

January 1, 2013

Kencor Elevator Systems

Installation, Maintenance, Repair, Modernization, Accessibility

Training Completed:

- Maxton Valve Training



Proud Member:

- National Association of Elevator Contractors



Kencor Elevator Systems



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Rising Above the Rest

What's New

Please take a moment and check out our new website. It is still located at our current site address www.kencorelevator.com. We have added many improvements that have valuable information for our customers. There are improved descriptions of our maintenance packages and the different services we offer. We also have an updated page with contact information. You can find

maintenance tips, inspection requirements for your specific state, standard specifications for construction and details about our safety and education programs. We hope you find the new information useful and we will continue to monitor and update our site to support our customers.



Helpful Tip

Providing safety to building occupants should always be top priority. One way to do so is by installing key switches or card readers for elevator/floor access. There are a variety of brands of lockout mechanisms that are available to meet specific needs. Please contact us if you have any questions or to obtain more information. We can also provide you with extra keys and repair your current lock system.

Product Spotlight

We are proud to introduce product spotlight. Check out the next page to see a new, innovative product. We will showcase a different product with every newsletter and offer it at a special discounted price for a limited time. Contact us with any questions. Our first feature is the Light Watcher; keep reading to see how it can save you money.



We're Listening

Improving customer satisfaction is a goal we work on every day. Since initiating electronic work tickets, we have been able to save our customers time by having the tickets automatically emailed to them. Please give your technician your email if you would like a copy of the work ticket directly sent to you. Remember to go online and fill out our survey, we're waiting to hear how else we can help.

Current Project

Goldtex Lofts Center City



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Light Watcher



Technical Data

power supply voltage	110 V AC
power consumption	2 VA
relays	3
max. switching voltage	250 V AC
max. peak current	15 A
max. rated current	10 A
max. rated load (resistive)	2500 VA
max. rated load (ind.)	500 VA
min. switching load	0,3 W
additional inputs	4
control voltage	12 V- 230 V AC/DC
dimensions (LxWxH)	106 X 90 X 58 mm
time period, adjustable	1 min to 10 min



LIGHT watcher

An important amount of energy is wasted by the cabin illumination. More than 40% of the overall power consumption of elevators is wasted by stand-by functions. 1/3 of this energy is for cabin lighting. The LIGHT watcher will enable you to have the cabin illumination simply switched off when not required.

How it Works

LIGHT watcher is installed directly onto the car roof or cabin fixture panel, where it can sense car movements by its three acceleration sensors. These sensors even recognize movements of the car door.


The cabin light is switched on each time a movement in the car is sensed. The switching threshold of the sensing of movements is to be adjusted directly at the LIGHT watcher.

After the lapse of an adjustable time the light is switched off again, if no further car or door movements are sensed. To install LIGHT watcher, simply cut the lighting branch-circuit to place LIGHT watcher in. Supplied with power by the lighting branch-circuit, it does not require any further wiring.

In addition to the cabin illumination, LIGHT watcher can switch off another consumer. Moreover, it offers a third contact to switch on a consumer while in low power mode, like an emergency illumination for example.

For special applications, if in addition to the acceleration sensors other ones shall also activate the cabin light, there are four potential-free inputs available.

Benefits

- Easy, quick installation in the lighting branch-circuit
- Adjustable Timer: Can be set to meet ASME A17 code that states minimum wait time of 5 minutes.
- 4 inputs for verifying the 4 requirements by ASME A17 before shutting off cabin illumination.
- 65% Potential Energy Savings 
- Go Green! Benefit the Environment

Part No.

#460000

Light Watcher



LIGHT watcher

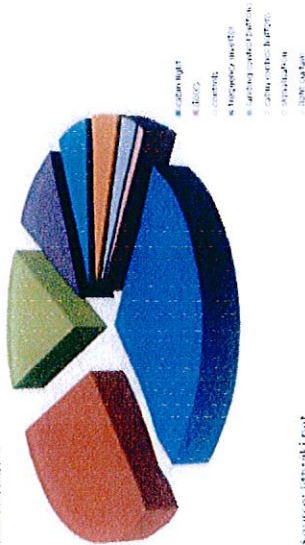
LIGHT watcher

Upgrading Energy Efficiency...

Using LIGHT watcher saves energy costs and even benefits the environment, fully in the sense of VDI 4707 (directive from VDI, The Association Of German Engineers).

Especially existing lifts have scarcely been in the focus of energy efficiency ambitions. So their cabin illumination is on throughout, wasting more than 40% of the overall power consumption of lifts.

What shares in the energy consumption of a lift at a standstill?



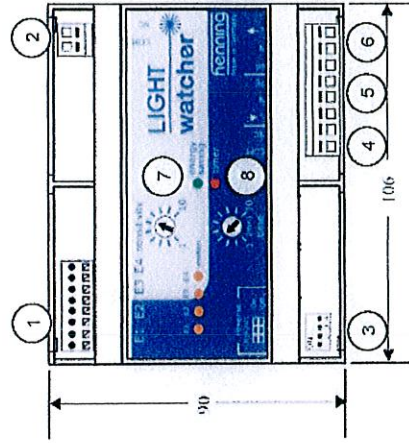
Source: liftwatch

Sample calculation

Power Consumption per year (cabin light being on throughout)	Total Usage (kWh)	Potential Savings (kWh) (annual US \$)	Percent Savings
Fluorescent (128 W 4 bulb fixture)	1121	\$116.61	65.50%
Halogen Lamps (150 W per bulb)	5256	\$546.62	66.40%

Energy price assumption: US national average \$,104
Assumes Cabin Lighting is on 2h hours a day 7 days a week

1. Dimensions



[mm]

- 1 Supplementary control inputs
- 2 Relay output for connectible switch-on consumers such as for example emergency light
- 3 DIP-switch for reversing the control inputs
- 4 Relay output for connectible switch-off consumers such as for example ventilation fan
- 5 Switched supply voltage of cabin light
- 6 Supply voltage of LIGHTwatcher and cabin light
- 7 Sensitivity dial
- 8 Switching delay dial

