

Auto-lite™

Emergency Override Light Switch



Series I



N517



Approval # N19019

International Patent: PCT/AU02/00705

Document: Auto-Lite.doc

Release: 2 October 2003

I n s t r u c t i o n s

Designed and Manufactured in Australia by



Introduction:

The Auta-lite™ Emergency Override Light Switch

is a unique device that simply replaces the standard light switch in a room. In everyday use, the end user operates the light switch as per normal i.e they manually switch the lights on and off. However, the lights can automatically be turned on at any time by a range of compatible wireless radio transmitters including movement sensors, smoke sensors, door & window sensors, remote controls, or even wireless impact sensors. A tiny retro-fit transmitter is also available for use with existing alarm detectors, or for connecting to the output of an alarm control panel. The emergency override function may be used for emergency or remote controlled lighting or for use when an alarm system activates to automatically turn on room lights to scare off intruders. A primary application is also for use with CCTV installations, where most cameras can not see at night due to insufficient lighting. The Auta-lite allows new or existing alarm detectors to not only trigger the alarm system, but to also automatically switch on the room lights enabling the cameras to see and record.

For use in Australia, we chosen a quality HPM brand wall switch to integrate with our state-of-the-art electronic Auta-lite™ receiver circuitry, giving a perfect combination for our application.



Front Cover On



Front Cover Removed



Wireless PIR Movement Detector

Note: The device used however can be any one of the following:

- An existing hardwired alarm sensor or alarm control panel fitted with our retro-fit ENSA Transmitter
- A detector made by an electronic security manufacturer who has incorporated an ENSA transmitter as part of their design
- A Wireless PIR, Wireless Reed Switch, Wireless Smoke Sensor, Wireless Impact Sensor or Wireless Remote Control made by RhinoCo

Quick Installation Overview

Simply remove your existing light switch and replace with an Auta-lite™ Emergency Override Light Switch. In most Australian homes, you won't even have to drill any new holes, as the template for the existing wall switch will be identical to the Auta-lite™. Now install a suitable wireless detector and learn it in to the Auta-lite™. Now adjust the light on time & light level to suit your room. In fact, the whole installation process should take a licensed electrician less than 10 minutes!

Quick Operation Overview

To turn the lights on & keep them on permanently:

Flick the switch to the on position.

To turn off the lights or to enable automatic activation of lights:

Flick the switch into the off position.

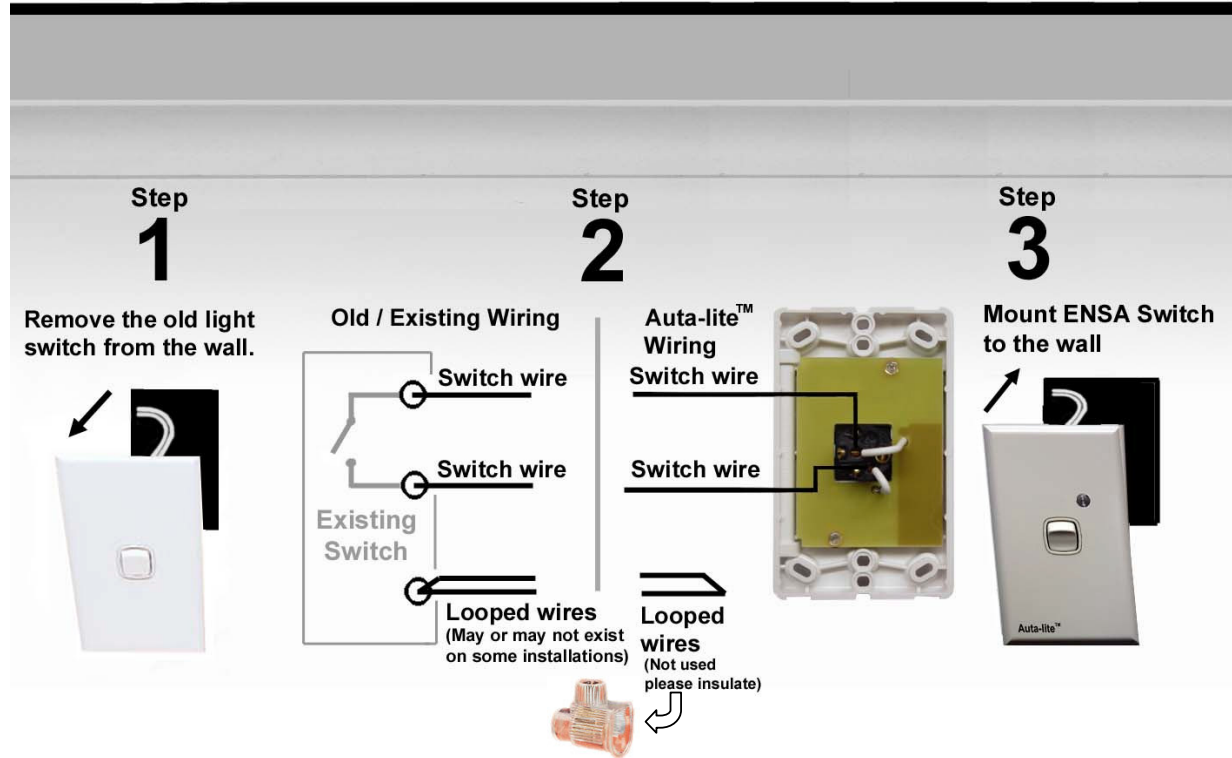
Specifications:

