



SMARTlogger™ ON/OFF TIME-OF-USE INSTRUMENTS

**3 Year
Warranty!**



- Very Low Cost
- Measures Total On-Time and On/Off transitions of almost any device. Use with Lights, Motors, Water Heaters, Gas Valves, and more!
- Instantly see what your logger has recorded. All **SMARTloggers™** come with a 5-digit LCD showing On-Time (in hours) and Percent On.
- With a storage capacity of 8,000 records, **SMARTloggers™** can record unattended for months...even years.
- Why settle for a logger with only a one-year battery? **SMARTloggers™** come with a five-year battery standard.
- Simple mounting using powerful rare earth magnets, Velcro®, or screw hole easily secures the instruments out of sight.
- Interfaces with **SMARTware™** Windows® software package for easy data retrieval and simple, but sophisticated, data analysis.
- Compact and tough, the **SMARTloggers™** are designed to provide many years of service in a variety of operating conditions.
- **3 Year Warranty. Compare *that* to the competition!**

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ESIS

Industrial Electronics

SMARTloggers™

Technical Information

| GENERAL SPECIFICATIONS | |
|------------------------|---|
| Logger Types | LIGHTING: Internal Photo-Sensor MAG: Internal Magnetic Field Sensor CT: External Current Transformer CONTACT: External Switch or Relay |
| Display | 5 digit LCD showing Total On-Time, Percent On, On/Off Annunciator |
| Time Stamps | Month, Day, Year and Hour, Minute, Second |
| Time Resolution | One second |
| Sampling Rate | One per second (1 Hz) |
| Data Analysis | Statistics, summaries, graphs and data export using SMARTware™ |
| Memory | 8,000 records, ring memory <i>plus</i> Separate On-Time Totalizer |
| Sensitivity | LIGHTINGlogger™: Adjustable MAGlogger™: 40 mGauss min CTlogger™: 0.25 amp min CONTACTlogger™: Dry contacts |

| COMMUNICATION SPECIFICATIONS | |
|------------------------------|--|
| Communication | USB with SMARTlogger™ communications cable |
| MECHANICAL SPECIFICATIONS | |
| Operating Temperature | 0° to 60°C (32° to 140°F) |
| Operating Humidity | 5% to 95% non-condensing |
| Battery Life | 5 years |
| Internal Clock | Real-Time, Crystal controlled, true calendar, 20 ppm accuracy (<1 min/month) |
| Weight | 40 gm (1.5 oz) |
| Dimensions | 6.3 x 3.8 x 1.9 cm (2.5" x 1.5" x .75") |
| Mounting | Magnets, Velcro®, or Mounting Hole |
| Warranty | Three Years |

SMARTware™ : DATA ANALYSIS MADE EASY

- All **SMARTloggers™** use **SMARTware™** Windows®-based software that makes it easy to analyze and visually present recorded data
- Monitor usage trends with the click of a mouse
- Pre-programmed graphs and analysis functions make understanding your data simple
- Easily export usage data into other popular spreadsheet and database programs
- Extremely flexible to accommodate a wide range of measurement needs

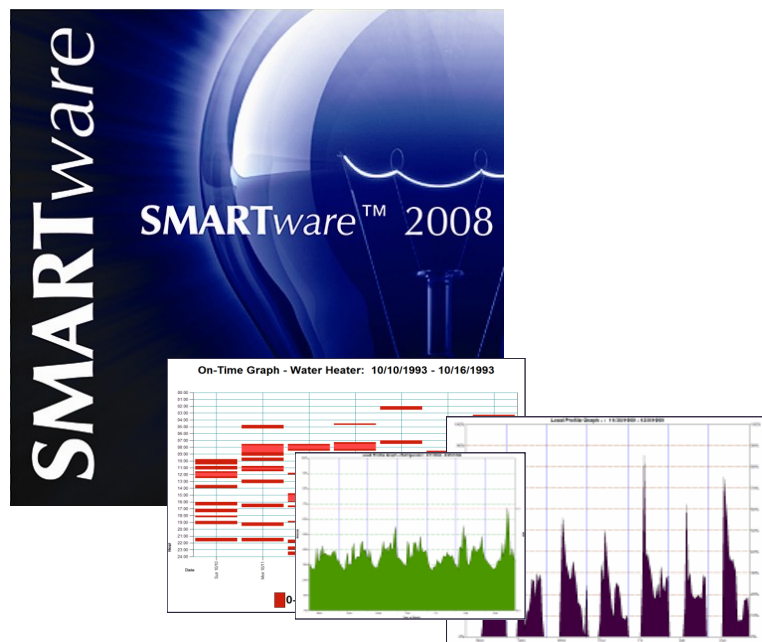
NEED ANSWERS TO ENERGY QUESTIONS?

The **SMARTlogger™** TOU series of instruments are designed to monitor the On-Off status, Time-of-Use operating schedule, and Total On-Time for energy consuming devices and systems. Models are available for Lighting systems, Motors, Relays and Switches, and virtually any electric load. The non-contact monitoring makes installation simple. Each of these small, robust instruments provide powerful data for superior energy management.



FOUR SMARTLOGGER™ MODELS AVAILABLE

- CTlogger**
External Current Transformer
- LIGHTINGlogger**
Internal Photo Sensor
- MAGlogger**
Internal Magnetic Sensor
- CONTACTlogger**
External Switch or Relay



CONTACT INFORMATION

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