

## Description

JWFS series liquid flow paddle switch, suited for pipes of industrial plants: heating and air conditioning, refrigeration systems and heat pumps. Flow control of water and normal media.



## Technical Data

Model	JWFS
Type of operation	On/off, single-stage, micro switch
Output	SPDT 15(8A)24/250VAC
Flow rates	See flow rate table
Flow rate setting adjustment	Internal screw
Sensing element	Paddle
Liquid applications	Hot, chilled, well, pool and sea water, brine or ethylene glycol
Parts material in contact with fluid	Brass
Paddle material	Stainless steel
Liquid temperature	-20°C ... 120°C
Permissible ambient temperature	-40°C ... 85°C
Permissible ambient humidity	10 ... 90%RH, non-condensing
Cable entry	M18 Fitting
Protection	IP65
Color	Gray
Weight	1.3Kg

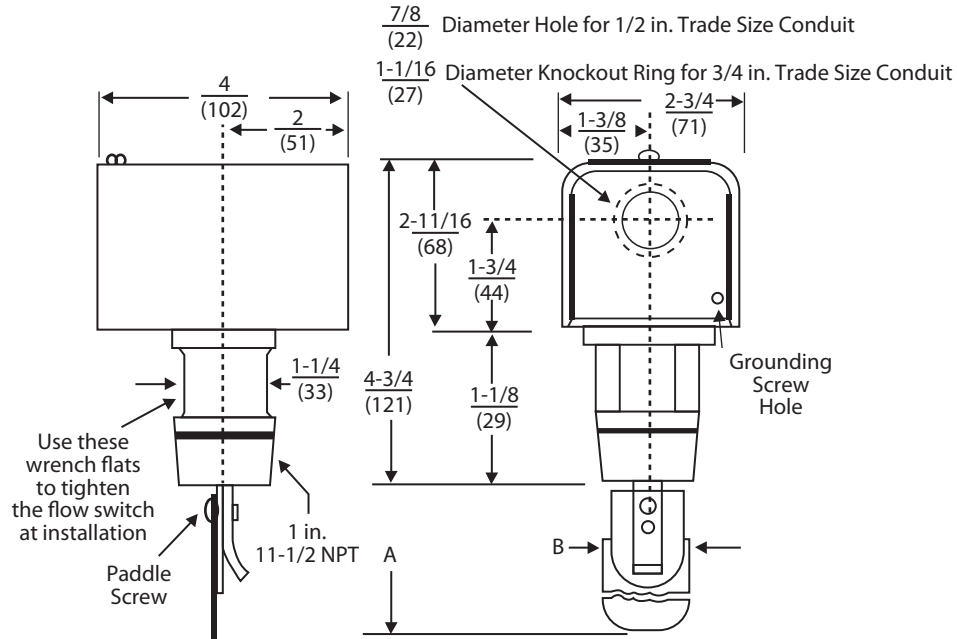
## Models

Model	Connection
JWFS-1	1/2"-14 NPT
JWFS-2	3/4"-14 NPT
JWFS-3	1-11 NPT12

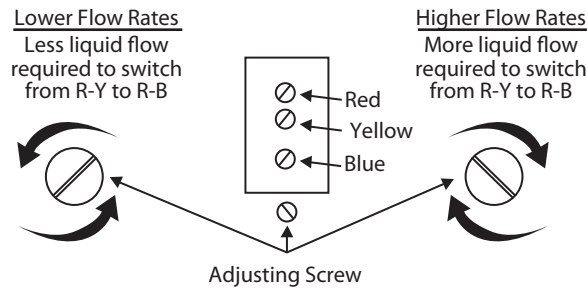
## Liquid Flow Rate Table

GPM(m³/hr)Required to Actuate Switch											
Line Pipe Size(in.)		1	1-1/4¹	1-1/2¹	2	2-1/2²	3	4³	5³	6³	8³
Minimum Adjustment	Flow Increase (R to Y Closes)	4.2 (0.95)	5.8 (1.32)	7.50 (1.70)	13.7 (3.11)	18.0 (4.09)	27.5 (6.24)	65.0 (14.8)	125 (28.4)	190 (43.2)	375 (85.2)
	Flow Decrease (R to B Closes)	2.20 (0.57)	3.70 (0.84)	5.00 (0.84)	9.50 (2.16)	12.5 (2.16)	19.0 (4.32)	50.0 (11.4)	101 (22.9)	158 (35.9)	320 (72.7)
Maximum Adjustment	Flow Increase (R to Y Closes)	8.80 (2.00)	13.3 (3.02)	19.2 (4.36)	29.0 (6.59)	34.5 (7.84)	53.0 (12.0)	128 (29.1)	245 (55.6)	375 (85.2)	760 (173)
	Flow Decrease (R to B Closes)	8.50 (1.93)	12.5 (2.84)	18.0 (4.01)	27.0 (6.13)	32.0 (7.27)	50.01 (11.4)	122 (27.7)	235 (53.4)	360 (81.8)	730 (166)

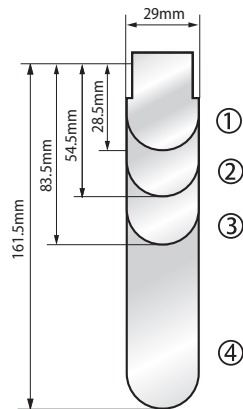
### Dimensions (mm/inch)



### Electrical Wiring



### Paddles



Install Paddle	
Pipe	No.
1"	1
1 1/4"	1
1 1/2"	1
2"	1,2
2 1/2"	1,2
3"	1,2,3
4"	1,2,3
4"Z	1,2,3,4
5"	1,2,3
5"Z	1,2,3,4
6"	1,2,3
6"Z	1,2,3,4
8"	1,2,3
8"Z	1,2,3,4