Modus Model M30

MODEL M30

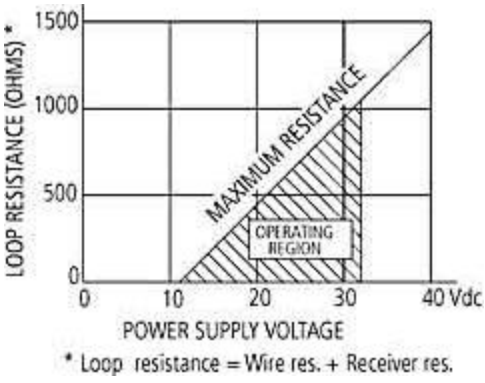
Two Wire / 4 - 20mA Output

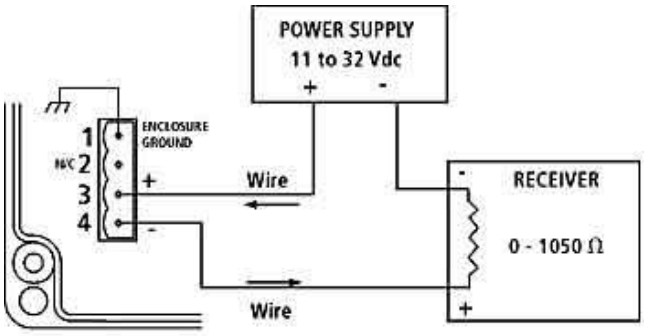
SPECIFICATIONS

Electrical

Supply Voltage: 11 to 32 Vdc
(See diagram below for maximum loop resistance)
Protected against reversal of polarity
Output limited to approx. 3.85mA at low end of span and approx. 27mA at upper end of span

Output can sink or source 3.5mA
Output voltage is protected against short circuit
Isolation between power supply and output is 2500 Vrms





ORDERING INFORMATION

Order Number
(See Table below and Reference **Table A**)
M30 - IP - O - KQ - KS
Example:
M30 - 06E - B - 1 - R

IP = Input Pressure	O = Offset (See Note 1)	KQ = Knockout Quantity	KS = Knockout Size
See Reference **Table A**	-=No offset	1 = 1 Hole	R = 1/2" Conduit
	A = 1/4 offset	2 = 2 Holes	S = PG 11
	B = 1/2 offset		T = PG 13

Note 1
If the measured differential pressure is expected to go from positive to negative, a transmitter with offset (elevated zero) should be ordered. Three options are available:

"-" No offset. At zero differential pressure, the output signal is:
4mA (4 to 20mA range)
0V (0 to 5V range)
0V (0 to 10V range)
Pressure excursion: 0% to + 100% of Range, see
Table A

"A" 1/4 span offset. At zero differential pressure, the output signal is:
8mA (4 to 20mA range)
1.25V (0 to 5V range)
2.5V (0 to 10V range)
Pressure excursion: -33% to +100% of Range see **Table A**

"B" 1/2 span offset. At zero differential pressure, the output signal is:
12mA (4 to 20mA range)
2.5V (0 to 5V range)
5V (0 to 10V range)
Pressure excursion: -100% to +100% of Range, see **Table A**

To order: determine the positive pressure range; from **Table A** find the corresponding pressure code, then add the required offset (none, A, or B).

For example, M30 05E A__, is a transmitter with a maximum range of 1" of H2O at 20mA and a minimum range of -0.33" of H2O at 4mA.