Modus Model M40

MODEL M40

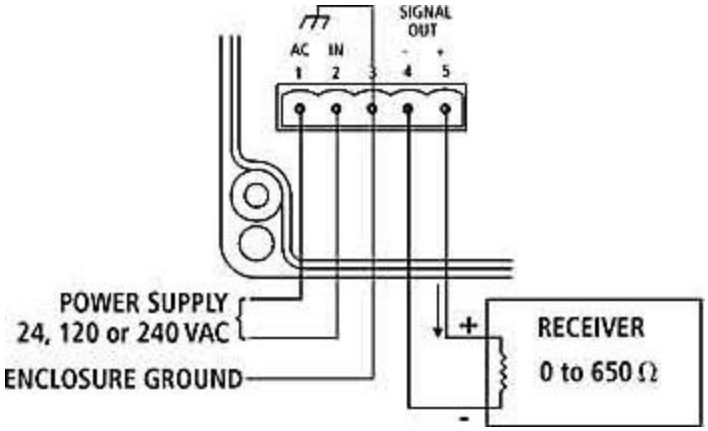
AC Power Input / 4 - 20mA Output

SPECIFICATIONS

Electrical

Nominal Input Voltage	Power Consumption	OperatingVoltage Range
24 Vac 120 Vac 240 Vac	1.5W	20 to 32 Vac
	1.5W	90 to 140 Vac
	1.5W	180 to 260 Vac

Isolation between power supply and output is 2500 Vrms
Receiver resistance can be from 0 to 650 Ohms
Output limited to approx. 27mA at the upper end of span



Terminals 1 and 2 are 4-20 mA current output.
Terminal 3 is the enclosure ground.
Terminals 4 and 5 are AC power input.

ORDERING INFORMATION

Order Number
(See Table below and Reference **Table A**)
M40 - IP - PS - O - KQ - KS
Example:
M40 - 03M - C - A - 1 - R

IP = Input Pressure	PS = Power Supply	O = Offset (See Note 1)	KQ = Knockout Quantity	KS = Knockout Size
See Reference **Table A**	C = 24Vac	-=No offset	1 = Hole	R = 1/2" Conduit
	D = 120Vac	A = 1/4 offset	2 = Holes	S = PG 11
	E = 240Vac	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.