

## Model 911FMD

### FM Approved Low Range Wet/Wet Differential Pressure Transmitter



#### 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
- 2 psid to 25 psid
- Factory Mutual approved
- 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 <a href="http://sensing.honeywell.com/TMsensor-ship">http://sensing.honeywell.com/TMsensor-ship</a> 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

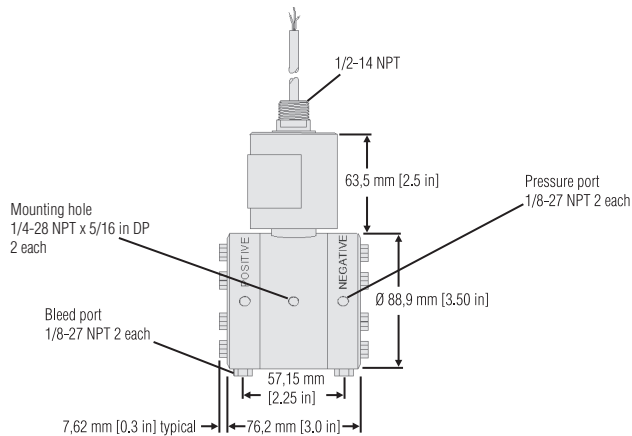
## WIRING CODES

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

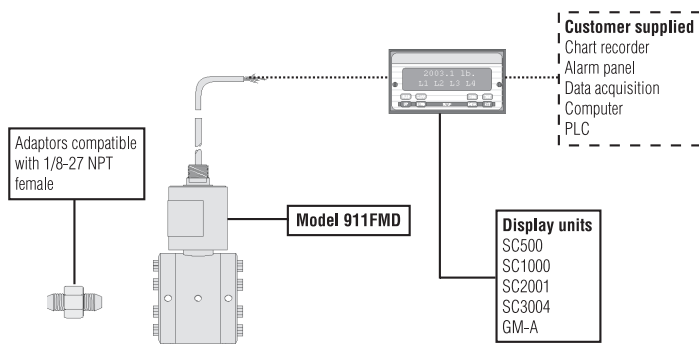
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### MOUNTING DIMENSIONS AND CHARACTERISTICS



### TYPICAL SYSTEM DIAGRAM



**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](http://www.honeywell.com/sensing) or call +1-815-235-6847. Email inquiries to [info.sc@honeywell.com](mailto: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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008705-1-EN IL50 GLO  
May 2008  
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