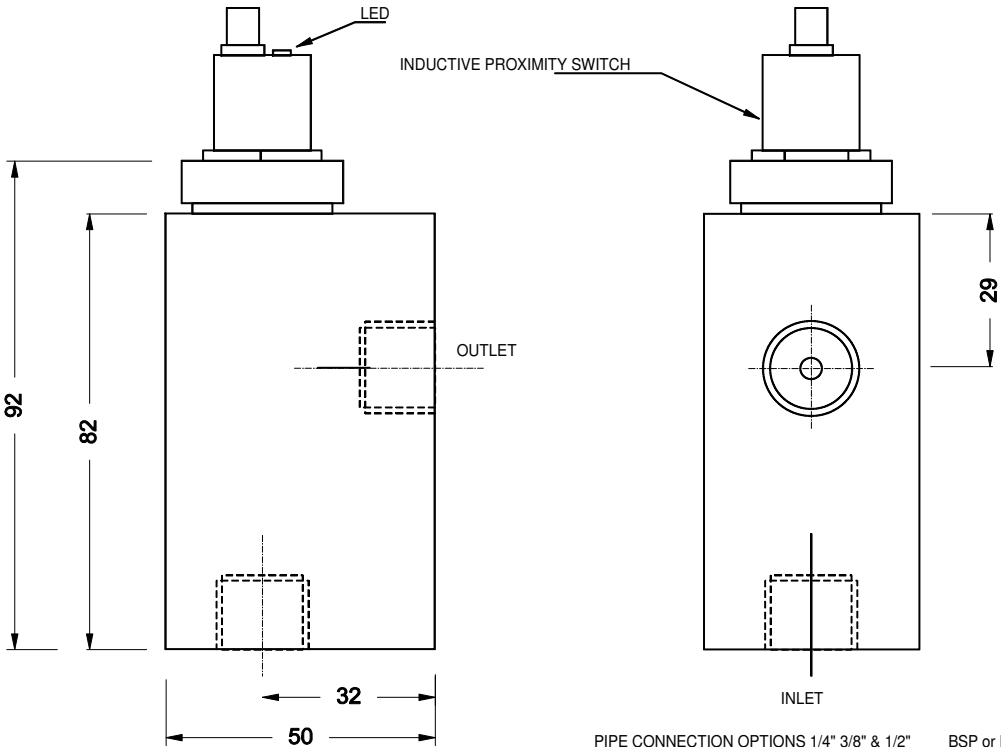
Design pressure 15 bar g
Pipe connections 1/4", 3/8" and 1/2" BSP P or NPT
Inlet vertical, outlet horizontal
Switch rating 10-60Vdc 400mA
Switch connection 3-wire PNP N/O
Switch protection IP67

