

Features

APPLICATIONS: The Hersey® HOT ROD™ is a high performance, low cost transmitter designed for mobile AMR. It is compatible with all current Hersey meters utilizing the Translator® Positional Encoder Register and other manufacturers' encoder registers outputting a similar protocol. The primary function of the HOT ROD module is to transmit an encoded serial number, water consumption, leak detection information and status data via radio frequency. When combined with the Hersey STREET MACHINE™ Mobile Receiver and EZ Reader™ Software, it provides the basis for high speed, high performance meter reading.

INSTALLATION: HOT ROD modules are available in two options. Pit set installations require no drilled holes through the lid and are mounted beneath the meter box lid for security and ease of installation on PVC pipe. Surface mounts are easily accomplished with the integral mounting brackets and two screws.

PERFORMANCE: The HOT ROD module utilizes the 902MHz to 928MHz ISM band which are FCC license exempt frequencies which translates to lower initial start up costs. The HOT ROD module transmits or "bubbles up" every 2 seconds on multiple frequencies without the need of a "wake up call" insuring a continuous information stream for absolute data collection. Each transmission lasts only 2.5 milliseconds. That equates to almost 16 million opportunities per year to read each HOT ROD module and unparalleled performance at low cost.

CONFORMANCE TO STANDARDS: FCC compliance: Part 15 certified. HOT ROD complies with Standard C707 for Encoded Remote Reading Systems. No FCC License is required for operation.

CONSTRUCTION: The HOT ROD module consists of a compact printed circuit board which is encapsulated to provide complete protection against shock and water intrusion. The enclosure is made of UV stable, high density thermoplastic and is completely waterproof. All modules have integral mounting brackets for both pit and wall installations. One C size lithium battery provides plenty of power for reading the register and sending RF data. The battery is sealed within the module and is not replaceable. There are no customer serviceable parts inside the HOT ROD.



Standard Option

Metal Pit Option

Materials and Specifications

- **RADIO FREQUENCY** Operates on 902 to 928MHz
- **MODEL** HOT ROD™ Standard and Metal Pit Options
- **WIRE LENGTHS TO TRANSLATOR**
Standard: 3' or 15'
Pit Options: 3' or 25'
- **POWER SOURCE**..... C Cell Lithium Battery
- **TYPICAL RANGE** up to 1200 feet
- **TRANSMIT FREQUENCY**..... 902 MHz – 928 MHz
- **DATA INTEGRITY** Verified with every data message
- **TEMPERATURE RANGE**..... Operating Temperature:
-40°F to + 158°F
(40°C to + 70°C)
Storage Temperature: -40°F to + 158°F
(40°C to + 70°C)
Humidity: 0% - 100% condensing