

# Qlic™ E-METER 400

## MULTI-CHANNEL ENERGY METER



COMPACT. RUGGED. EFFICIENT.  
THE PERFECT SOLUTION FOR  
YOUR ENERGY METERING NEEDS.

The Qlic E-Meter 400 is a meter designed to fulfill the new ASHRAE 90.1-2016 requirements for energy monitoring. Qlic E-Meter 400 monitors electric loads by end-use: HVAC, interior/exterior lighting, receptacles, and other loads. It allows for a flexible wiring configuration to monitor up to 12 individual circuits.

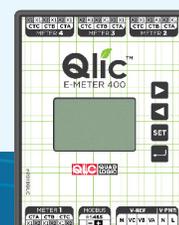
The Qlic E-Meter can be configured as an interface that feeds metering data to a Building Management System (BMS) via a BACnet converter.

### BENEFITS:

- A single, compact, rugged enclosure
- Uses Modbus RS-485 and is BACnet Compatible
- Metered Voltage: Auto Ranging (120-480V)
- Meets ASHRAE 90.1-2016 requirements

### MONITORS UP TO:

- 12 x single phase circuits
- 4 x two phase circuits
- 4 x three phase circuits



## SPECIFICATIONS

### METER SPECIFICATIONS

Metered Voltage	120 to 480V Auto Ranging Wye, delta, or network, 50/60 Hz
Current Input	100 mA
Field Programmable	(4) 3-phase meters, (4) 2-phase meters, (12) 1-phase meters
Four Quadrant Energy Metering	Delivered & Received: kWh, kVarh, kVAh
Real Time Data	Voltage, Amps, phase angle, power factor, Watts, VARs, VA, and Hz
Standards and Certifications:	Meets ASHRAE 90.1-2016, ETL listed

### COMMUNICATION OPTIONS

Modbus RS-485	Standard
BACnet Converter Available (with Modbus to BACnet Gateway)	Optional

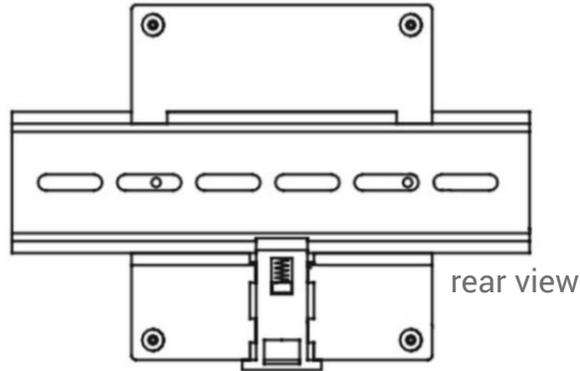
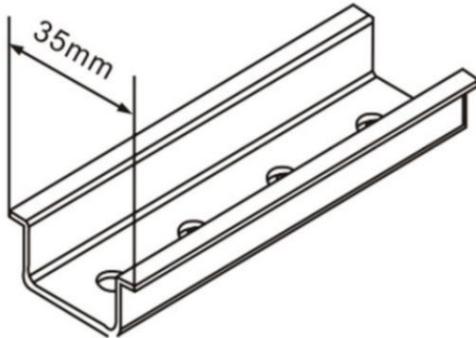
**ACCURACY:** +/- 1% (kWh)

### OPERATING RANGE/ENVIRONMENT

Usage	For indoor use only
AUX (Input Supply) Voltage	90-240 VAC
Temperature	-15°C to 55°C
Humidity	RH 20%~95% (Non-condensing)

## MOUNTING

Device must be mounted on 35mm DIN-rail.



## DIMENSIONS

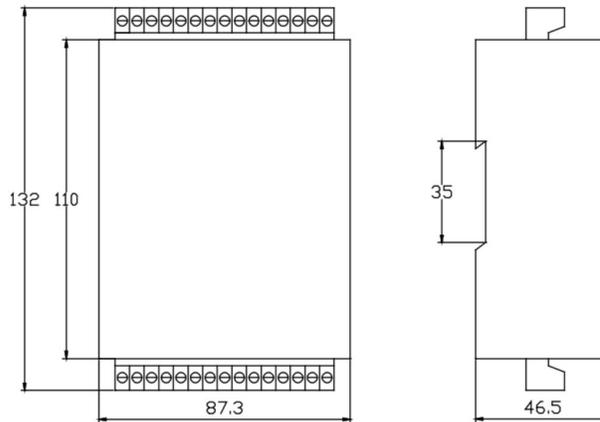
**WIDTH:** 87.33mm (3.4")

**HEIGHT:** 132mm (5.2")

**DEPTH:** 46.5mm (1.8")

Note: All dimensions are with wiring terminal

**SHIPPING WEIGHT:** 1.0 lb.



MODEL NUMBER & NAME	CT INPUTS	METERED VOLTAGE	METER POINTS	PHASE
76-QLIC-E-120480V-13 Qlic E-Meter 400	100 mA	120 to 480 V (Auto-Ranging)	12 Single Phase, or 4 Two Phase, or 4 Three Phase	Single, Two or Three Phases