

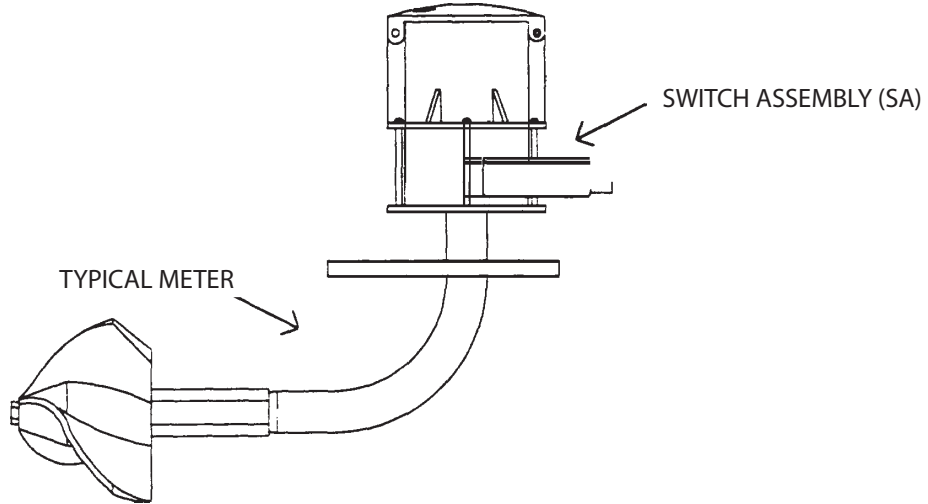


MODEL SA100

SWITCH ASSEMBLY

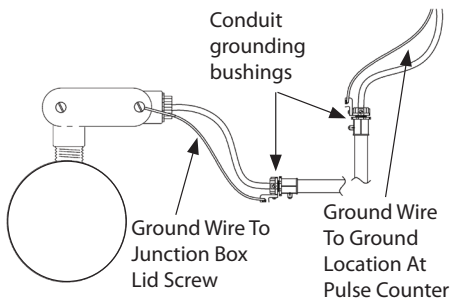
DESCRIPTION

The SA100 switch assembly is a single assembly mounted on top of the flowmeter beneath the register assembly. The switch assembly uses a fast acting direct drive system containing up to three geared wheels to provide a dry switch closure output at quantitative intervals determined by the meter multiplier.



The SA100 is contained in an aluminum housing, 4.25 inches in diameter and approximately 2 inches high. The transmitter has a standard 1/2 inch electrical LL19 conduit attached by a brass 1/2 inch close nipple.

**! IMPORTANT** Grounding and Conduit information!



When conduit is used DO NOT connect the conduit directly to the SA100 junction box as this will allow moisture intrusion and void the warranty.

GROUNDING: When grounding a metallic conduit use a conduit grounding bushing and connect the bushing to the grounding lug on the junction box with a wire. The other end of the conduit must then be similarly grounded to the end-user's pulse counter equipment.

SPECIFICATIONS

RATED CURRENT: 5 A resistive at 115 VAC 60 Hz

RATED VOLTAGE: 28 VDC Maximum

OPERATION TEMPERATURE: -65 TO 180° F

- SWITCHING INTERVALS:
- 1. Multiplier
  - 2. Multiplier / 10
  - 3. Multiplier \* 10

- EXAMPLE INTERVALS:
- 1 Pulse per 10 Gallons
  - 1 Pulse per 100 Gallons
  - 1 Pulse per 1,000 Gallons
  - 1 Pulse per 10,000 Gallons