

# SMART *logger*™

TOU SERIES INSTRUMENTS

**ESIS Pty Ltd**

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## SEARCHING FOR ANSWERS TO ENERGY QUESTIONS?



The LIGHTINGlogger™, shown actual size.

The SMART *logger*™ 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 management.

## SMART *loggers*™ Advantages

- Measures Total On-Time and On/Off transitions of almost any device. Use with Lights, Motors, Gas Valves, and more!
- Instantly see what your logger has recorded. All SMART *loggers* come with a 5-digit LCD showing On-Time and Percent On.
- With a storage capacity of 8,000 records, SMART *loggers*™ can record unattended for months...even years.
- Why settle for a logger with only a one-year battery? SMART *loggers*™ 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 SMART *ware*™ Windows® XP software package for easy data retrieval and simple but sophisticated analysis.
- Compact and tough, SMART *loggers*™ are designed to provide many years of service in a variety of operating conditions.
- Know your investment is protected. All SMART *loggers*™ have a three-year warranty. Compare *that* to the competition!



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Easy energy performance data for baseline studies, savings analyses, and operating schedules.

### SMART *logger*™ Specifications

Logger Types	LIGHTING: Internal photo-sensor MAG: Internal Magnetic Sensor CT: External Current Transformer CONTACT: External Switch or Relay
Display	5 digit LCD showing Total On-Time, Percent On, Annunciator
Time Stamps	Month, Day, Year and Hour, minute, Second
Time Resolution	One second
Data Analysis	Statistics, summaries, graphs and data export using SMARTware™
Memory	8,000 records, ring memory <i>plus</i> Separate On-Time Totalizer
Communication	USB with SMART <i>logger</i> ™ communications cable
Sensitivity	LIGHTING <i>logger</i> ™: Adjustable MAG <i>logger</i> ™: 40 mGauss min CT <i>logger</i> ™: 0.25 amp min CONTACT <i>logger</i> ™: Dry Contacts
Internal Clock	Real-Time, Crystal controlled, true calendar, 20 ppm accuracy (<1 min/month)
Battery Life	5 years
Operating Temperature	0 to 60° C (32 to 140° F)
Operating Humidity	5% to 95% non-condensing
Dimensions	6.3 x 3.8 x 1.9 cm (2.5 x 1.5 x .75")
Weight	40 gm (1.5 oz)
Mounting	Magnets, Velcro®, or Mounting Hole
Warranty	Three years

### SMART *ware*™: Data Analysis Made Easy

- All SMART *loggers*™ use SMART *ware*™ Windows®-based software that makes it easy to analyze and visually present monitored 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.

