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miniQloset™

MULTI-CHANNEL ELECTRIC METER

The miniQloset™ is Quadlogic's high-density revenue-grade electric meter designed for residential applications. The miniQloset™ has a compact, rugged enclosure and can monitor 3-phase or 2-phase circuits. The miniQloset™ is easy to install and operate. Its space-saving footprint is designed for in-panel new construction applications.

The miniQloset's communication system is compatible with the QBrick product line allowing for a flexible and streamlined metering solution for any project. Data from the miniQloset™ is retrieved by the system's meter data hub and pushed directly to Quadlogic's cloud database (QuadQloud) — providing customers with seamless access to meter data.

FEATURES AND BENEFITS

- Monitors up to twenty-four 2-phase, or sixteen 3-phase 120 VAC Wye circuits
- Meter communicates by wired RS-485 or optional 900 Mhz wireless radio
- Daisy chain multiple miniQloset meters to a single QTao™ G2 meter data hub for local and remote access to meter data
- Measures kWh, kvarh (4-quadrant), and kVAh
- Real-time Parameters: true RMS Volts, Amps, Watts, power factor, and frequency
- Meets all ANSI C12.20 accuracy requirements and is NYPSC Listed
- 180 days of 15 minute interval data stored internally for all parameters
- Detailed event recording for diagnostic purposes
- Data access via automated push to cloud database, local display, or into BMS (Modbus or BACNet)
- 3 year battery backup for meter clock
- LEDs to indicate power/communication status
- Secure and reliable non-volatile flash memory
- Embedded display with 5-button navigation
- Three-year hardware warranty
- Meets UL61010 safety standards

SPECIFICATIONS

ELECTRICAL

- **Metering Reference Voltage:** 3-phase, 16 metering loads, 120 VAC L-N, Wye, Measurement Category: Cat III 300V
- 2-phase, 24 metering loads, 120 VAC L-N, Wye, Measurement Category: Cat III 300V
- **Current Input Rating**: 0.1 Amp CT secondary inputs
- **Input Power**: 120-240 VAC, 60Hz, Overvoltage Category III
- **Power Consumption**: < 15 Watts
- **Test Constant**: 1 Wh/pulse

COMMUNICATION AND MEMORY

- **Meter Communication:** Modbus RTU over standard 2-wire RS485, optional wireless mesh radio (QRadio)
- **Data Access and Visualization**: daisy chain multiple miniQloset to meter data hub (QTao G2)
- **Interval Programming**: 15 min interval data, segregated by metering point
- **Non-volatile memory** stores 180 days of 15 min interval data and 1000 event records

REGULATORY

- **ANSI 0.5 Class Accuracy** (with ANSI 0.1 class CTs)
- NYPSC listed
- Meets **UL 61010 Safety Standards**

ENVIRONMENTAL

- **Operational Temperature**: -20° C to 50° C
- In-panel new construction, indoor installation, dry non-condensing

DIMENSIONS, WEIGHT AND MOUNTING

- **Dimensions:** L x W x D = 292 mm x 140mm x 67 mm
- **Weight**: 2.4 lbs
- **Mounting Options**: DIN rail, wall mountable inside electrical panel, optional NEMA enclosures

ORDERING INFORMATION

Part #: 76-QBRICK-MQ-2P24M
76-QBRICK-MQ-3P16M

Description: The miniQloset™ is a high density, revenue-grade electric meter designed for residential applications. The miniQloset™ can monitor up to twenty-four 2-phase circuits, or sixteen 3-phase circuits.

Quadlogic Controls

Complete Submetering Solutions for New or Existing Construction

Quadlogic Controls designs and manufactures revenue-grade electrical submeters for tenant billing and energy management applications in residential and commercial buildings.

Deployed in mission-critical operations worldwide and compatible with leading property automation and information systems, Quadlogic submeters allow property managers and building owners to bill tenants while reducing energy consumption.

Quadlogic submetering solutions can be deployed in new or retrofit construction, easily integrating with existing building and financial systems.

Quadlogic's systems have been successfully deployed by property owners, submetering companies, building system integrators, and local distribution companies since 1984.

Quadlogic is a subsidiary of Metergy Solutions Inc., one of North America's most experienced submetering providers.

CONTACT QUADLOGIC AT **212-930-9300** OR **SALES@QUADLOGIC.COM**