

# Retrofit Gas Meter Pulse Device

**RIOTronics**, a manufacturer of intelligent metering products, has developed **PulsePoint** and **RegistRead** for residential/commercial gas meters.

Compatible with most AMR, loggers, EMS and gateways

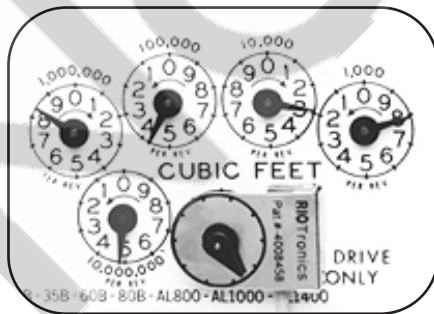


## Actaris

Class 240, 250, 400 circular read and direct read indexes

P/N: PPSA2-2P

## RegistRead



## Actaris

Class 675, 800, 1000 circular read and direct read indexes

P/N: RD-SPRG-2P

## PulsePoint Specifications

- Form A digital switch, 2nd switch optional
- Optional: Transistor type FET output, with customized pulse length
- Optional: Wire tamper detection circuits
- 2 contacts per revolution of the test dial
- Duty Cycle: 10% - 15% on, balance off
- Pulse rate: Determined by meter, typical 3 seconds min/pulse cycle
- Recommended debounce: 250ms
- Max. switch voltage: 180 V DC
- Max. sw. rating: 8 W
- 100 ohm series resistance added to circuit
- Breakdown voltage: 220 V DC
- Operate time w/ bounce: 0.5ms
- Operational Temperature: -40°F to 266°F (-40°C to 130°C)

## RegistRead Specifications

- Moisture: Operational to 100% humidity
- Case is plated to protect from corrosion; all electronics are potted
- Maximum switching voltage D.C.: + or - 30 volts
- Maximum switching current D.C.: + or - 0.01 amps
- Maximum switching watts D.C.: 0.30 watts
- Minimum voltage breakdown D.C.: + or - 150 volts
- Contact resistance: 0.5 ohms
- Open circuit resistance: > 100,000,000 ohms
- Maximum rate contact closure: 1000 pulses/sec
- Maximum bounce time: 0.2 ms max.
- Resistance: 100 ohms standard electric throughput resistance for interference suppression. Custom series and parallel values available.
- De-Bounce: RIO Tronics recommends a 1 sec. debounce at host recorder's front end input for all **RegistRead** products.
- Temperature: Operational from -40°F to 240°F (-40°C to 115°C)

Measurement Canada - Approval Number  
PulsePoint #AG-0515  
RegistRead #AG-0343

# RIOTronics