WOIMA-TUOTANTO OY

WATERFLOW DETECTOR

Model AGDF

Vane type waterflow alarm switch with retard



PRODUCT DESCRIPTION

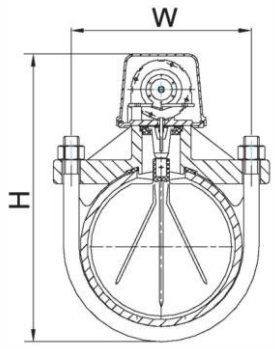
Flow indicator AGDF, usually installed in the system side of the pipe or pipe branch pipe. After a certain time delay, when the water flow detected by the saddle, the water flow signal is converted into electrical signals, and electrical switch turn-on start-up Alarm system or directly start the fire pump and other electrical equipment, and can display the fire occurred area.

TECHNICAL DATA

Model	AGDF
Nominal pipe size	2” DN50, 2 ½” DN65, 3” DN80, 4” DN100, 5” DN125, 6” DN150, 8” DN200 & 10” DN250 10” DN250 is just UL & CE listed.
Working pressure	UL/FM: 460 psi (32 bar) for 2” to 8” UL: 300 psi (21 bar) for 10” CE: 16 bar
Temperature range	UL/FM: 0ºC – 49ºC CE: 0ºC – 68ºC
Flow sensitivity range for signal	UL/FM: 4 to 10 gpm (15 to 38 lpm) CE: 30-57 lpm
Contact ratings	UL/FM: 8A at 250VAC, 3A at 24 VDC, 2.5A at 30 VDC CE: 8A at 125/250VAC, 3A at 24 VDC
Material specifications	Saddle: Aluminium B85 A04130 Cover: PC / Aluminium B85 A04130
Service use	Automatic Sprinkler NFPA-13 One- or two-Family dwelling NFPA-13D Residential occupancy up to four stories NFPA-13R National Fire Alarm Code NFPA-72 Components for sprinkler and water spray systems - Part 5: Water flow detectors EN 12259-5

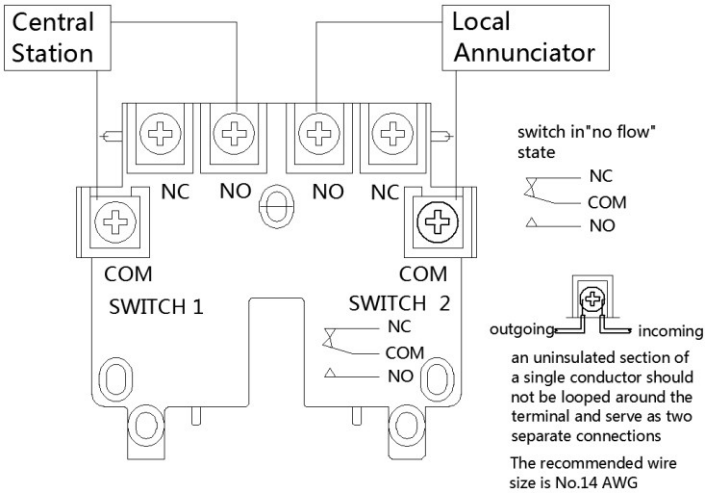
Woima-Tuotanto Oy | Niemeläntie 1 A, 20780 Kaarina | www.woimatuotanto.fi | woimatuotanto@woimatuotanto.fi

DIMENSIONS



Size (in.)	DN (mm.)	W (mm / in.)	H (mm / in.)	Outside pipe diameter (mm / in.)	PIPE WALL THICKNESS Sch.10-Sch.40 (mm/in.)
2”	DN50	84 / 3.31	188 / 7.40	60.3 / 2.375	2.77-3.91 / 0.109-0.154
2 ½”	DN65	92 / 3.62	200 / 7.87	73.0 / 2.875	3.05-5.16 / 0.120-0.203
3”	DN80	104 / 4.09	220 / 8.66	88.9 / 3.500	3.05-5.49 / 0.120-0.216
4”	DN100	133 / 5.24	245 / 9.65	114.3 / 4.500	3.05-6.02 / 0.120-0.237
5”	DN125	160 / 6.30	272 / 10.71	141.3 / 5.563	3.40-6.55 / 0.134-0.258
6”	DN150	187 / 7.36	298 / 11.73	168.3 / 6.625	3.40-7.11 / 0.134-0.280
8”	DN200	240 / 9.45	350 / 13.78	219.1 / 8.625	3.76-8.18 / 0.148-0.322
10”	DN250	294 / 11.57	405 / 15.94	273.1 / 10.750	4.19-9.27 / 0.165-0.365

TYPICAL ELECTRICAL CONNECTIONS



ORDERING INFORMATION

SIZE	CODE
2” DN50	AGDF050
2 ½” DN65	AGDF065
3” DN80	AGDF080
4” DN100	AGDF100
5” DN 125	AGDF125
6” DN150	AGDF150
8” DN200	AGDF200
10” DN250	AGDF250

Specify:

Model	
Quantity	
Size	

Woima-Tuotanto Oy | Niemeläntie 1 A, 20780 Kaarina | www.woimatuotanto.fi | woimatuotanto@woimatuotanto.fi