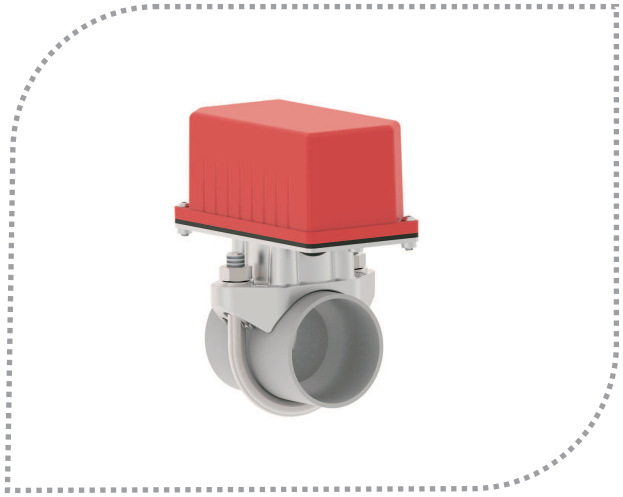
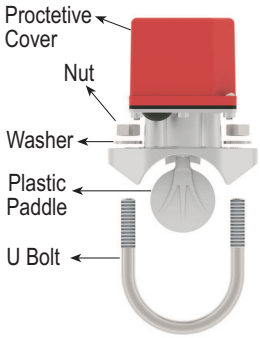
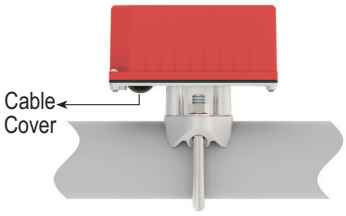
EFS is used in order to check whether there is flow or not inside of pipe. In order to secure electrical equipment's safety and return malfunction signal; flow switches are useful as they are providing open/close switches regarding the flow. Can be used with variety of liquids if not corrosive. Time delay is available with the help of a hand wheel while adjustment screw is set by default before delivery. Users can change according to their applications.







EFS FLOW SWITCH

EFS 1050
EFS 1065
EFS 1080
EFS 1100
EFS 1125
EFS 1150
EFS 1200

Advantages:
Time delay can be adjustable
Double contact output.
Can be connected with U-Bolt.
Suitable for fire lines.

CE

Model : 47-2021-002

Technical specifications: **EFS 1000**

Working pressure	31 bar (450 PSI)
Test Pressure	62 bar (900 PSI) % 100
Working temperature	4.5 °C - 50 °C (40 °F - 120 °F)
Time Delay	60...90 sec.
Contact	2 x 10 Amp. 125 / 250 VAC
	2.5 Amp. 6 / 12 / 24 VDC

Nominal Pipe Diameter		Diameter of Pipe Hole		U-Bolt Torque Value	
inch	mm	inch	mm	ft-lb	nm
2	DN50				
2 1/2	DN65	1,25 + 0,125 / - 0,62	33,0 ± 2,0	20	27
3	DN80				
4	DN100				
5	DN125				
6	DN150	2.00 ± 0,0125	50,8 ± 2,0	20	27
8	DN200				

Applications :
Fire systems, irrigation systems, low viscosity oil and acids, heating and cooling systems, water installations.

ATTENTION PLEASE

* Please do not start to installation without reading the instruction vmanual.
* Installation must be carried out by qualified personnel in accordance with national and international regulations.
* Disconnect power source before service.

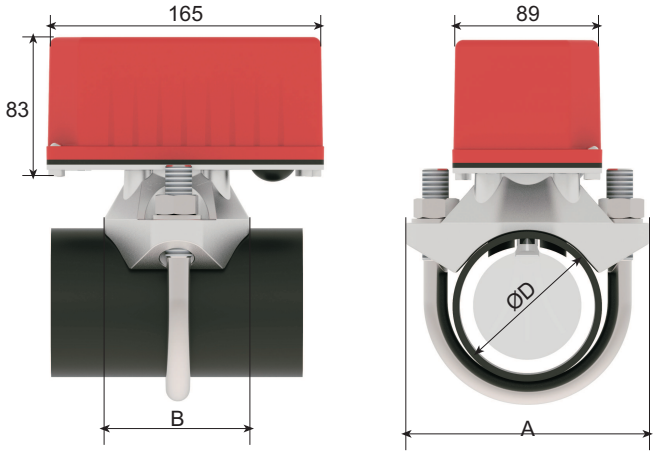
WARNING !

* The direction of the arrow on the flow switch must be mounted in the same direction as the water flow direction. Otherwise the product will not work.
* The installation line of the flow switch must be equipped with a strainer. The water in the line should be clean water.
* The pipe material and wall thickness of the pipe must comply with international fire protection regulations. (NFPA 13).

