

LF Flow switch

STANDARD SPECIFICATION

BODY Brass (CZ121) or 316 Stainless Steel

FLOAT Brass (CZ121) or 316 Stainless
Steel with an encapsulated magnet

CONNECTIONS 1/2" or 3/4" BSP Female

TEMPERATURE RATING -20 to 105°C

PRESSURE RATING 70 bar maximum @ 20°C

SWITCH FUNCTION Single Pole Single Throw (S.P.S.T.)
Normally open - Open circuit for
low flow alarm. Closed circuit for
high flow alarm

SWITCH RATING Maximum values for resistive load
are 400V d.c., 240V a.c., 500mA, 10W

OPERATING LIFE 2 x 10⁶ @ 240V a.c., 100mA or
50Vd.c., 100mA

LEAD 300mm. 2 Cores with 8mm tinned
bare ends. Teflon insulation,

ACCURACY ±10%

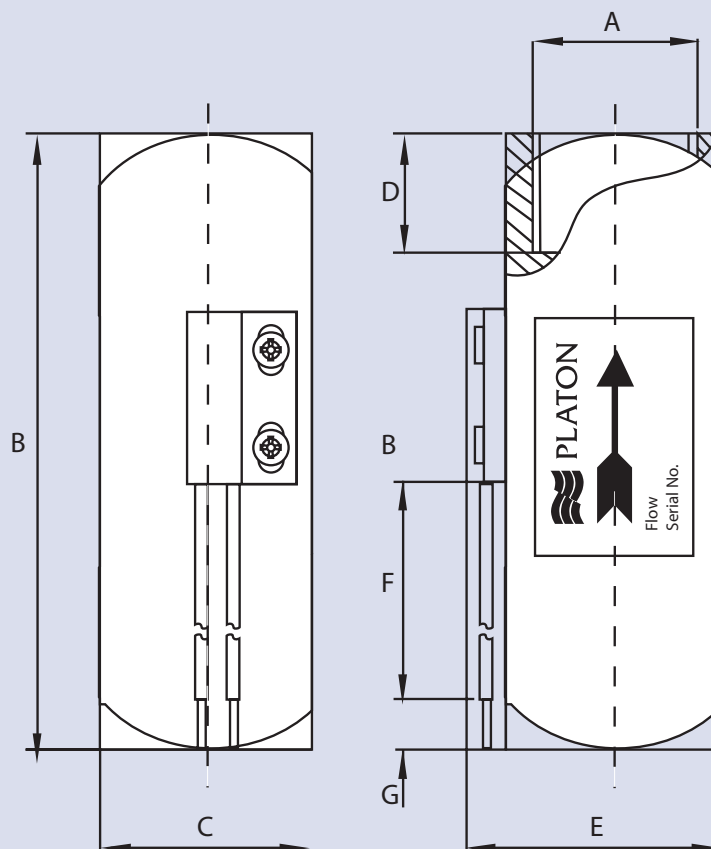
HYSTERESIS less than 5%

INSTALLATION

1. Remove all packaging and inspect internally to check that float movement is not inhibited.
2. The flowswitch should be fitted in a vertical pipeline (±5°) with the flow direction arrow upwards.
3. Before the instrument is installed, the pipework should be cleared of any foreign matter likely to inhibit the meters performance. A 50 micron filter should be fitted upstream of the instrument, if particles larger than this might be present in the process fluid.
4. The upstream & downstream pipe bores should be of the same nominal size as the instrument. Minimum upstream & downstream pipe lengths should be 150mm.
5. Ensure that any ferro-magnetic material is clear of the reed switch by 100mm minimum.
6. The alarm settings are for falling flow where the switch contacts open and the resetting flow where the contacts make.

MAINTENANCE

1. This instrument should not normally require any maintenance, but if the performance of the flowswitch is in doubt remove the instrument from the pipework and clean out any deposits or debris that may have restricted the float movement. Longer term maintenance may require that the reed switch will need replacing. Reed Switch code number - 27740.
2. When replacing the reed switch ensure that it is centralised about the screws.



SIZE	A	B	C	D	E	F	G
1/2"	1/2" BSP	90	25.4Sq	12	31	202	8
3/4"	3/4" BSP	100	34.9Sq	20	41		

CUSTOMER
REFERENCE No.
TAG No.
INSTRUMENT
FLOW
FLUID
CONDITIONS
CONNECTIONS
OUR REFERENCE
DRAWN BY
APPROVED BY
DAT

ISSUE	DATE	C/N
1	01/06/94	ISSUE

Every effort has been made during the preparation of this document to ensure the accuracy of statements and specifications. However, we do not accept liability for damage, injury, loss or expense caused by errors or omissions made. We reserve the right to withdraw or amend products or documentation without notice.

Head Office: 2 Downgate Drive, Sheffield, S4 8BT, England
 Tel: +44(0)114 244 2521 Fax: +44(0)114 243 4838



RM&C Roxspur
 Measurement
 & Control Ltd

1-4 Campbell Court, Bramley, Tadley, Hampshire, RG26 5EG, England

Tel: +44(0)1256 884901 Fax: +44(0)1256 882986

email: sales@roxspur.com www.roxspur.com



CERTIFICATE No. FM22358