



TOU SERIES



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!**

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



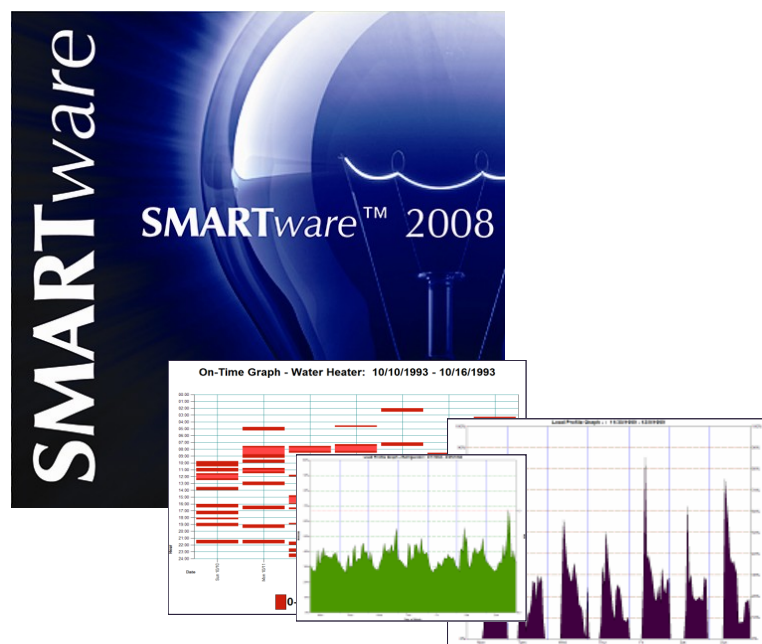
LIGHTINGlogger
Internal Photo Sensor



MAGlogger
Internal Magnetic Sensor



CONTACTlogger
External Switch or Relay



CONTACT INFORMATION



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