Load:	<u>Must</u> consist of a Resistive Element. EG: Fluorescent, Energy Saving Lights, Incandescent Light or Fan. Not suitable for Induction motor or inductor loads.
Load Limit:	400 Watts maximum
Power Supply:	240 Volts @ 50Hz

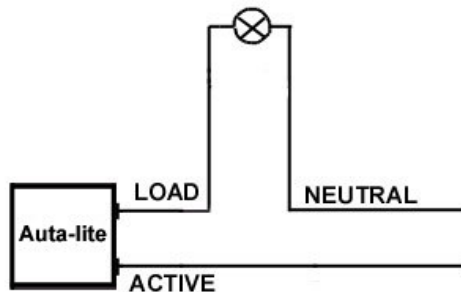
Note: Fluorescent lights may have ballast of similar ratings (approximately ± 20 Watts) to the light itself i.e. a 35W fluorescent light may have a 35W ballast, therefore the load for that one fluorescent tube would be $35W + 35W = 70Watt$.

Installation

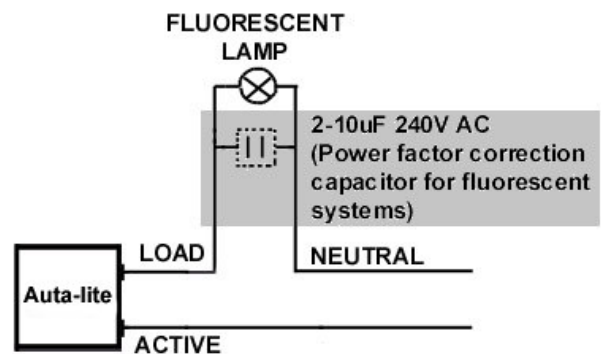
The Auto-lite is installed easily using the existing wires from your old light switch.
THIS MUST BE CARRIED OUT BY A LICENCED ELECTRICIAN.



Standard Load Wiring Diagram



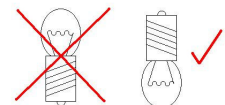
Fluorescent Lamp Wiring Diagram



On certain fluorescent light installations a power factor correction capacitor may need to be installed. If so refer to the diagram above.

IMPORTANT NOTE:



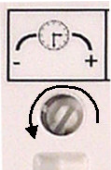

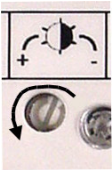

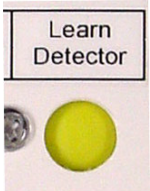

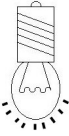
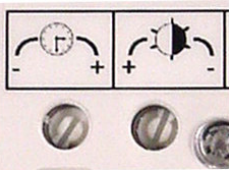
NEVER MOUNT LIGHT BULBS WITH THE FILAMENT FACE UP (see picture right). The filament will fall and short across the bulb terminals if and when the light globe blows. This will in-turn cause a component (the triac) on the ENSA to heat up and destroy itself. This is not covered under warranty.



Adding A Wireless Device



A wireless device may be any product with the “ENSA Equipped” label (shown left) displayed on the product itself, its instructions or its packaging. ENSA Equipped products are available from where you bought your Auto-Lite Emergency Override Light Switch.

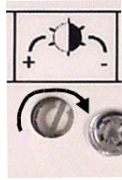
<h3>Step1</h3> <p>Make sure the switch is in Auto-lite mode.</p> 	<h3>Step2</h3> <p>Remove the front cover by pulling the front face plate out from the top edge.</p> 	<h3>Step3</h3> <p>Turn the timer setting to its most anti-clockwise position with the tool provided.</p>  	<h3>Step4</h3> <p>Turn the light sensitivity setting to its most clockwise position with the tool provided.</p>  
<h3>Step5</h3> <p>Press the yellow “Learn Detector” button using the plastic end of the screwdriver tool provided.</p>  	<h3>Step6</h3> <p>Immediately after pushing the yellow button trigger the wireless device.</p> <p>TRIGGER THE WIRELESS DEVICE</p> <p>See separate manual supplied with each device on how to trigger.</p>	<h3>Step7</h3> <p>Test that each time the device is triggered that the light turns on for 3 seconds (approx).</p>  <p>If this doesn't work go back to step 6</p>	<h3>Step8</h3> <p>Turn the light sensitivity setting and the timer setting to the desired level and replace the front face plate.</p> 

Adjusting the light sensor

This adjustment will set the level of light at which the Auto-lite will stop turning the light(s) on. Generally, the lights should not turn on when the natural light in the room is sufficient.

To adjust the light sensor you must remove the front face plate of the Auto-lite. Use the supplied tool to make the adjustment.

