



## QWL 3.1 Rev 2 Series

Integrated Building Manager Panel

Models to Support Wired and  
Wireless Networks



v1216.1

## Description

The QWL 3.1 Rev 2 Integrated Building Manager Panel contains a Ubiquity™ Site Gateway with integrated lighting and energy management controls.

### The QWL 3.1 Rev 2 Series features:

#### Ubiquity Site Gateway

- Site gateway to Ubiquity: enables controller interoperability with Ubiquity
- Enables Ubiquity to maintain controller programming and scheduling
- Compatible with all TCS Basys supported controllers
- Controller protocols supported: TCSbus, Modbus
- Supervisory control routines
- Supervisory override strategy
- Auto discovery of networked controllers
- Three integrated RS-485 serial ports
- Additional serial ports can be added via USB ports
- Integrated Ethernet controller with firewall capabilities
- Integrated configuration web page
- User adjustable controller monitoring rate
- Remotely upgradable gateway software

#### Lighting Controller (SLQ218)

- 365-day programming for each circuit
- Analog input for photo sensor with the ability to remotely adjust sensitivity level
- Selectable power failure state
- Eight channel lighting schedules for interior and exterior applications
- Digital photocell inputs
- Astronomical clock
- External time clock or occupancy sensor input for each channel

- Channel status LEDs
- Selectable normally open or normally closed relays
- Built-in 2 Amp relays with hand/off/auto switches

#### Energy Meter (SEQ100)

Utility Meter for Monitoring of:

- Electric single and 3 phase kW and kWh
- Gas
- Water
- BTU

## Specifications

### General

**Enclosure:** 20 gauge steel

**Indicators:** Twelve status LEDs

**Overrides:** Eight push-button for lighting

### Environmental

**Operating temperature:** 32° to 77°F (0° to 25°C) with proper ventilation

**Operating humidity:** 0 to 90%, non-condensing

**Storage Temperature:** -4° to 176°F (-20° to 70°C)

### Electrical

**Supply voltage:** 110 - 240 VAC, 165 VA / 2.5 A Max, UL, FCC Class A, and CE Listed

### Lighting

**Inputs:** Eight digital (dry contact) and two 0-5V light sensors

**Outputs:** Eight 2 Amp relays with manual hand/off/auto switches, capable of switching 24 VAC

**Analog input impedance:** 10k ohm

## Energy Meter SEQ100

**Accuracy:** +/- 0.5%

**Programming:** Via RS-485 Communication

**Communications:** RS-485, half duplex

**Memory backup:** Non-volatile EEPROM, no battery required

## Lighting Controller SLQ218

**Programming:** Via RS-485 Communication

**Communications:** RS-485, half duplex

**Memory backup:** Non-volatile EEPROM, no battery required

## Ubiquity Site Gateway

**Programming:** Via embedded setup page

### Communications:

- Controller network - RS-485 (half duplex)
- Modbus support
- ZigBee wireless TCSBus support
- TCSBus support
- Integrated Ethernet
- Two integrated RS-485 serial ports
- 4 USB Ports: USB to RS-485 serial converter is used to connect with controllers.

**NOTE:** Specifications subject to change without notice.

## Ordering Information

Part #	Description
QWL 3.1 Rev 2	Integrated Building Manager Panel
QWL 3.1 Rev 2 -	Bundled w/QW1010

View our full line at [tcsbasys.com](http://tcsbasys.com).

## Dimensions

### QWL 3.1 Rev 2 Series Panel

