

RVP Meter Pulser

Remote Volume Pulser RVP-FI 52870K161

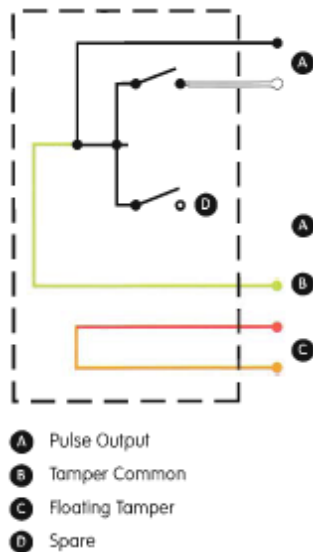


For use on diaphragm meters with front-mounting indexes and RPM rotary meters.

Specifications

- One Form A, SPST-NO Switch
- One pulse per revolution of index drive
- Operating time: 0.3 milliseconds
- Bounce time: 0.3 milliseconds
- Initial contact resistance: 100 ohms
- Maximum switching voltage: 24 VAC, 24 VDC
- Maximum switching current: 100 ma
- Power source: external
- Operating temperature: -40°C to +70°C

Schematic diagram



General Information

The RVP-FI uses a normally open (form "A") reed switch to supply accurate pulse outputs directly from the index drive for a wide range of diaphragm meters. The pulser's magnetic reed switch provides a dry-contact closure that protects the integrity of the electrical circuit. The output of the switch is available through an integral, 12-foot cable. The cable includes access to a loop for floating tamper detection circuits as well as a connection to the common when needed for tamper detection. Rigorous life and environmental testing has been performed on the RVP-FI to ensure dependable performance.

Applications

The RVP-FI is intended for low voltage, low current applications such as:

- Transmitting data to AMR/AMI devices
- Sending data to remote counters
- Logging flow data
- Operating flow control loops

Installation

The RVP-FI mounts to the meter by utilizing the four screw holes typically used to install the index box. Instead of being attached directly to the meter, the index and index box are mounted to the pulser.

The RVP-FI is driven by a wiggler that engages with the meter's index drive.