

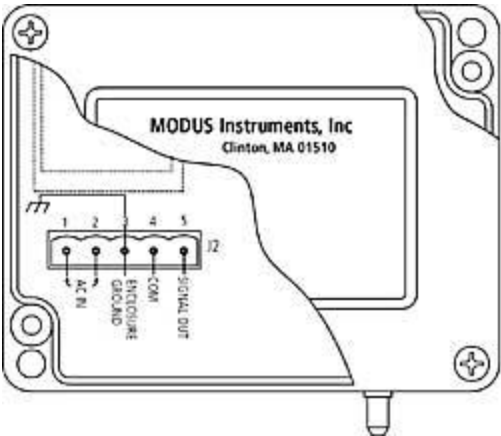
Modus Model M20

MODEL M20

DC Power Input/Voltage Output



Diagram shows area of detail.
Please see inset diagrams for wiring of each individual model below.

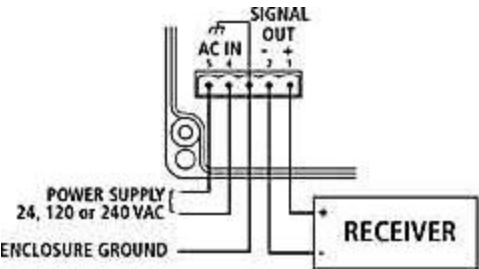


SPECIFICATIONS

Electrical

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

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



Terminals 1 and 2 are DC voltage output.
Terminal 3 is ground.
Terminals 4 and 5 are AC power input.

ORDERING INFORMATION

Order Number

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

M20 - IP - PS - SO - O - KQ - KS

Example:

M20 - 07P - C - 5 - A - 1 - R

IP = Input Pressure	PS = Power Supply	SO = Signal Output	O = Offset (See Note 1)	KQ = Knockout Quantity	KS = Knockout Size
See Reference Table A	C = 24Vac	5 = 0 - 5V	- = No offset	1 = 1 Hole	R = 1/2" Conduit
	D = 120Vac	X = 0 - 10V	A = 1/4 offset	2 = 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.