



Certificate of Compliance

FIRE PROTECTION EQUIPMENT

This certificate is issued for the following Vane-Type Waterflow Alarm Indicators equipment:

Equipment Model Designation(s): Safe Signal Models WFDxxN, WFDxxVN, WFDxxNA, WFDxxEN, WFDxxEPN Saddle-Mount And Model WFDTN, WFDTVN, WFDTNA, WFDTNRN, WFDTHRN and RFDTHN T-Tap Style

Approval Guide Listing: Category: 1042

Automatic Sprinkler Systems Waterflow Detectors, Vane Type

Prepared for:

Potter Electric Signal Co LLC
1609 Park 370 Place
Hazelwood MO
63042
United States

Manufactured at:

Proansa
Blvd. Eje 1 S/N
esquina con Eje A
Sonora Navojoan 85895
Mexico

This certifies that the equipment described has been found to comply with the applicable requirements, as stated in the Approval Report(s), of the following FM Approval Standards and other documents:

Approval Standards

<i>Class Number</i>	<i>Date</i>
1042	2000

Other Standards

<i>Organization, Designation</i>	<i>Date</i>
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Original Approval Job Identification: 3051266

Approval Granted: May 9th 2014

Related Report: none

Subsequent Revisions: RR228524

To verify the availability of the Approved product, please refer to www.approvalguide.com

J.E. Marquedant
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1151 Boston-Providence Turnpike,
Norwood MA, 02062 USA

14 July 2021

Date



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Certificate of Compliance

☞ Automatic Sprinkler Systems ☞ Waterflow Detectors, Vane Type

Safe Signal Models WFDT, WFDTH, WFDTNR, WFDTHRN, WFDTNRN

Product Specification

Model No	Description	Valve Size	
		in	(mm)
WFDT	Indoor / Outdoor Use	1, 1-1/4 1-1/2 Steel/Brass	(N/A)
		1, 1-1/4, 1-1/2, 2 Sweat Brass	
		1 CVPC	
WFDTH	Indoor Use Only	1, 1-1/4 1-1/2 Steel/Brass	(N/A)
		1, 1-1/4, 1-1/2, 2 Sweat Brass	
		1 CVPC	
WFDTHRN	Non-retarding Waterflow Detector	1, 1 1/4, 1 1/2 and 2 inch threaded ferrous or brass tee with 1, 1 1/2 and 2 inch vanes	(N/A)
		1, 1 1/4, 1 1/2 and 2 copper sweat tee with 1, 1 1/2, 2 inch vanes	
		Tyco, Spears, Victaulic and NIBCO brand 1 inch CPVC tees	
WFDTNRN	Non-retarding Waterflow Detector	1, 1 1/4, 1 1/2 and 2 inch threaded ferrous or brass tee with 1, 1 1/2 and 2 inch vanes	(N/A)
		1, 1 1/4, 1 1/2 and 2 copper sweat tee with 1, 1 1/2, 2	



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Model No	Description	Valve Size	
		in	(mm)
		inch vanes	
		Tyco, Spears, Victaulic and NIBCO brand 1 inch CPVC tees	
WFDTNR	Indoor / Outdoor Use Non-retarding Waterflow Detector	1, 1-1/4 1-1/2 Steel/Brass 1, 1-1/4, 1-1/2, 2 Sweat Brass 1 CVPC	(N/A)

Safe Signal Model WFDT is intended for indoor / outdoor use and has a 250 psi (1725 kPa) rated working pressure. Model WFDT has two snap switches and pneumatic retard. Contacts rated for 10 A at 125/250 VAC, 2.5 A at 24 VDC. The operating temperature range is 32°F to 120°F (0°C to 49°C).

Safe Signal Model WFDTH is intended for indoor use only and can be installed between 2 x 4 stud wall construction. The Model WFDTH has a 250 psi (1725 kPa) rated working pressure and has two snap switches and pneumatic retard. Contacts rated for 10 A at 125/250 VAC, 2.5 A at 24 VDC.

Safe Signal Model WFDTNR is intended for indoor / outdoor use and is a non-retard version of the Model WFDT. Model WFDTNR has a 250 psi (1725 kPa) rated working pressure and has two snap switches. Contacts rated for 10 A at 125/250 VAC, 2.5 A at 24 VDC. The operating temperature range is 32°F to 120°F (0°C to 49°C).

Automatic Sprinkler Systems ☒ Waterflow Detectors, Vane Type

Safe Signal Models WFDxxN, WFDxxVN, WFDxxNA, WFDxxEN, WFDxxEPN
Branded: Safe Signal



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Safe Signal Models WFDxxN, WFDxxVN, WFDxxNA

Saddle-mount. Model WFDxxN, WFDxxVN, WFDxxNA sizes 2 through 8 inch NPS. 450 psi (3105 kPa) rated working pressure.

