PADDLE FLOW SWITCH FOR LIQUIDS

FS25R – WEATHER PROOF FS25X – EXPLOSION PROOF

Easy installation into existing pipe
For a wide range of pipe size from diameter 25 to 200
Reed switch provide a SPDT contact function
Max. pressure rating 1500 psi (st. steel)



FS25R FS25X

Technical Data

FS25R

Operation temperature: -30 ~ +120°C
Reed switch: 250VAC/DC 60W/VA
Carrying current: 1A
Wire conduit: ½" NPTF
Protection class: IP65
Material: Housing– Aluminum alloy;
Body– SS316 + Teflon; Plate– stainless steel 301
Optional: other materials available upon request

Pipe Size	Flow Rates Required to Actuate, Deactuate (m³/h) Water at 25°C		Process Connection NPT
	Actuate (ON)	Deactuate(OFF)	
1"	1.4	1.05	1"
1¼"	1.45	1.1	1"
1½"	1.5-2	0.9-1.5	1"
2"	3-4	2-4	1"
2½"	4-5	3-4	1"
3"	6-7	5-6	1"
4"	10-14	8-10	1"
6"	20-30	12-17	1"
8"	30-35	25-30	1"

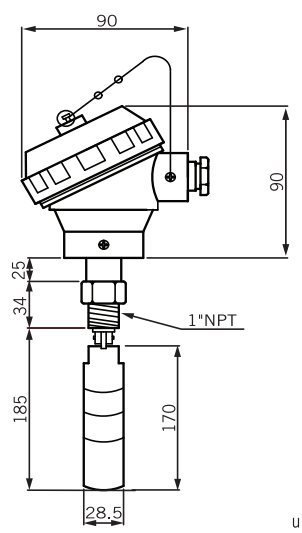
FS25X

Operation temperature: -30 ~ +120°C
Reed switch: 250VAC/DC 60W/VA
Carrying current: 1A
Wire conduit: ½" NPTF
Protection class: Explosion proof
ATEX directive code: II 2 G D
Standard code: Ex d IIC T6, Ex tD A21, T100°C IP6x Ta= -20°C to +40°C
FM Approvals: XP/I/1/ABCD/T6; DIP/II, III/1/EFG/T6; Type 4X, Explosion proof for class I, Division 1, Groups A,B,C and D; and dust-ignitionproof for class II, III Division 1, Groups E,F, and G, hazardous (classified) locations; indoor/outdoor (NEMA Type 4X).
Material: Housing– Aluminum alloy-standard, SS316 available;
Body– SS316 + Teflon; Plate– stainless steel 301
Optional: other materials available upon request

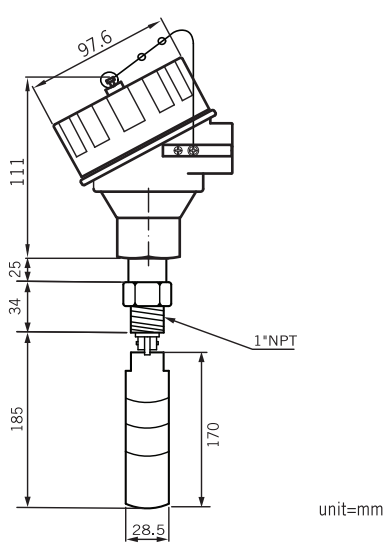
Pipe Size	Flow Rates Required to Actuate, Deactuate (m³/h) Water at 25°C		Process Connection NPT
	Actuate (ON)	Deactuate(OFF)	
1"	1.4	1.05	1"
1¼"	1.45	1.1	1"
1½"	1.5-2	0.9-1.5	1"
2"	3-4	2-4	1"
2½"	4-5	3-4	1"
3"	6-7	5-6	1"
4"	10-14	8-10	1"
6"	20-30	12-17	1"
8"	30-35	25-30	1"

Dimensions

FS25R



FS25X



WWW.NEW-FLOW.DE | Tel: +49 3682 49099 | Fax: +49 3682 49093 | E-Mail: info@mess-regel.de