



TWACS® UMT-R

UNIVERSAL METERING TRANSPONDER-RESIDENTIAL

The TWACS UMT-R for solid state, residential meters provides remote, two-way access to usage and voltage data and ensures recent meter data is available to the utility.

The UMT-R performs scheduled and on-request reads, with data directly from ANSI C12.19 tables, and allows the utility to remotely reset the peak demand on individual meters or meter groups.

The UMT-R transmits fixed- and rolling-block demand as well as forward, reverse, net, and secure consumption data. It supports collecting two independent channels of interval data in 15-, 30- and 60-minute lengths. These features enable real-time pricing and direct-access settlement, as well as peak-demand and aggregated billing.

The UMT-R is available for the Landis+Gyr FOCUS™ AL, FOCUS AX, and the GE I-210+™ direct-sampling, solid-state meters.



Each TWACS UMT-R delivers

Outage assessment and restoration

Works with TWACS PROASYS™ to provide timely dispatch of crews and real-time monitoring of service restoration

Meter data history

Stores daily reads for seven days and interval data for a minimum of 35 days

Upgradeable firmware

Reduces costs and simplifies upgrades to future product enhancements

Faster customer response

Allows customer service representatives to access meter data in less than 20 seconds

Ease of installation

Installs within the meter and accesses data directly from ANSI C12.19 tables

Remote service switch operation

Supports integrated disconnect functionality when purchased as a meter option

TWACS UMT-R Compatible Meters:

Landis+Gyr Focus AL and Focus AX

- Starting load (watts): Class 20 - 0.005 Amp (0.6W), Class 100 - 0.030 Amp (3.6W), Class 200 - 0.050 Amp (12W), Class 320 - 0.080 Amp (19.2W), Class 480 - 0.120 Amp (28.8W).
- Available forms: Self-Contained 1S, 2S, 2SE, 12S, 25S; Transformer Rated 3S, 4S; K-Base 2K
- Operating temperature -40C to +85C under cover.
- Nominal voltage 120V or 240V.
- Operating voltage 80% to 115% of Vn.
- Frequency 60Hz +/- 5%.
- Humidity 5% to 95% relative humidity, non condensing.

General Electric I-210+

- Low starting watts which capture energy consumption at levels typically not registered by electromechanical meters.
- Low burden which minimizes utility system losses.
- Patented tamper algorithm to detect tamper-by-meter inversion (turning the meter upside down).
- Large, easy to read LCD display.
- Operation over a broad temperature range (-40°C through +85°C).
- Voltage: $\pm 20\%$.
- Typical starting watts: ≤ 5.0 watts (Form 2S 240 V CL200)
- Typical watts Loss: 0.7 watts
- Typical accuracy: within +/- 0.2%
- Performance meets or exceeds ANSI C12.1, C12.10, C12.20, C37.90.1



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