

EXHIBIT H

USER MANUAL

Remote Meter Interface - Electric

Whisper



Automatic Meter Reading

The True2Way™ remote meter interface (RMI) reads, stores and transmits meter data and alarms over the Whisper™ fixed-base wireless network. The electric RMI can be attached to popular commercial, industrial and residential meters. With appropriate host software, the RMI can supply both scheduled and on-demand communications. Scheduled RMI transmissions are normally used for regular meter reads or status alarms. Unscheduled communications can be used to define power outage areas in near real-time, provide on-demand reads and support other value-added services.

The Whisper True2Way RF protocol accurately captures energy use data, ensures reliable communications with the host, and permits the remote reconfiguration of RMI settings from a central location. Only Whisper's True2Way RF network offers cost-effective AMR solutions for today with the potential for unlimited innovation tomorrow.

Features

- Adjustable meter read intervals: 1,5,15,30, and 60 minutes
- Time-stamped interval data for load profiling, time-of-use and real-time pricing
- RMI clock synchronization ensures accurate aggregate reads
- Storage of 240 historical meter reads ensures against lost data
- All data transmissions are acknowledged end-to-end across the True2Way network
- RMI functions (e.g. read intervals, RMI reporting cycles) are programmable over the network
- Power outage and tamper detection
- Time-of-use and real-time pricing support
- On-demand meter reads
- Remote service connect/disconnect support
- Resumes normal operation upon power restoration
- Nominal communication range of 1.5 miles depending on topography
- Line-power low voltage condition alarm

Whisper

Meter Support

Residential Meters

- ABB/Westinghouse D1, D4, AB1
- GE I-70, I-60, I-55S
- Landis & Gyr/Duncan MS, MX, MS-II, MX-II
- Schlumberger/Sangamo J4, J5

Solid State Polyphase Electric Meters

- ABB/Westinghouse Alpha
- Schlumberger/Sangamo Vectron

Whisper intends to provide RMIs for popular residential, commercial, and industrial electric meters. Contact Whisper for more information on the availability of specific models.

Technical Specifications

Description	Medium Power
Frequency Range	902-928 MHz
Modulation	Frequency Hopping Spread Spectrum, FSK
Output Power	+21 dBm
Temperature Range	-40° to 85°C, -20° to 70°C for Solid State Meter
Data Packet Length	Maximum of 60 bytes
Data Rate	4 kbps Outbound (Tx), 2 kbps Inbound (Rx)
Power Supply	240 VAC Line-Powered ±20%
Channel Capacity	128
Channel Spacing	180 KHz
Deviation	± 5 KHz
Frequency Accuracy	± 10 ppm

This electric RMI was developed with the assistance of the Gas Research Institute

True2Way AMR Networks

The Whisper True2Way AMR network meets the most demanding requirements of forward thinking utilities, energy service providers, and independent metering service providers who intend to compete in deregulated energy markets. The Whisper True2Way, fixed-base RF AMR network is the most cost-effective way to measure electric, water and gas consumption and deliver innovative value-added customer services. Load management, time-of-use and real-time pricing, synchronized and time-stamped aggregate reads, and messaging are only a few examples of the power of real two-way communications.

Whisper Communications, Inc.

825 Stewart Drive, Suite 4 - Sunnyvale, CA 94086

408.738.8347 ph - 408.738.0132 fax

www.whisper.com