

# 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.

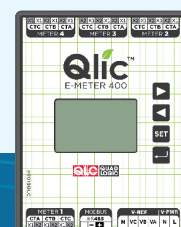
The Qlic E-Meter can be configured as an interface that feeds metering data to a Building Management System (BMS) via a BACnet converter.

### 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

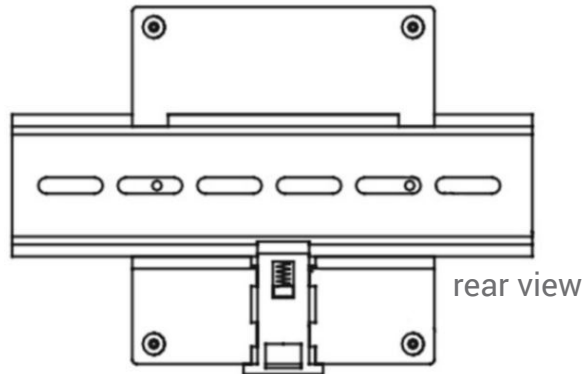
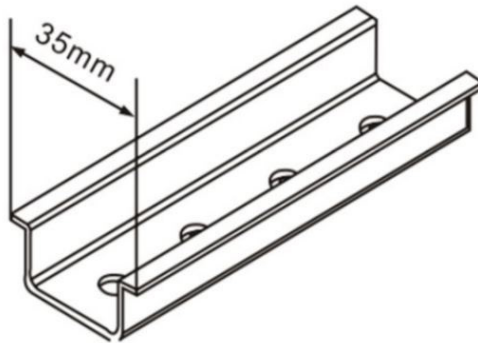
**ACCURACY:** +/- 1 % (kWh)

### 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

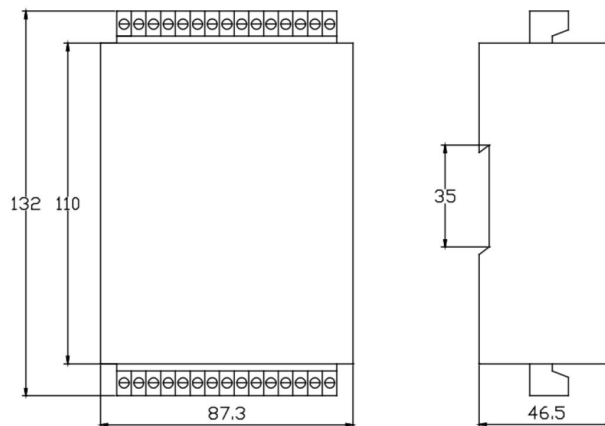
**WIDTH:** 87.33mm (3.4")

**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