

Mi.HOT ROD Meter Interface Unit

Features

FUNCTIONALITY: The HOT ROD interface unit provides a direct connection to all Hersey meters equipped with a Translator® encoder register. The primary function of the HOT ROD is to provide one way communication from the meter to a Mi.Node meter interface unit. The Mi.Node is utilized to transfer data from multiple HOT RODs to the Mi.Net Mesh/Fixed AMI system, permitting utilities to migrate to a mesh/fixed network from existing AMR systems. HOT RODs transmit at a two second interval to ensure communication to the assigned Mi.Node transceiver.

MESH COMMUNICATION: Information retrieved from water meters is transmitted from the HOT RODs to a population of Mi.Node W units. At a time specified by the system, the Mi.Node interface unit will transmit all meter data from the HOT RODs that report to it and from the Mi.Node. This data is sent to a Mi.Gate collector via an unlicensed 900 MHz radio frequency and then relayed to the Mi.Net host server for analysis and storage. All Mi.Node units support the relay of data (Data Hopping) to other Mi.Node units. This allows the Mi.Net system to successfully overcome obstacles encountered in varied and difficult network topographies. Up to four routing options for each Mi.Node unit ensure that the data will be retrieved by the server.

CONSTRUCTION: The HOT ROD unit incorporates multiple moisture barriers to eliminate concerns over moisture intrusion even in meter box environments. An o-ring sealed thermoplastic enclosure, coated electronic board and potting compound provide a watertight package that allows Mueller Systems to offer a 20 year warranty on the HOT ROD unit. A large lithium ion battery provides plenty of power over the life of the unit.

MIGRATION PATH: Mi.Node W meter interface units relay one way, hourly, data received from HOT ROD meter interface units back to the central Mi.Net system server thereby providing a cost effective migration path for mobile HOT ROD AMR customers who wish to upgrade to AMI. The various models of Mi.Node meter interface units allow the Mi.Net system to provide robust and efficient AMI, water and energy conservation solutions for all types of residential and commercial applications.



Composite Meter with Translator Encoder Register and Integral HOT ROD Transmitter Pictured

Mi.HOT ROD

Specifications

Interfaces with water meters that output a protocol similar to the Mueller Systems Translator®

RF enabled wireless device, communicates in the unlicensed 900 MHz band

Transmits at two second intervals to ensure communication

Integral and wired units available

Automatically detects encoder meter type connected

No external power supply required for operation

20 year battery life

RF antenna contained inside HOT ROD unit enclosure

FCC compliant approved.

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