

Wireless Metering Systems

Wireless Mesh Technology Allows Installation of Metering Devices Without Expensive Communication Wiring

Ideal for New or Retrofit Installation!



E-Mon
Energy Monitoring Products

Wireless Technology for:

- Gas Meters
- Water Meters
- Electric Socket Meters and....

New or Retrofit E-Mon D-Mon Meters

- Single- and three-phase meters with built-in transceivers for new installations
- External "plug-in" modules to upgrade previously installed E-Mon D-Mon meters

(800) 334-3666
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Wireless Metering Systems

E-Mon's wireless automatic meter reading (AMR) system is a unique mesh communication network that allows commercial, multi-family, industrial and institutional facility managers to monitor and manage their actual energy usage from E-Mon D-Mon submeters and other utility meters without costly wiring or communication cabling.

E-Mon's wireless family of products include single- and three-phase meters with built-in wireless transceivers, external modules for interfacing previously installed E-Mon D-Mon meters to a wireless AMR system and an assortment of wireless interface modules for bringing water, gas or other electric socket-type meters into the energy management or AMR system.



E-Mon Energy™ Software & Wireless Software Interface

E-Mon Energy software and wireless software interface retrieves interval energy data from the self-configuring wireless metering network. Energy data is retrieved via Ethernet or Internet from the wireless data collector and is accessible via E-Mon Energy software for tenant billing, energy management, load profiling & energy analysis.



E-Mon D-Mon Meters with Built-In Wireless Transceivers

E-Mon D-Mon Class 2100 three-phase meters and Class 4100 single-phase meters are designed for installation in multi-family, commercial and industrial applications where metering is required, but installation of communication cabling is costly or not possible. The meters are equipped with built-in wireless transceivers to communicate with the self-configuring wireless mesh network to send interval energy data to E-Mon Energy software for tenant billing, load profiling and energy management. Class 4100 meters are supplied in non-metallic enclosures ideal for installation inside tenant spaces while the Class 2100 meters are installed in NEMA 4X outdoor enclosures and can be ordered with or without the kW Demand option.



EWM External Wireless Module for Retrofitting E-Mon D-Mon Meters

The EWM external wireless module retrofits existing E-Mon D-Mon Class 1000 & 2000 meters for wireless compatibility. When plugged into an existing meter, the module self-configures to the wireless mesh network to transmit interval energy data to E-Mon Energy software. The EWM can be installed quickly on E-Mon D-Mon meters manufactured since 1997. This creates sales opportunity to upgrade to a wireless E-Mon Energy system without the high cost of hardwiring.



Wireless Socket Meter Package

Complete wireless electric socket meter packages with built-in "under the glass" wireless transceivers are available in a variety of configurations for multi-family residential and three-phase commercial applications. These socket meter packages are ideal for applications where the facility is already set up for socket meters. The installer is able to simply "plug-in" the wireless socket meter to the existing socket and the built-in transceiver will automatically configure to the wireless mesh network and transmit the interval energy data to E-Mon Energy.



GW1 External Wireless Module for Gas & Water Meters

The GW1 external wireless module allows for easy interface of gas, water and other utility meters with the E-Mon Energy wireless metering system. The module can be installed on any gas or water meter equipped with a solid-state or reed switch pulse output. The module lets users easily monitor all of their utilities, gas, water, electric and E-Mon D-Mon submeters from one, easy-to-use software program.



Wireless Data Collector (WDC)

The wireless data collector is the network storage device for interval energy data received from the wireless metering network. The storage device receives and stores data from the self-configuring/self-healing wireless network until downloaded by E-Mon Energy software.

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