Sizes 2 through 4 inch NPS rated for use with Schedule 7, 10 and 40 pipe. Sizes 5, 6 and 8 inch NPS rated for use with Schedule 10 and 40 pipe.

Safe Signal Models WFDxxEN, WFDxxEPN

Saddle-mount. Model WFDxxEN, WFDxxEPN sizes DN50 through DN150 mm NPS. 250 psi (1725 kPa) rated working pressure.

Product Specification

Model No	Valve Size	
	in	(mm)
WFD20N, WFD20VN, WFD20NA	2	(50)
WFD25N, WFD25VN, WFD25NA	2 1/2	(65)
WFD30N, WFD30VN, WFD30NA	3	(80)
WFD40N, WFD40VN, WFD40NA	4	(100)
WFD50N, WFD50VN, WFD50NA	5	(125)
WFD60N, WFD60VN, WFD60NA	6	(150)
WFD80N, WFD80NA	8	(200)
WFD20EN, WFD20EPN	60.3	(N/A)
WFD25EN, WFD25EPN	76.1	(N/A)
WFD30EN, WFD30EPN	88.9	(N/A)
WFD40EN	114.3	(N/A)
WFD60EN	168.3	(N/A)



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Model No	Valve Size	
	in	(mm)
WFD80EN	219.1	(N/A)

Note: IP54 Enclosure Rating for All European Models

Automatic Sprinkler Systems Waterflow Detectors, Vane Type

Safe Signal Models WFDxxN, WFDxxVN, WFDxxNA, WFDxxEN, WFDxxEPN
Branded: Safe Signal

Safe Signal Models WFDxxN, WFDxxVN, WFDxxNA

Saddle-mount. Model WFDxxN, WFDxxVN, WFDxxNA sizes 2 through 8 inch NPS. 450 psi (3105 kPa) rated working pressure.

Sizes 2 through 4 inch NPS rated for use with Schedule 7, 10 and 40 pipe. Sizes 5, 6 and 8 inch NPS rated for use with Schedule 10 and 40 pipe.

Safe Signal Models WFDxxEN, WFDxxEPN

Saddle-mount. Model WFDxxEN, WFDxxEPN sizes DN50 through DN150 mm NPS. 250 psi (1725 kPa) rated working pressure.

Product Specification



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Model No	Valve Size	
	in	(mm)
WFD20N, WFD20VN, WFD20NA	2	(50)
WFD25N, WFD25VN, WFD25NA	2 1/2	(65)
WFD30N, WFD30VN, WFD30NA	3	(80)
WFD40N, WFD40VN, WFD40NA	4	(100)
WFD50N, WFD50VN, WFD50NA	5	(125)
WFD60N, WFD60VN, WFD60NA	6	(150)
WFD80N, WFD80NA	8	(200)
WFD20EN, WFD20EPN	60.3	(N/A)
WFD25EN, WFD25EPN	76.1	(N/A)
WFD30EN, WFD30EPN	88.9	(N/A)
WFD40EN	114.3	(N/A)
WFD60EN	168.3	(N/A)
WFD80EN	219.1	(N/A)

Note: IP54 Enclosure Rating for All European Models

Automatic Sprinkler Systems Waterflow Detectors, Vane Type

Safe Signal Models WFDTN, WFDTVN, WFDTNA, WFDTHRN, RFDTHN

Branded: Safe Signal

T-Tap Style. All T-tap models have a 375 psi (2585 kPa) rated working pressure.

Product Specification



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Model No	Description	Valve Size	
		in	(mm)
WFDTN, WFDTVN, WFDTNA	Waterflow Detector	1, 1 1/4, 1 1/2 and 2 inch threaded ferrous or brass tee with 1, 1 1/2 and 2 inch vanes 1, 1 1/4, 1 1/2 and 2 copper sweat tee with 1, 1 1/2, 2 inch vanes Tyco, Spears, Victaulic and NIBCO brand 1 inch CPVC tees	(N/A)
WFDTHRN	Non-retarding Waterflow Detector	1, 1 1/4, 1 1/2 and 2 inch threaded ferrous or brass tee with 1, 1 1/2 and 2 inch vanes 1, 1 1/4, 1 1/2 and 2 copper sweat tee with 1, 1 1/2, 2 inch vanes Tyco, Spears, Victaulic and NIBCO brand 1 inch CPVC tees	(N/A)
WFDTNRN	Non-retarding Waterflow Detector	1, 1 1/4, 1 1/2 and 2 inch threaded ferrous or brass tee with 1, 1 1/2 and 2 inch vanes 1, 1 1/4, 1 1/2 and 2 copper sweat tee with 1, 1 1/2, 2 inch vanes Tyco, Spears, Victaulic and NIBCO brand 1 inch CPVC tees	(N/A)
RFDTHN	Waterflow Detector	1, 1 1/2, 2	(25, 40, 50)

Note: NEMA 4 Enclosure Rating for All North American Models



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