

▲ PEAKTRONICS

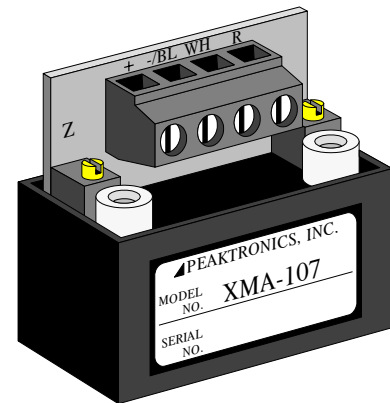
The Peaktronics XMA-107 2-Wire Loop Powered Transmitter converts a potentiometer signal to a standard 4-20mA current loop signal. Since the XMA-107 is loop powered, the 4-20mA signal only requires a 2 wire connection (see wiring diagram for details). The unit is a compact encapsulated package with two mounting holes (mounting screws are included) and screw terminals that provide for easy installation and wiring.

The XMA-107 is ideally suited for actuator applications that require only a feedback signal. The unit's small size allows it to mount inside nearly any actuator. Combining the XMA-107 with a Peaktronics feedback potentiometer and mounting kit provides a complete package that can provide an actuator with a precise and reliable 4-20mA feedback signal.

Prior to calibrating the unit, install the feedback potentiometer so that the potentiometer wiper is half the total resistance when the actuator is at its mid-stroke position. To calibrate the unit, position the actuator to the zero position and adjust the XMA-107 zero ("Z") to achieve the desired output (usually 4mA). Then, position the actuator to the span position and adjust the XMA-107 span ("S") to achieve the desired output (usually 20mA). Repeat this process until the zero and span positions yield the desired output without further adjustment.

XMA-107

2-Wire Loop Powered Feedback Potentiometer Transmitter



SPECIFICATIONS

POWER REQUIREMENTS

Minimum Voltage	6 VDC
Maximum Voltage	28 VDC
Maximum Reverse Voltage	40 VDC
Maximum Power Dissipation	0.56 W

INPUT SPECIFICATIONS

Zero (output = 4.0mA)	0 to 50% (0 to 0.62 VDC)
Span (output = 20.0mA)	10 to 100% (0.12 to 1.23 VDC)
Input Impedance	200K ohms

FEEDBACK POTENTIOMETER (total resistance)

1K to 10K ohms

ENVIRONMENTAL

Operating Temperature Range	0 to 85 °C
Storage Temperature	-40 to 85 °C
Relative Humidity	0 to 90 % (non-condensing)

ENVIRONMENTAL STABILITY

Zero	0.020% of zero per °C maximum
Span	0.010% of span per °C maximum

