

# Quadlogic S-10T

## Apartment Model Digital Electric Meter With Temperature Reporting

### *INSTALLS WITHIN APARTMENT & COMMUNICATES REMOTELY*



For over 30 years, Quadlogic has been using a patented Power Line Communications (PLC) technology to transmit meter data over the building's existing power lines.

The S-10T along with reporting energy, has a built-in sensor that allows it to report the room temperature to tenant/owner, building engineer or property manager either directly or remotely. It is ideal for older residential buildings with steam or forced hot water systems.

- Using PLC, temperature and energy usage are recorded every 15 minutes and stored in non-volatile memory.
- Boilers & valves can be automatically turned on/off using heating control systems such as Heat-Timer® reducing energy usage significantly.

### *FEATURES / BENEFITS*

- **Easy to Install**
  - Compact, Unobtrusive Design
  - Proven Accuracy - ANSI C12.20-2010
  - Surface Mount - 3.4" H X 6.5" W X 1.6" D
- **Integrated Power Line Communications**
  - Utilizes existing electrical wiring for communications. Requires no additional dedicated hard wires, additional modules or attachments for communications
- **Comprehensive Information**
  - Event reporting with date and time stamps regarding power consumption, power ups and power downs, time changes and tampers
- **Catalog Numbers**
  - 72-S10TS2P      Surface Mount
  - 72-S10TF2P      Flush Mount
- **Liquid Crystal Display**
  - Shows electrical consumption and ambient temperature
- **Data Integrity**
  - Utilizes non-volatile flash memory for accurate data storage and integrity
- **Installation Verification**
  - Display allows on-site verification of proper installation
- **Flexible Data Programming**
  - Interval data down to 15 minutes allows flexible load profiling and Time of Use billing options
- **Manufacturer's Warranty**
  - Five year meter warranty



*The Logical Choice  
for Energy Services*



# Quadlogic S-10T

## S-10T TECHNICAL SPECIFICATIONS...

- **Metering Voltage**
  - Metered Voltage: 120/208V 1P3W
- **Current Input**
  - 0.1 Amp Input (50 Amp, 100 Amp or 200 Amp Primary)
- **Four Quadrant Consumption & Demand**
  - Delivered & received: kW, kVARLeading, kVARLagging, kVA, volts-squared hours and amp-squared hours
- **Programmable Interval Data and Peak Demand**
  - 15 Minutes to hourly intervals
  - Meter total and/or by phase
- **Real Time Data per Phase**
  - Voltage, current, phase angle, power factor, THD, watts, VAR's, VA and frequency
- **Time of Use**
  - Up to 16 blocks per day available for all metering parameters
- **Operating Range**
  - Voltage: 120 VAC Rated Voltage (90% to 110%)
  - Temperature: -20<sup>0</sup> C to +50<sup>0</sup> C ANSI C12.1 4.7.3.5
  - Humidity: 0 to 95% Relative Humidity (non-condensing) ANSI C12.1 4.7.2.17
  - Transient/Surge Suppression: ANSI C37.90.1-2002
- **Communications**
  - Power Line Communications, PLC (standard feature)
- **Accuracy**
  - 0.5 Class per ANSI C12.20-2010
  - Meets ANSI C-12.20-2010 and UL, UL-C File 61010-1 3<sup>rd</sup> Edition UL 610-10-2-30 1<sup>st</sup> Edition File E113178
- **Liquid Crystal Backlit Display**
  - 6 Whole digit consumption register
  - Data digit height: 0.46"
- **Push Button**
  - For access to secondary information and backlight
- **Memory**
  - 2 Mbyte non-volatile flash memory retains daily and interval data during power outage:
    - Flash memory retains daily and interval data
    - Long-life lithium battery maintains time, retains data acquired within the incompleting interval at the time of outage
- **Additional Features**
  - Ambient temperature sensing - Remote access to energy and temperature data
- **Shipping Dimensions & Weight** 3.4"H x 6.5" W x 1.6" D 1 lb.

**Note:** Follow manufacturer's installation instructions and comply with local electrical codes. Features & Specifications are subject to change without notice.



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- **Quadlogic Controls Corp.** • **33-00 Northern Boulevard, Long Island City, NY 11101** •
  - **212. 930.9300** • **sales@quadlogic.com** •