MODEL E8000
TWO-WIRE 4-20 mA TRANSMITTER

Features:
- Compatible with all meter sizes
- 3-wire 4-20 mA output
- Output is linear with flowrate
- Compatible with all McCrometer propeller meters with a mechanical register
- Installation can be accomplished without removing meter from pipe
- Signal can travel up to 5000 feet
- Dry contact pulse
- Open collector pulse

E8000 Model: 4-20 mA Output (Forward / Reverse) Dry Contact (Forward***)
E8000-000 - -
E8000-001 - -
E8000-002 - -

Pulse Output
0 - None
1 - Dry Contact
2 - Open Collector

Electrical Characteristics:

4-20 mA Output:
- Operating Temperature: +25 to +130 degrees F
- Supply Voltage: 16 - 40 VDC
- Temperature Coefficient: ±1.0%
- Linearity: 0.1%
- Accuracy: 0.5% over the entire range
- Maximum Resistive Load: Supply Voltage Dependent*
- Reverse Voltage Protection: -300V Maximum

Dry Contact Output**:
- Type: Relay Contact, Norm. Open
- Rated Load (AC): 0.5 A at 125 VAC
- Rated Load (DC): 1 A at 30 VDC
- Max. Operating Current: 1 A
- Max. Switching Power: 30 W, 62.5 VA
- Pulse (Contact Closure) Duration: 20 milliseconds
- Max. Pulses (Clicks) per Minute: 10

Open Collector Output**:
- Type: NPN Darlington, Isolated
- Isolation Voltage: 5000 VAC
- Collector to Emitter Voltage: 40 VDC Maximum
- Collector Current: 200 mA Maximum
- Pulse Output Duration: 20 milliseconds
- Max. Pulses per Minute: 350

Typical Wiring Diagrams:

Dry Contact Output
- + Power Supply
- Instrumentation
- 4-20 mA Input

Open Collector Output
- + Pulse Counter

E8000-000
- Red
- Black
- Brown
- White
- Green

* - Use formula (Supply Voltage - 16) x 50 = Maximum Load (Ω)
** - Totalizer output operates only when power is applied to the 4-20 mA loop.
*** - Totalizer output operates only in forward direction unless ordered otherwise.

McCrometer reserves the right to change the Specification without notice.