



Series 212 – Installation and Operation Manual



1. INTRODUCTION

The Series 212 Differential Pressure Transmitter can accurately measure positive, negative, or differential pressure and send a corresponding 4-20 mA or 0-10 V output signal. The Series 212 Differential Pressure Transmitter is designed with an IP 65 enclosure and can be easily mounted to any flat surface. The Series 212 is not position sensitive and can be mounted in any orientation without compromising accuracy. The compact, lightweight design makes installation simple and easy.

1.1 Model Numbers

Model	Range	Accuracy
212-D001I-1	0-1 in w.c.	1.0%
212-D002I-1	0-2 in w.c.	1.0%
212-D004I-1	0-4 in w.c.	1.0%
212-D006I-3	0-6 in w.c.	0.25%
212-D010I-3	0-10 in w.c.	0.25%
212-D020I-3	0-20 in w.c.	0.25%
212-D040I-3	0-40 in w.c.	0.25%
212-D005P-3	0-5 PSI	0.25%
212-D010P-3	0-10 PSI	0.25%
212-D015P-3	0-15 PSI	0.25%
212-D250A-1	0-250 Pa	1.0%
212-D500A-1	0-500 Pa	1.0%
212-D001K-1	0-1 kPa	1.0%
212-D002K-3	0-2 kPa	0.25%
212-D003K-3	0-3 kPa	0.25%
212-D005K-3	0-5 kPa	0.25%
212-D010K-3	0-10 kPa	0.25%
212-D025K-3	0-25 kPa	0.25%
212-D050K-3	0-50 kPa	0.25%
212-D100K-3	0-100 kPa	0.25%

Other ranges available upon request. For 0-10V output, add V to the end of the part number.

1.2 Specifications

Maximum Pressure:

Ranges \leq 5 PSI (35 kPa) = 15 PSI (100 kPa) Max

Ranges $>$ 5 PSI (35 kPa) = 30 PSI (200 kPa) Max

Media compatibility: Air and compatible non combustible, non corrosive gasses

Accuracy: Ranges δ 4" w.c. (1 kPa) 1.0% Ranges ϵ 5" w.c. (1.25 kPa) 0.25%

Temperature Ranges:

Compensated: 15° to 120°F (-10° to 50°C)

Operating: -10° to 155°F (-25° to 70°C)

Thermal Effect: +/- 0.05% FS/°F (+/- 0.050%/°C)

Stability: +/- 0.25% FS/year

Output Signal: 4-20 mA, 2 wire or 0-10V, 3 wire

Loop Resistance: 250 \wedge @ 24 VDC

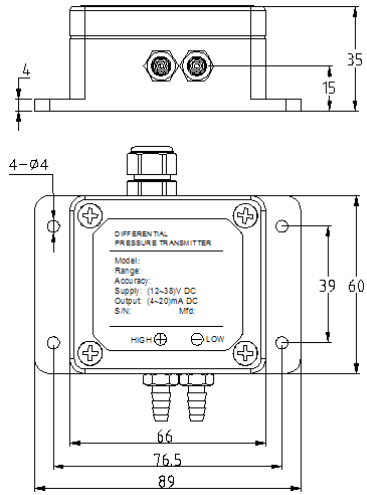
Power Supply: 12-30 VDC

Electrical Connections: screw terminals

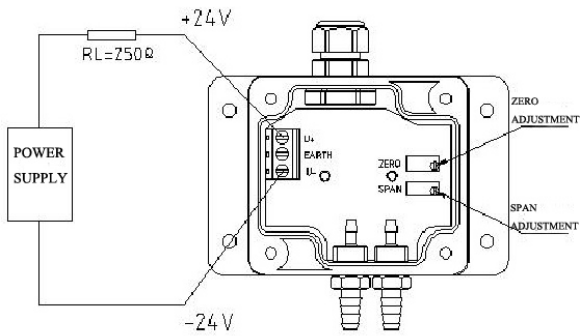
Electrical Entry: PG7 cable gland

Process Connection: Barbed fittings for 3/16" flexible tubing

1.3 Dimensional Drawings



1.4 Electrical Connections



1.5 Electrical Connections with 0-10V Wiring

