

SMART Valve

Remote Shut Off Valve



KEY BENEFITS

- Reduced costs in debt management.
- Improved customer relations where water leakage damage is prevented or mitigated using the valves.
- Where legal restrictions apply, the SMART Valve is obtainable with a humanitarian flow level.
- Long service life up to 20 years.
- License Exempt: USA, Canada, EU and Asia.
- Safety: Minimises personal risk and confrontation.
- Cost Effective: Revenue protection tool with rapid ROI.
- High and low power function for below and above ground use.

ACCESSORIES

The following accessories are used to receive information from and send messages to the SMART Valve.

- Handheld unit for Walk-By
- USB Receiver for Drive-by (laptop not supplied)
- Magnetic Whip Antenna for Drive-by

The SMART Valve developed by our sister company Radio-Tech is a secure two-way radio device that gives users the ability to remotely shut-off the water supply to a building, thereby avoiding potential health and safety issues or unnecessary confrontation.

The device has many applications including; management of delinquent accounts, maintenance shut-off, leakage minimization and flood prevention in vacant properties.

The SMART Valve is attached to a single water pipe within a building for the remote opening and closing of a water supply. It can be automated using a handheld device for a walk-by system, or a USB receiver for a drive-by system.

The magnetised transmitter is attached to the cast iron pit lit. Or, in the case of a plastic lid, a metal section is fixed to the underside. The power output can be lowered to 0,75mW to meet US operating requirements.



Handheld
Accessory
for Walk-by



USB Receiver
Accessory for
Drive-by



Magnetic Whip
Antenna Accessory
For Drive-by+

LONG
LIFE

ADAPT
ABLE

LATEST
SPEC

IN-BUILT
SAFETY



For more information call (513) 831-9335
or visit www.fluidconservation.com

A HALMA COMPANY

SMART Valve

Remote Shut Off Valve

FLOW MEASUREMENT DATA LOGGING LEAK DETECTION PRESSURE CONTROL ENVIRONMENTAL MONITORING

Technical Data

| | |
|----------------------------------|--|
| Certification | Certified to NSF 61 |
| Radio Technology | UHF wide band FM 868-870MHz + 7dBm for above ground if used on 869.850MHz to EN-300-220-2.1.1 UHF wide band FM 914.5MHz-3dBm to +10dBm programmable (0.75m W nominal max radiated power) to FCC Part-15.248 |
| Valve operation duty | From 1 per week to 1 per annum. With life defined in a table combined with the 'chirp' rate |
| Battery life | Up to 20 years |
| Operating Temperature | -20 to +55 °C |
| Error reporting | Low battery, Tamper, Frost Risk |
| Status Reporting | Number of valve closures, Battery Voltage |
| Transmit chirp | Every 10 seconds |
| Operating Distance | Below ground 50m; Above ground 100m |
| Data format | Data sent using secure Radio-Tech protocol |
| Operation Mode | Chirp |
| Modulation | Wide Band FM |
| Safety | Low voltage directive EN 60950 |
| EMC (electromagnetic capability) | EN-300-683 |

Mechanical Data

| | |
|--------------------|--|
| Sealing | IP68 sealed for life construction |
| Material | Transmitter: RT Blue polypropylene; Valve: Polymer |
| Operating Pressure | 100 psi (Max) |
| Pipe Size | 3/4 Inches NPT |
| Battery | Lithium Thynol Chloride |
| Dimensions | Logger dimensions: Height 113mm, Width 80mm, Depth 48mm Valve dimensions: Height 90mm, Width 69mm, Depth 62mm |

FCS reserve the right to change the specification of any product without prior notice.

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