

FIREFLY® Logical Switch™ for Master Meter® registers



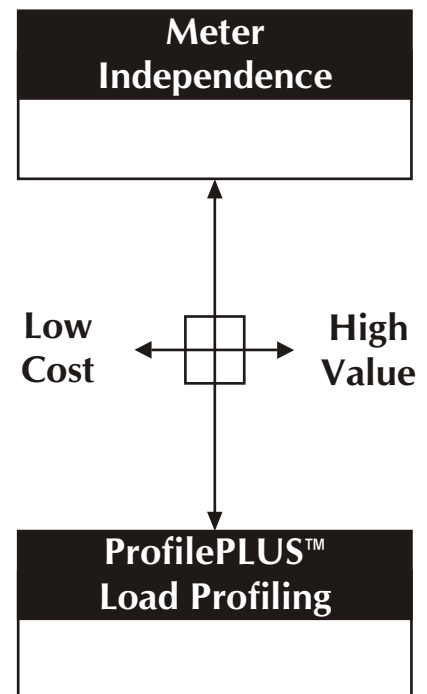
The FIREFLY Logical Switch for Master Meter registers represents another step forward for the innovative FIREFLY AMR technology. The Logical Switch provides an instant interface to Master Meter "high glass" registers on any size meter; adding one more option to the FIREFLY's already Meter Independent approach to Automatic Meter Reading.

The Logical Switch works by sensing the magnet embedded in the register's sweep needle. Each revolution sends a signal that increments the FIREFLY. But here's best part: The Logical Switch also tracks REVERSE rotations (backflow)! FIREFLY readings remain 100% accurate even under less-than-ideal line conditions. Installation takes only seconds using a standard screwdriver. Logical Switches can be ordered pre-potted to FIREFLY MIUs making implementation even simpler.

Other FIREFLY products include an optic sensor FIREFLY, which automates virtually any direct read meter with a visible sweep needle and wired-end models that support all popular pulse and encoded registers. Use existing meters. Maintain the freedom to choose meters without the unforgiving constraints of a proprietary AMR system. We call this Meter Independence.

Each FIREFLY also holds ProfilePLUS Load Profiling data for over 74 days for later retrieval and analysis. Settle consumption disputes, identify leaks, monitor conservation and provide greater overall value to customers.

The FIREFLY AMR System encompasses solutions for water, gas and electric meters providing complete coverage for multi-utility data collection.



TAKE CONTROL

Specifications



FIREFLY Logical Switch

Specifications

Interfaces to Master Meter "high glass" registers - all meter sizes

Connects directly to FIREFLY Water MIU

Tracks forward and reverse flow

No power required

FIREFLY Water MIU

Technical Specifications

Frequency: 902-928 (ISM Band)

FCC Licensing: Exempt under Part 15

Transmission Interval: User-definable

1 second - 18.2 hours

Output Power: 1mW nominal

Operating Temperature: -40° - +185°

Physical Specifications

Height (overall): 7 1/4"

Height: 5 5/8"

Width: 3 1/2"

Depth 1 5/8"

Battery Specifications

Battery Type: Lithium

Battery Life:

12+ years (Optic Sensor)

15+ years (Wired Interface)

ProfilePLUS Load Profiling Specifications

Profile Data Interval: User-definable

1 minute - 4.25 hours

Profile Data Unit: User-definable

Profile Data Capacity: 1,792 Intervals
(ex. 74.6 days @ 1 hour intervals)

RF Message Contents

System Number

Network ID

Meter Reading

Leak Flag

Coarse Clock

Sensor Zero Reading Count

Time of Last Sensor Zero Reading

Sensor Saturation Event Count

Time of Last Sensor Saturation Event

Battery Voltage



3600 K Avenue
Plano, Texas 75074
800/880-2878
www.datamatic.com