



STANDARD LEVEL CONTROLLERS

(FS1120 STANDARD FLOAT SWITCH)



- Suitable for general purpose weatherproof applications, in single, dual or multi-level switching
- Chamber enclosed versions can be supplied, fully tested and approved to the required standard
- All wetted parts in 316 Stainless Steel
- Single access hole for multi-level switching
- Available in top, bottom or side mounting models
- Constructed to customer individual requirements

Alan Cobham Engineering Limited have designed and manufactured many versions of the type 'S' float switch to suit individual specifications. The switch is available for top, side or bottom mounting to suit requirements. The float switch is Lloyds approved to certificate No. 90/0022.

Specification

<i>Materials of construction -</i>	All wetted parts of 316 stainless steel		
<i>Temperature rating -</i>	See Table I		
<i>Maximum working pressure -</i>	P2: 28 kg/cm ²	S2: 17.5 kg/cm ²	
<i>Float availability -</i>	P2: Plasticell	S2: Stainless Steel	
<i>Reed switch availability -</i>	See Table 1		
<i>Wiring colour code (P.T.F.E.)</i>	Top switch: White	Second switch: Red	Third switch: Black
<i>Weatherproof -</i>	To IP67 when fitted with a suitable gland		

Conversion flanges in mild steel or stainless steel are available to enable the float switch to be bolted to larger flanges. Further details are available on request.

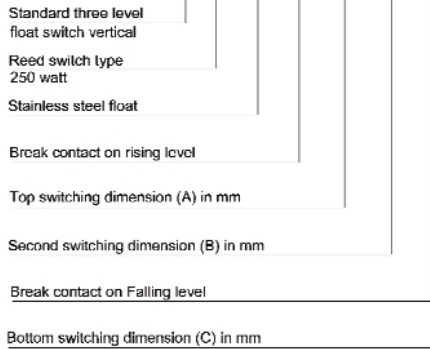
Specification	Reed Switch Designation			
	Single Pole Single Throw (SPST)			Changeover (SPCO)
Type :	40 RS18	250 RS7	500 RS10	60 RS13
Max voltage AC	250	250	440	240
Max voltage DC	100	250		300
Max current amps	0.5	3.0	2.0*	2.5
Max wattage	40	250	500	60
Max surge amps	-	-	10*	-
Max operating temp	150 C	150 C	125 C	150 C
Min operating temp	-40 C	-40 C	-50 C	-40 C
Contacts	Rhodium	Rhodium	Tungsten	Rhodium

Table 1

(* at 240V)

Typical Ordering Code

FS1120 /N/3/250/S2/BOR/380/500/BOF/700

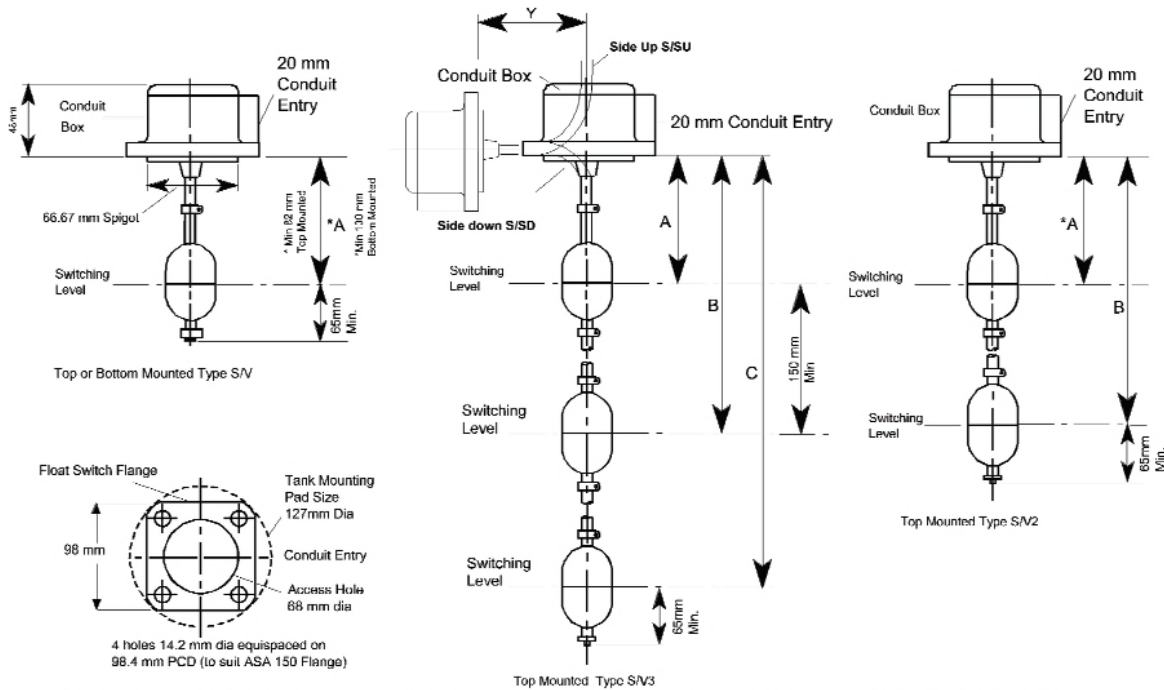


Ordering Procedure : PRODUCT CODE

Standard single level float FS1120/N/1/P/B/A
 Standard two level float switch : FS1120/N/2/ / / B/
 Standard three level float FS1120/N/3/ / / / C/
 Standard side down float switch: FS1120/SD/ / / /
 Standard side up float switch: FS1120/SU/ / / /

NOTES

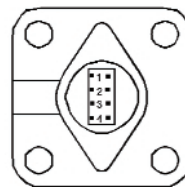
- 1) Reed switch type - (see table 1)
- 2) Float type
- 3) Switching Action



* Minimum switching dimensions dependent on specific gravity and switch condition (BOR MOR)

Terminal Block Connections:

Contact			Contact		
Single Level S	2	Grey	Single Level S	2	White
Type 500	3	Grey	No Type 500	3	White
Two Level S	1	Orange/Grey	Two Level S	1	Red/White
Type 500	2	Grey	No Type 500	2	White
	3	Orange		3	Red
Two Separate S	1&2	Grey	Two Separate S	1&2	Grey
Type 500	3&4	Orange	Type 500	3&4	Orange
Three Level S	1	Red/White/Black			
3 Level	2	White			
	3	Red			
	4	Black			



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