Typical Circuit Layout



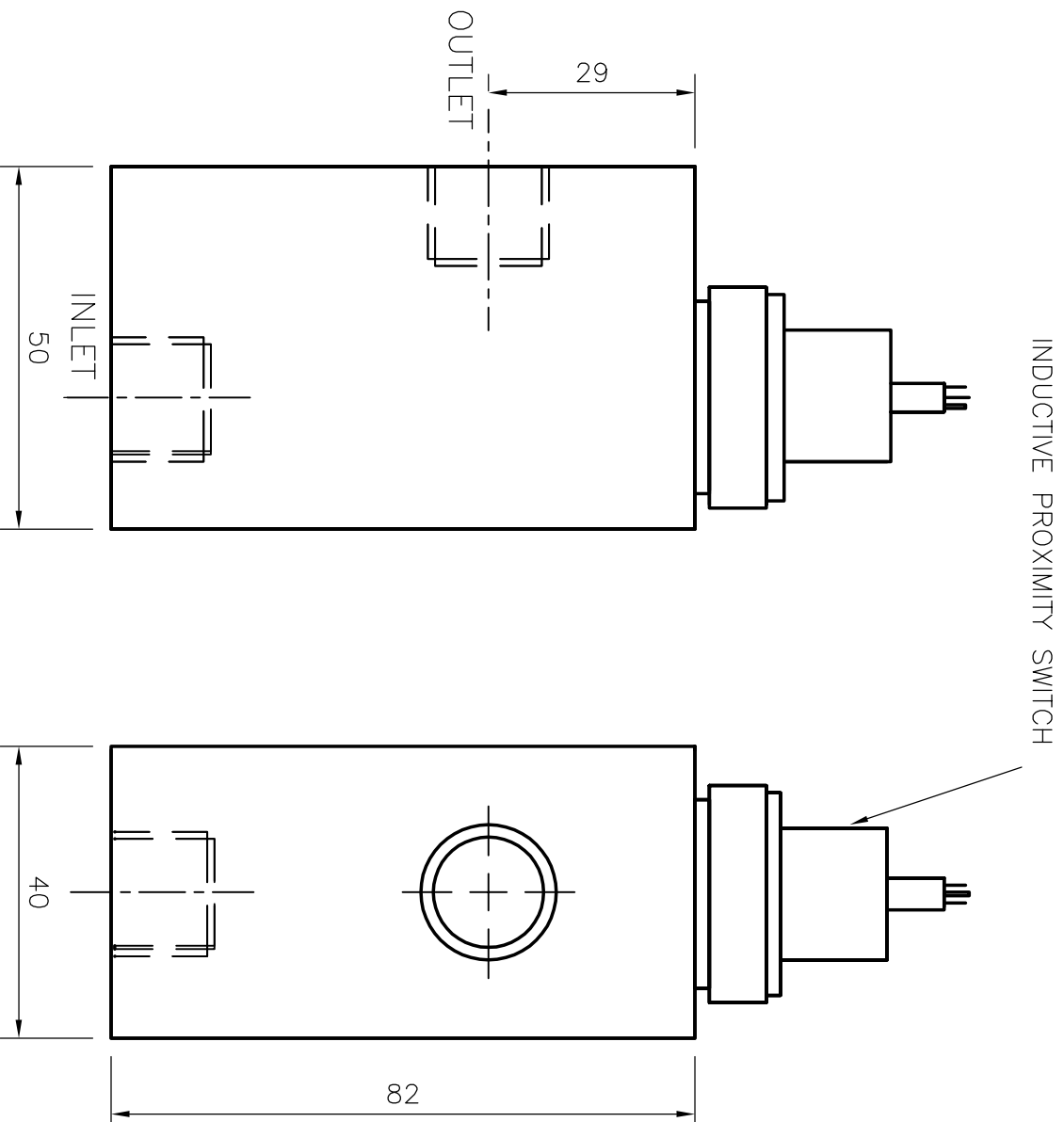
Pulse Sensing Flow Switch

Series 22000 Pulse Sensing Flow Switch Data Sheet



PIPE CONNECTION OPTIONS 1/4" 3/8" & 1/2" BSP or NPT
MOUNT THE FLOW SWITCH VERTICALLY FLOW UPWARDS
POSITION IN PIPEWORK CLOSE TO THE PUMP OUTLET





INDUCTIVE PROXIMITY SWITCH

SWITCH SPECIFICATION

SUPPLY VOLTAGE 10-60Vdc
 MAXIMUM LOAD 400mA
 PROTECTION IP67
 SWITCH TYPE INDUCTIVE PROXIMITY
 3 WIRE PNP N / OPEN

WIRE CONNECTIONS

BROWN POSITIVE
 BLUE NEGATIVE
 BLACK LOAD CONNECTION
 SEE SWITCH LABEL

PROCESS CONNECTIONS

MAXIMUM CAPACITY 25 LITRES / HOUR
 SINGLE PULSE
 MINIMUM CAPACITY 0.09 cc

INSTALLATION

MOUNT THE FLOW SWITCH VERTICALLY
 WITH THE INLET AT THE BOTTOM
 POSITION CLOSE TO THE PUMP OUTLET

ALL DIMENSIONS IN mm

ISSUE DESCRIPTION		DO NOT SCALE IF IN DOUBT ASK	SCALE:	3rd ANGLE PROJECTION	
1	ORIGINAL	DRAWN: MRH	CHECKED:	APP'D	DATE
				08/10/10	
<p>Instruments & Controls Ltd Tel: +44 (0) 118 931 1188 Fax: +44 (0) 118 931 2161 email: projects@able.co.uk web: www.able.co.uk</p>					
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CUSTOMER:		N/A			
CLIENT:		N/A			
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ABLE REF.:		N/A			
PROJECT:		N/A			
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PULSE SENDING FLOW SWITCH					MS100629
SHT. 1					OF 1