INTELITIMER® PRO LOGGER

IT-200

Determines energy savings potential from occupancy sensor use

Adjustable light pipe observes lighting level

Logs when a space is occupied/vacant and when lighting is on/off

IT-ProSoft Software provides single-step data retrieval, storage, analysis, printing

Lithium battery with average life of 10 years

Small and lightweight for ease of use and portability

Description

The InteliTimer Pro (IT-200) is a revolutionary occupancy and light logger that establishes the energy saving potential when using occupancy sensors. With this versatile tool, spaces for lighting control use can be pinpointed and savings can be verified.

Operation

The IT-200 records a log entry every time there is a change in either the occupancy status or lighting status and stores a detailed history of these events for retrieval by PC. It utilizes passive infrared technology to detect occupancy. It observes the light level through a clear, plastic light pipe to determine if lights are on or off. The logger distinguishes artificial lighting from natural lighting to give accurate "lights-on" readings. To log data, a user places the logger so that its lens has a clear view of the workspace and the light-pipe aims towards the nearest light fixture.

Features

- Reports show graphs of occupancy and lighting and projects savings and statistical information
- Users set logging parameters for more accurate savings projection
- Powered by a lithium battery, with an extended life span of approximately ten years
- Small and lightweight for ease of use and portability
- Installs quickly and conveniently and requires no wiring

T-bar Ceiling Installation

Included with the IT-200 is IT-ProSoft 2.0 software. In a single keystroke or mouse click, users can retrieve, store, analyze, or print data reports. These reports can be directly exported to Microsoft® Excel for further analysis. IT-ProSoft also enables users to operate multiple units in multiple locations while ensuring that each logger's identity and logging site information will be correctly merged. Once the logged information is retrieved, the unit can be reset and used to log information at another test site. Users may group logging data from different areas and automatically receive separate reports by utilizing the IT-200's bookmarking feature.

Applications

The IT-200 offers a simple and cost-effective method of auditing any building space for wasted lighting. Since the logger is portable and battery operated, it is convenient to quickly move it from one location to download to a computer, and on to the next location for another logging session.

- IT-ProSoft 2.0 operates in six languages (English, French, German, Spanish, Swedish, and Norwegian) with appropriate currency/ date/time formats, and energy and HVAC defaults
- Occupancy detection LED helps users confirm that logger is detecting motion in desired space
- Light level LED helps users set logger to identify the on and off lighting levels of different locations
- The LEDs work for a 60 second test period to preserve battery life

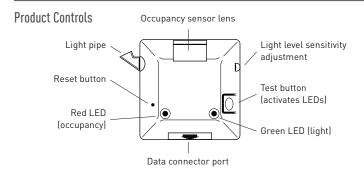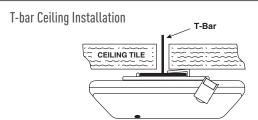| PROJECT		LOCATION/ TYPE	

Specifications

InteliTimer Pro

- Lithium battery operated. Average battery life ~ 10 years. Battery life indicator
- Test button activates LEDs for 60 seconds during which sensitivity is set and proper location for occupancy detection is verified
  - Red LED blinks during occupancy detection
  - Green LED blinks when lighting is detected
- Recessed reset switch
- Coverage up to 150 ft² (45.7m²)
- Stores a maximum of 4096 entries
- Stores site name to identify the area being monitored
- Connects to computer (PC) for data retrieval via serial connector cable
- Includes a serial to USB adapter for computers without serial ports

IT-ProSoft Software

- Lists all log entries: entry number, date/time of entry, lighting status, occupancy status
- Users set logging parameters (energy cost/kWh, size of load, site name, sensor time-outs) for more accurate savings projection
- Reports show daily graphs of occupancy and lighting data, and lighting/occupancy analysis projecting savings and statistical information
- HVAC factor enables calculation of additional potential savings due to reduced HVAC load
- While connected, software can reset the logger in preparation for a new logging session
- Merge log capability combines outputs from multiple loggers monitoring a single location
- Compatible with Windows XP Professional with SP3, Windows Vista Business, and Windows 7 Professional (32 or 64-bit)

Controls & Installation

Product Controls

Occupancy sensor lens
Light pipe
Light level sensitivity adjustment
Reset button
Test button (activates LEDs)
Red LED (occupancy)
Green LED (light)
Data connector port

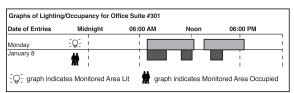### T-bar Ceiling Installation

T-Bar
CEILING TILE

The IT-200 simply clips to a T-bar of a ceiling tile — no wiring is needed. For installation onto other surfaces, the unit comes with a flat bracket and double-stick tape.
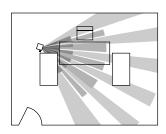
Coverage & Software Reports

Logged Entries Report

Entries:	42		Cost/kWhr:	$0.080
From:	Sun, Aug 14, 1995 at 12:00:00 PM		HVAC Adder:	15%
To:	Thu, Aug 18, 1995 at 9:32:00 PM		Load Size:	180W

1	Sun, Aug 14, 1995 at 12:00:00 PM	Lights ON	Occupied
2	Sun, Aug 14, 1995 at 2:25:00 PM	Lights ON	Vacant
3	Mon, Aug 15, 1995 at 7:50:00 AM	Lights ON	Occupied
4	Mon, Aug 15, 1995 at 10:15:00 AM	Lights ON	Vacant
5	Mon, Aug 15, 1995 at 10:50:00 AM	Lights ON	Occupied
6	Mon, Aug 15, 1995 at 12:15:00 PM	Lights OFF	Vacant

Lighting & Occupancy Graph

Graphs of Lighting/Occupancy for Office Suite #301

Date of Entries	Midnight	06:00 AM	Noon	06:00 PM
Monday January 8				

graph indicates Monitored Area Lit   graph indicates Monitored Area Occupied

Office Placement Example

The IT-200 monitors an area of up to 150 ft² (13.9m²). The unit should be placed near the light source with the light pipe aimed at the light and the lens facing the occupant's main work area.

Lighting & Occupancy Graph

LIGHTING/OCCUPANCY SUMMARY

ON+Occupied:	59.81 hours	17.8%	
ON+Vacant:	80.64 hours	24.0%	
OFF+Occupied:	0 hours	0.0%	
OFF+Vacant:	195.55 hours	58.2%	

Ordering Information

Catalog #	Description
☐ IT-200	Occupancy and light logger with software for PC

All units are white