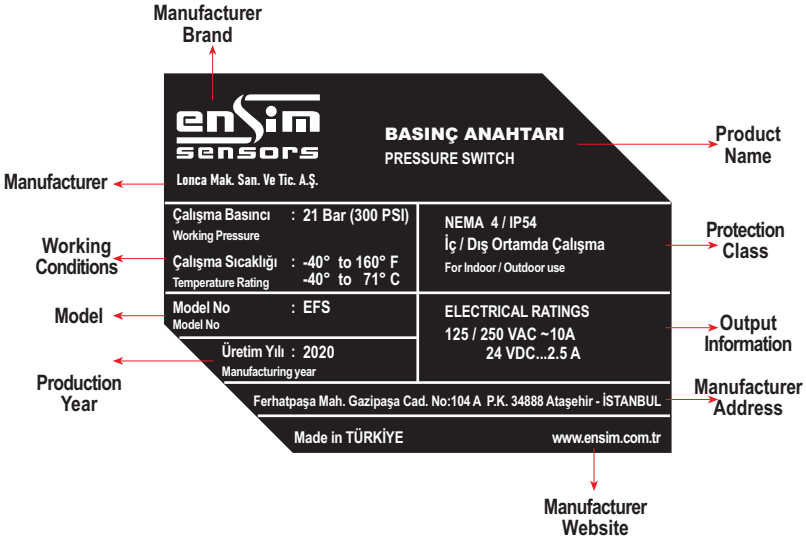
	A	B	ØD
DN 50	125	68	51.3
DN 65	125	68	63
DN 80	146	87.5	77.8
DN 100	173	88	100
DN 125	218	90	129.7
DN 150	238	90	152.3
DN 200	178	90	208.1

* In order to install the flow switch it must be drilled pipe diameters.
* Bend the plastic paddle with your hand and fit it through the hole.
* First, U-bolt is installed with the help of nuts and washers and with the proper tightening torque.

Dimensions:



Product Label :

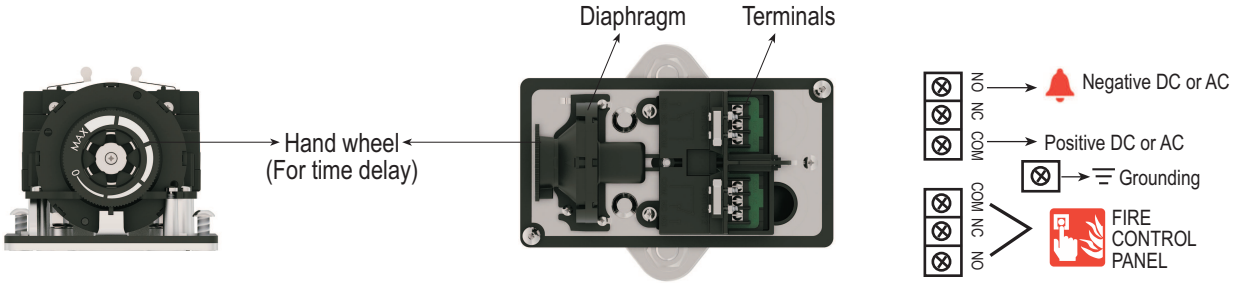


Electrical Connection :

* In order to start electrical connection the red protective cover should be removed with the help of the special wrench in the box.
* After removing the red protective cover, NO, NC and COM sections will be visible which connected to two separate switches.
* A visual or audible alarm can be received with one of the these switches. Other switch can be sent signal to the fire control panel.
* Use the cable cover input for the arrangement of the cable connections.
* After making the electrical connections, check whether the desired signals are received from the product.
* The delay can be adjusted by rotating the the Retard Adjustment Wheel from 0 to max setting.

* The red protective cover of the flow switch must be closed after the desired connections have been made.

* Each month periodically; water flow switch should be checked for leaks and with help of the test and drain valve on the pipe line, water flow switch should be checked signaling.



Order Form: Please consider sample models when coding!..

1 MODEL EFS

Std. .....,.....1

2 CERTIFICATE

None.....0

(EN10204-3-1) Material Certification.....1

3 PIPE DIAMETER

DN 50 (2”).....050
DN 65 (2 1/2”).....065
DN 80 (3”).....080
DN 100 (4”).....100
DN 125 (5”).....125
DN 150 (6”).....150
DN 200 (8”).....200

4 OPTIONAL

None...../ 0

SAMPLE

EFS 1065 - 0 / 0

EFS 1065 Flow Switch , DN65

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