

RESET

SENSITIVITY

RESET

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CT/ogger<sup>™</sup> 4G



# **SMARTLOGGERS**<sup>™</sup>

## ON/OFF TIME-OF-USE INSTRUMENTS

MEASURE TOTAL-ON TIME AND ON/OFF TRANSITIONS OF ALMOST ANY DEVICE

# FEATURES

- Instantly see what your logger has recorded. All
  SMARTloggers<sup>™</sup> come with a 5-digit LCD showing On-Time (in hours) and Percent On.
- With a storage capacity of over 32,000 records,
  SMART/oggers<sup>™</sup> can record unattended for months or years.
- Simple mounting using power rare earth magnets, Velcro<sup>®</sup>, or screw hole easily secures the instruments out of sight.
- Interfaces with SMARTware<sup>™</sup> Windows<sup>®</sup> software package for easy data retrieval and simple, sophisticated data analysis.
- Compact and rugged, the SMART/oggers<sup>™</sup> are designed for provide many years of service in a variety of operating conditions.
- Five-year battery life.
- Three-year warranty.

# APPLICATIONS

- Lights
- Motors
- Water Heaters
- Gas Valves
- Switches & Relays
- Virtually any electric load



# SMARTLOGGER<sup>™</sup> SPECIFICATIONS

GENERAL	
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 STAMP RESOLUTION	1 Second
MINIMUM EVENT ON/OFF CAPTURE	0.5 Hz (2 seconds)
DATA ANALYSIS	Statistics, summaries, graphs, and data export using <b>SMART</b> <i>ware</i> <sup>™</sup> software
MEMORY	32,576 records. Ring memory plus separate On-Time Totalizer
SENSITIVITY	LIGHTINGlogger: Adjustable MAGlogger: 40 mGauss minimum CTlogger: 0.25 amp minimum CONTACTlogger: Dry Contacts

### **COMMUNICATIONS**

COMMUNICATION	USB with SMARTlogger Communications Cable
MECHANICAL	
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 minute/month)
WEIGHT	40 gm (1.5 oz)
DIMENSIONS	6.3 x 3.8 x 1.9 cm (2.5" x 1.5" x 0.75")
MOUNTING	Rare earth magnets, Velcro <sup>®</sup> , or mounting hole
WARRANTY	Three Years

# SMARTWARE: EASY DATA ANALYSIS

- All SMART/oggers 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.



**DENT Instruments, Inc.** *Energy & Power Measurement Solutions* 

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### NEED ANSWERS TO ENERGY QUESTIONS?

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 power data for superior energy management.

# FOUR MODELS AVAILABLE:

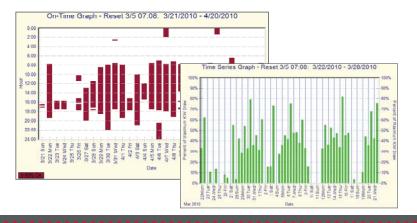


**CT***logger* External Current Transformer

LIGHTINGlogger Internal Photo Sensor

**MAG***logger* Internal Magnetic Sensor

**CONTACT***logger* External Switch or Relay





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