

# Modus Model T20

## MODEL T20 AC Power Input/Voltage Output



## SPECIFICATIONS

### Electrical

Transformer isolation between power supply and output is 2500 Vrms

**Output voltage:**

0 to 5 Volts, or

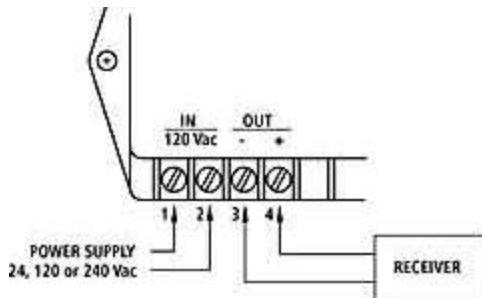
0 to 10 Volts

Sink or source 3.5mA

Protected against short circuit

Terminals 1 and 2 are AC power input.

Terminals 3 and 4 are DC voltage output.



## ORDERING INFORMATION

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

T20 - PPP - S - V - O

Example:

T20 - 07P - C - X - B

| PPP = Pressure Range         | S = Supply Voltage | V = Voltage Output | O = Offset (See Note 1) |
|------------------------------|--------------------|--------------------|-------------------------|
| See Reference <b>Table A</b> | C = 24 Vac         | 5 = 0 to 5 Volts   | - = No offset           |
|                              | D = 120 Vac        | X = 0 to 10 Volts  | 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 H<sub>2</sub>O at 20mA and a minimum range of -0.33" of H<sub>2</sub>O at 4mA.