

4-20 mA Transmitter

ALARM OPTIONS

4-20 mA Transmitter for 7710, 7720, 7750



7710 with 4-20 mA Transmitter

To Convert the measured flow into a 4-20 mAdc signal, an angle of rotation transmitter is mounted to the indicator. This device is factory calibrated to ensure accuracy and should only be adjusted by King Instrument Company.

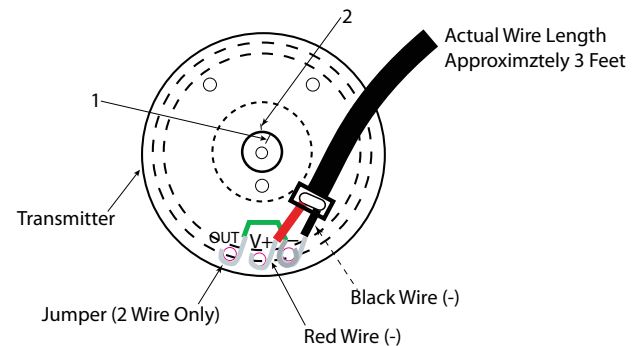
The proper and safe operation of the device requires that the specific listed below are not exceeded:

SPECIFICATIONS

Power Supply	12 to 33Vdc
Maximum Current Consumption	40mA
Temperature Limits	-13° to 158° F (-25° to 70° C)
Output	4 to 20 mAdc
Accuracy	<= 0.5%
Linearity	± 0.4%
Influence From Bearing	± 0.1%
Temperature Influence (ambient)	± 0.3% per degree C
Power Supply Influence	± 0.1%
Load Resistance Influence	± 0.1% at R max.

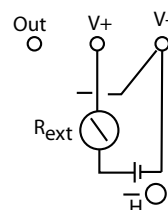
ELECTRICAL CONNECTIONS

Transmitter Layout Rear View



- Zero:** Potentiometer P1 for zero point
- SPAN:** Potentiometer P2 for measuring range and value
- 1:** Zero point mark on transmitter housing
- 2:** Zero point mark on transmitter shaft
- S1:** Switch for reversing rotation (Not Applicable)

2- Wire Connection



R_{ext}: External Resistance
 = Power Supply (V) - 12V
 Output Signal (mA)

H: DC Power Supply
 (12 - 33 V)