

Modus Model T40

MODEL T40

AC Power Input / 4 - 20mA Output



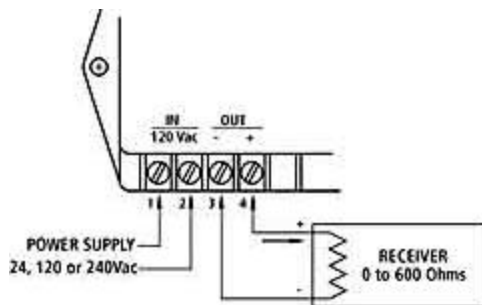
SPECIFICATIONS

Electrical

Nominal Input Voltage	Power Consumption	Operating Voltage Range
24 Vac, 50/60Hz	1.5W	20 to 30 Vac
120 Vac, 50/60Hz	1.5W	100 to 140 Vac
240 Vac, 50/60Hz	1.5W	200 to 260 Vac

Transformer isolation between power supply and output is 2500 Vrms
Receiver resistance can be from 0 to 600 Ohms
Output limited to approx. 27mA at the upper end of span

Terminals 1 and 2 are AC power input.
Terminals 3 and 4 are 4-20mA current output.



ORDERING INFORMATION

Order Number

(See Table below and Reference **Table A**)

T40 - PPP - S - O

Example:

T40 - 03M - E - B

PPP = Pressure Range	S = Supply Voltage	O = Offset (See Note 1)
See Reference Table A	C = 24 Vac	- = No offset
	D = 120 Vac	A = 1/4 offset
	E = 240 Vac	B = 1/2 offset

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, T30 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.