

Model 911FMD

FM Approved Mid Range Wet/Wet Differential Pressure Transducer



DESCRIPTION

The two-wire Factory Mutual Approved Model 911FM transmitter has stainless steel diaphragms for use with liquid, gas, or vapors in hazardous environments. These transducers are corrosion and shock resistant, as well as reverse polarity protected. The

two-wire, 4 mA to 20 mA current output permits long cable runs with a high signal-to-noise ratio. This model is constructed with stainless steel, sealed hermetically.

FEATURES

- 0.25 % accuracy
- 50 psid to 750 psid
- Factory Mutual approved
- 4 mA to 20 mA two-wire (standard)

Model 911FMD

PERFORMANCE SPECIFICATIONS

Characteristic	Measure
Pressure ranges	50, 75, 100, 150, 200, 300, 500, 750 psid
Accuracy	±0.25 % full scale
Linearity	±0.15 % full scale (typical)
Hysteresis	±0.10 % full scale (typical)
Non-repeatability	±0.05 % full scale (typical)
Output (standard)	4 mA to 20 mA
Line pressure	1500 psi
Resolution	Infinite

ENVIRONMENTAL SPECIFICATIONS

Characteristic	Measure
Temperature, operating	18 °C to 82 °C [0 °F to 180 °F]
Temperature, compensated	16 °C to 71 °C [60 °F to 160 °F]
Temperature, effect, zero	±1.2 % full scale/38 °C [100 °F]
Temperature, effect, span	±1.2 % reading/38 °C [100 °F]

ELECTRICAL SPECIFICATIONS

Characteristic	Measure
Strain gage type	Bonded foil
Excitation (calibration)	15 Vdc to 50 Vdc
Shunt calibration data	Included
Elec. termination (std)	22 GA cable with case ground 609,6 mm [2 ft], 1/2-14NPT

MECHANICAL SPECIFICATIONS

Characteristic	Measure
Media	Gas, liquid
Overload-safe (either side)	1500 psi
Pressure port	1/8-27 NPT female
Wetted parts material	17-4 PH stainless steel
Case material	Stainless steel

RANGE CODES

Range Code	Available ranges	Range Code	Available ranges
BN	50 psid	CL	200 psid
BP	75 psid	CP	300 psid
BR	100 psid	CR	500 psid
CJ	150 psid	CT	750 psid

OPTION CODES

	Many range/option combinations are available in our quick-ship and fast-track manufacture programs. Please see http://sensing.honeywell.com/TMsensor-ship for updated listings.
Pressure ranges (psid)	50, 75, 100, 150, 200, 300, 500, 750
Temperature compensation	1b. 60 °F to 160 °F
Internal amplifiers	2k. 4 mA to 20 mA (two-wire)
Pressure ports	5h. 1/8-27 NPT female (2)
Electrical termination	6j. 22 GA cable with case ground 609, 6 mm [2 ft], 1/2 NPT to 14 NPT
Special calibration	9a. 10 point (5 up/5 down) 20% increments @ 20 °C [68 °F] 9b. 20 point (10 up/10 down) 10% increments @ 20 °C [68 °F]
Wetted diaphragm	17-4 PH stainless steel

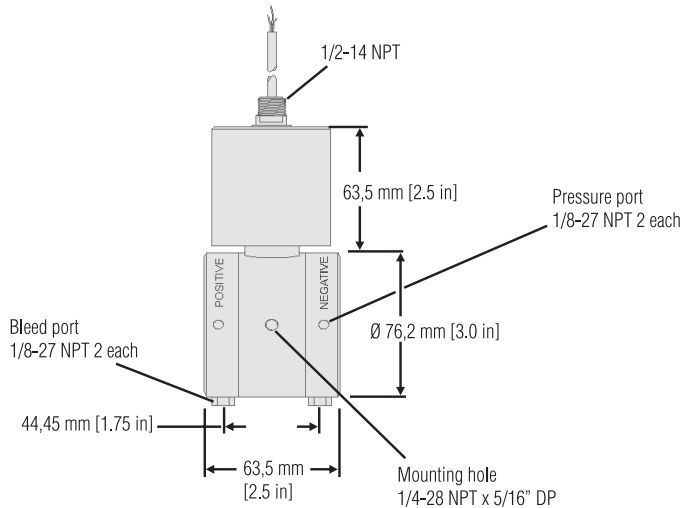
WIRING CODES

CABLE/TWO-WIRE CURRENT/ 4 MA TO 20 MA	
Red	(+) supply
Black	(+) output (4 mA to 20 mA)
White	Case ground

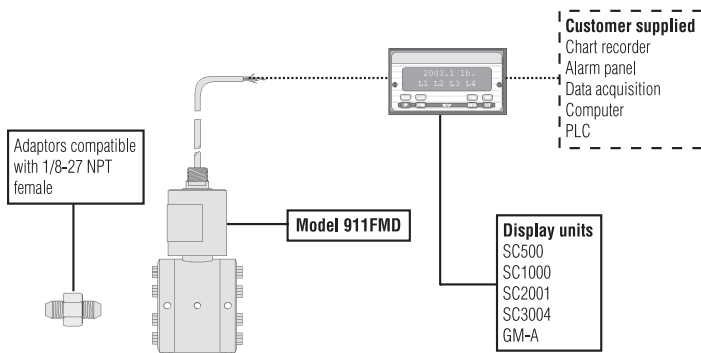
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MOUNTING DIMENSIONS AND CHARACTERISTICS



TYPICAL SYSTEM DIAGRAM



Warranty. Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship. Honeywell's standard product warranty applies unless agreed to otherwise by Honeywell in writing; please refer to your order acknowledgement or consult your local sales office for specific warranty details. If warranted goods are returned to Honeywell during the period of coverage, Honeywell will repair or replace, at its option, without charge those items it finds defective. **The foregoing is buyer's sole remedy and is in lieu of all warranties, expressed or implied, including those of merchantability and fitness for a particular purpose. In no event shall Honeywell be liable for consequential, special, or indirect damages.**

While we provide application assistance personally, through our literature and the Honeywell web site, it is up to the customer to determine the suitability of the product in the application.

Specifications may change without notice. The information we supply is believed to be accurate and reliable as of this printing. However, we assume no responsibility for its use.

For more information about Sensing and Control products, visit www.honeywell.com/sensing or call +1-815-235-6847. Email inquiries to info.sc@honeywell.com

! WARNING **PERSONAL INJURY**

- DO NOT USE these products as safety or emergency stop devices or in any other application where failure of the product could result in personal injury.

Failure to comply with these instructions could result in death or serious injury.

! WARNING **MISUSE OF DOCUMENTATION**

- The information presented in this catalogue is for reference only. DO NOT USE this document as product installation information.
- Complete installation, operation and maintenance information is provided in the instructions supplied with each product.

Failure to comply with these instructions could result in death or serious injury.

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