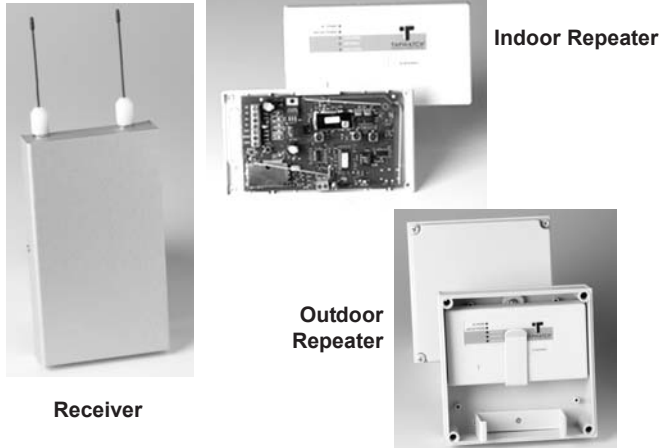


Specification Sheet

InsideR™ Repeater & Receiver



The InsideR System sets a new standard for fixed network RF reading in multi-family submetering:

- FCC Certified equipment.
- No license required.
- Simple installation with minimum disruption.
- Compatible with systems for gas and electric metering.
- Already installed and reading over 600,000 meters nationwide.
- Reading equipment manufactured by Inovonics Corporation, the leading name in submetering RF

Description

Operation. The FCC Certified Repeater and Receiver operate in the 902-928 MHz range. The Repeater is installed at strategic locations throughout the site to receive signals from the InsideR Transmitters and to verify and amplify the signal for transmission to the Receiver. The Receiver relays meter readings and identifiers to the DCC (Data Concentrator and Communicator) through a serial connection. From the DCC data is transferred via telephone line to the billing center.

Compliance to Standards. The Repeater and Receiver are FCC certified and operate at an unlicensed frequency.

Installation. When installed outdoors the Repeater requires a weatherproof enclosure. Unless directed by the system designer, do not mount Repeaters on metal surfaces or inside metal enclosures, or where metal ductwork, wire mesh, etc., might block transmissions. The Receiver may be mounted in any orientation. It must be installed inside or in a protected area, within 100 feet of the DCC.

Application. The Repeater and Receiver are designed for installation in a multi-unit residential, commercial or industrial location.

Specifications

System

Operating Frequency 902-928 MHz
Modulation Frequency Hopping, Spread Spectrum

Repeater

Power Requirements 120 VAC Transformer (to 14 VAC) included (plugs into standard 120V wall outlet)
Open Field Range 4 miles
Dimensions Indoor Repeater: 6.5 x 3.5 x 1"
Outdoor Repeater: 7 x 7 x 3"
Operating Temperature -20 to 145° F, non-condensing
FCC ID HCQ3B6SSRL
Outdoor Enclosure NEMA 4 (optional)

Receiver

Power Requirements 11-14 VDC, 80mA (from DCC)
Dimensions 6.9 x 3.9 x 1.2" (excludes 3" antennas)
Output 9600 Baud serial data
Operating Temperature 32 to 140° F
FCC ID HCQ3B6FA403



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InsideR is a trademark of AMCO Water Metering Systems.

The company's policy is one of continuous product improvement and the right is reserved to modify the specifications contained herein without notice. These products have been manufactured with current technology and in accordance with applicable AWWA Standards.

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