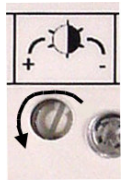
Turn the adjustment in the clockwise direction if the Auto-lite:



- is turning on unnecessarily because there is already sufficient natural lighting in the room.

That is, you don't want the lights to turn on until the room is darker.

Turn the adjustment in the anti-clockwise direction if the Auto-lite:

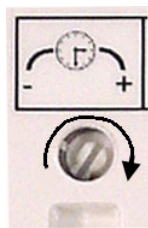
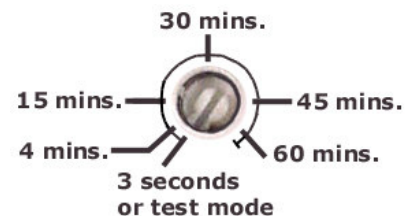


- is not turning on the light when there is insufficient natural lighting in the room.

That is, the room is dark and the lights aren't turning on.

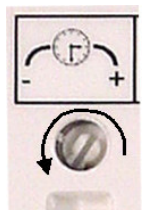
Adjusting the timer

This adjustment will set the duration the light will stay on for after the wireless device has triggered. This time will reset each time the wireless device(s) is triggered. Set this to suit your own desired requirements or specific application.



Turn the adjustment in the clockwise direction to increase the amount of time the light stays on for after being triggered.

If the adjustment is at its most clockwise position the setting will be maximum. **The maximum time is approximately 1 hour.**



Turn the adjustment in the anti-clockwise direction to decrease the amount of time the light stays on for after being triggered.

If the adjustment is at its most anti-clockwise position the setting will be 3 seconds. If the adjustment is turned clockwise just a slight amount the **minimum time will be 4 minutes.**

Operation

The Auto-lite works in the same manner as a traditional lightswitch, with the exception that when it is tuned off, a programmed “ENSA Equipped” wireless device can override the switch and turn the lights on, when the “ENSA Equipped” wireless device is triggered.



ON MODE

If at any time you would like to turn the light on without needing the wireless device to trigger, you may press the switch to the **down position** to turn the light on just like you would on a regular light switch.



AUTA-LITE MODE

When the switch is off, the lights will turn on when a programmed “ENSA Equipped” wireless device is triggered and there is insufficient natural light. The light will stay on for a predetermined amount of time.

Warranty Terms & Conditions

The expression "The Company", when referred to in these Terms and Conditions, refers to CORNICK PTY LTD ABN 74 001 621 610 (T/as RhinoCo Technology).

The Company warrants its products to be in conformance with its own plans and specifications and to be free from defects in materials and workmanship under normal use and service for 12 (twelve) months from the date of original purchase.

The Company's obligation shall be limited to repairing or replacing, at its option, free of charge for materials or labor, any part which is proved not in compliance with The Company's specifications or proves defective in materials or workmanship under normal use and service. The Company shall have no obligation under this Limited Warranty or otherwise if the product is altered or improperly repaired or serviced by anyone other than The Company.

For warranty service, return the product (transportation prepaid) to:
RhinoCo Technology, 9 Hannabus Place, McGraths Hill, NSW 2756 Australia

There are no warranties, expressed or implied, of merchant ability, or fitness for a particular purpose or otherwise, which extend beyond the description on the face hereof. In no case shall The Company be liable to anyone for any consequential or incidental damages for breach of this or any other warranty, express or implied, or upon any other basis of liability whatsoever, even if the loss or damage is caused by its own negligence or fault. The Company's maximum liability shall not in any case exceed the purchase price of the product, which shall be the complete and exclusive remedy against The Company.



Auto-Lite™ Wireless Light Switch Warranty Card

Please return this card inside a stamped envelope to the address shown on the reverse.

Name			
Address			
Suburb	State	Postcode	
Email			
Date of Purchase	Invoice Number		
Daytime Phone			
Where did you purchase your Auto-Lite?			
Store Location			
Auto-Lite installed by: _____			
Do You Have Any Comments / Suggestions Regarding This Product:			

This information will only be used by the manufacturer and will not be sold to any third parties.

Troubleshooting

Symptom	Solution
Light won't turn on at all	<ul style="list-style-type: none"> • Check your wiring • Ensure that the load is not over the 400-Watt limit. • The Auto-Lite is unserviceable, return it to your supplier for repair by the manufacturer.
The light only turns on for 3 seconds	<ul style="list-style-type: none"> • Turn the timer adjustment clockwise • See <u>adjusting the timer</u> section of this manual
The light stays on and will not turn off	<ul style="list-style-type: none"> • Press the right switch to the up position (OFF). • Turn the timer adjustment anti-clockwise • See <u>adjusting the timer</u> section of this manual
The light doesn't turn on after the wireless device triggers	<ul style="list-style-type: none"> • Turn the light adjustment anti-clockwise • Program the wireless device into the Auto-lite (see <u>adding a wireless device</u> section in this manual)
The light pulses on and off intermittently	<ul style="list-style-type: none"> • The lightswitch has automatic protection to stop the lightswitch from overheating caused by overloading. The load is greater than 400W.



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