

Model 911FMD

Low Range Wet/Wet Differential Pressure Transmitter



DESCRIPTION

The two-wire Model 911FMD 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
- 2 psid to 25 psid
- 4 mA to 20 mA two-wire (standard)

Model 911FMD

PERFORMANCE SPECIFICATIONS

Characteristic	Measure
Pressure ranges	2, 5, 10, 15, 25 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
Max. line pressure	1500 psi
Resolution	Infinite

ENVIRONMENTAL SPECIFICATIONS

Characteristic	Measure
Temperature, operating	18 °C to 82 °C [0 °F to 180 °F]
Temperature, compensated	-1 °C to 54 °C [30 °F to 130 °F]
Temperature, effect, zero	±1.2 % full scale/100 °F
Temperature, effect, span	±1.2 % reading/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 NPT to 14 NPT

MECHANICAL SPECIFICATIONS

Characteristic	Measure
Media	Gas, liquid
Overload-safe (either side)	1500 psi
Pressure port	1/8-27 NPT female
Wetted parts material	316 stainless steel
Case material	Stainless steel

RANGE CODES

Range Code	Available ranges
AR	2 psid
AT	5 psid
AV	10 psid
BJ	15 psid
BL	25 psid

OPTION CODES

	Many range/option combinations are available in our quick-ship and fast-track manufacture programs. Please see http://measurementsensors.honeywell.com for updated listings.
Pressure ranges (psid)	2, 5, 10, 15, 25
Temperature compensation	1b. 30 °F to 130 °F
Internal amplifiers	2k. 4 mA to 20 mA (two-wire)
Pressure ports	5h. 1/8-27 NPT female
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	10a. 316 stainless steel

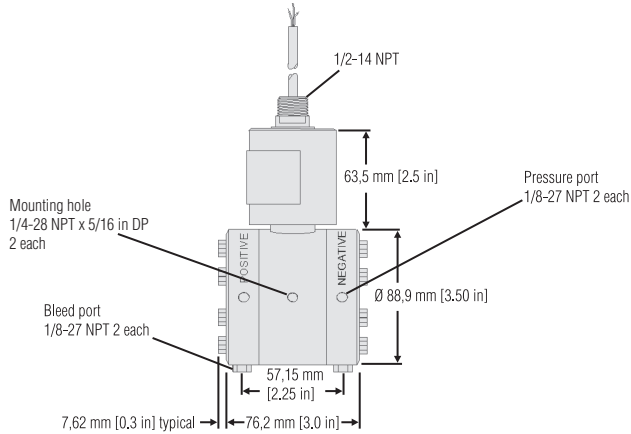
WIRING CODES

Cable/ two-wire current/ 4 mA to 20 mA	
Red	(+) supply
Black	(+) output (4 mA to 20 mA)
White	Case ground

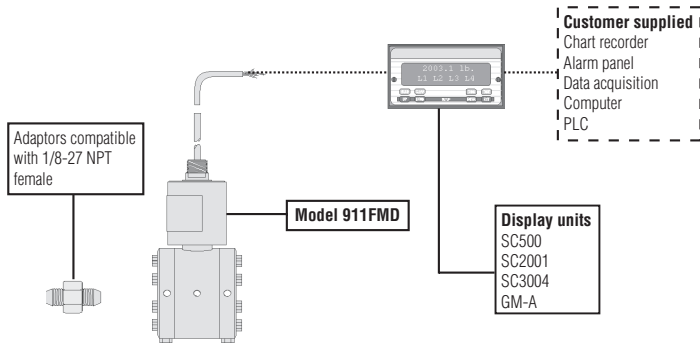
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MOUNTING DIMENSIONS AND CHARACTERISTICS



TYPICAL SYSTEM DIAGRAM



Find out more

Honeywell serves its customers through a worldwide network of sales offices, representatives and distributors. For application assistance, current specifications, pricing or name of the nearest Authorized Distributor, contact your local sales office.

To learn more about Honeywell's test and measurement products, call **+1-614-850-5000**, visit **<http://measurementsensors.honeywell.com>**, or e-mail inquiries to **info.tm@honeywell.com**

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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.

⚠ 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 datasheet 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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