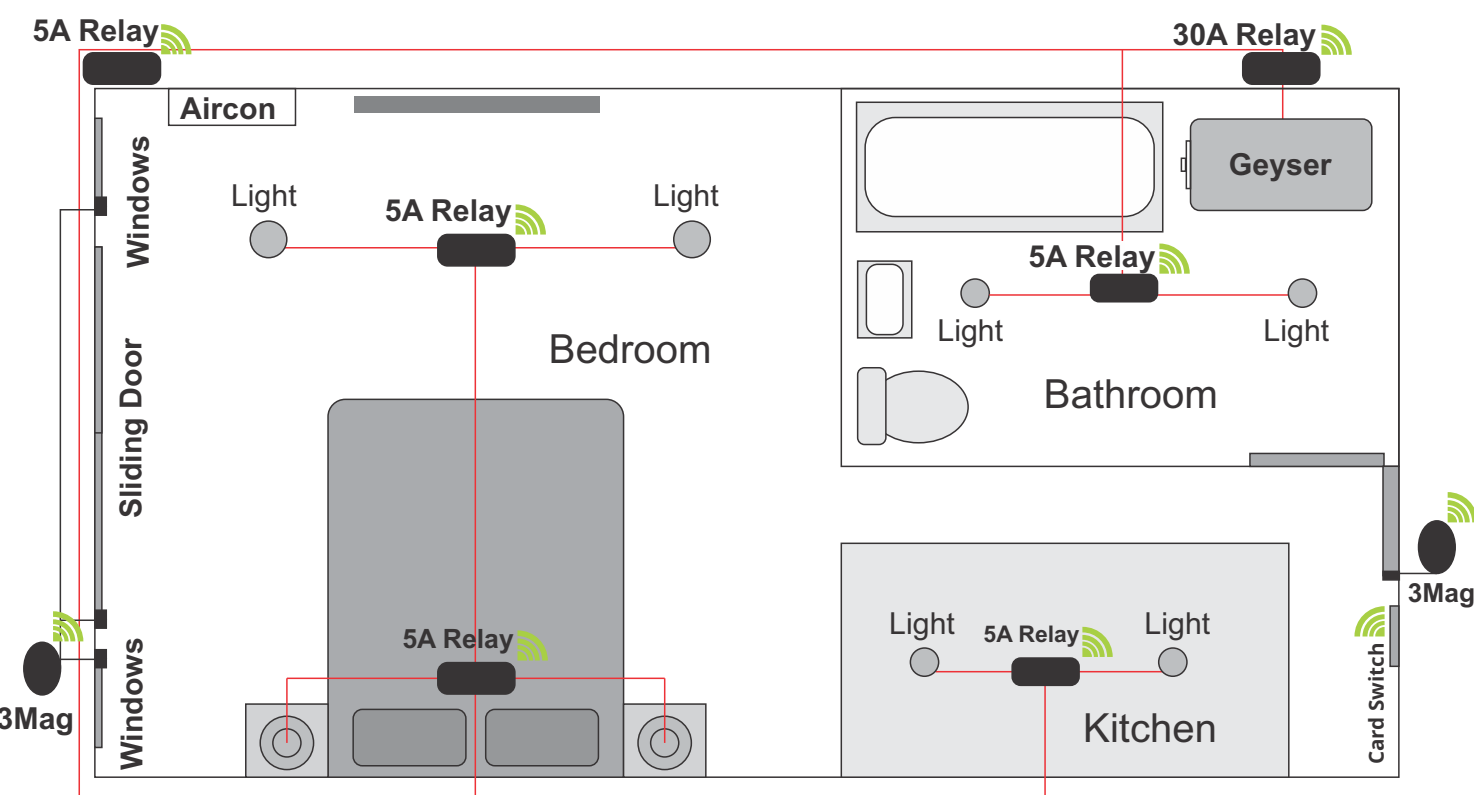


Wireless Card Switch Setup



Wireless Card Switch

The Ecowatt Wireless Card Switch is a unique switch activated by existing hotel key cards. The Wireless Card Switch assists the hospitality industry in considerably reducing energy consumption in unoccupied hotel rooms by switching off lighting and selected electrical circuits.



What you need!



WIRELESS CARD SWITCH

- Card switch battery life ± two years
- No rewiring of hotel rooms required
- Retrofit to existing hotel rooms
- Delay off time on exit



1 CHANNEL RECEIVER 30A

- No rewiring of hotel rooms required
- Retrofit to existing hotel rooms



WIRELESS DOOR SENSAS

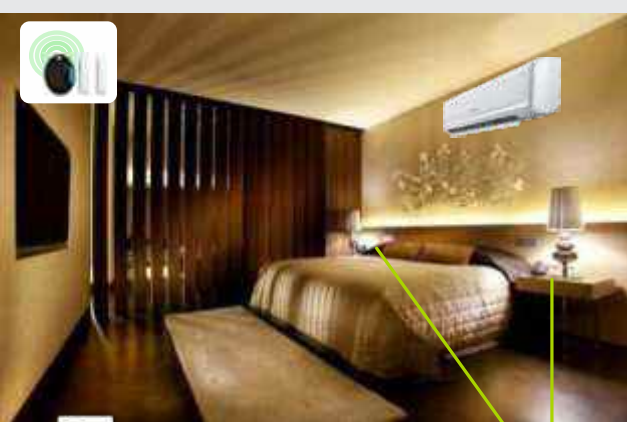
- Wireless Door Sensa battery life ± two years
- No rewiring of hotel rooms required
- 3 input device - 2 x Windows - 1 x Door



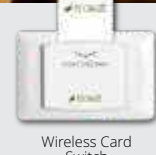
30A RELAY BOXED

- No rewiring of hotel rooms required
- Retrofit to existing hotel rooms

How it works



On arrival, inserting the room's key card into the Wireless Card Switch will instantly reactivate the room's electrical circuits. When the sliding door or the window opens the aircon will switch off and when the door is closed again the aircon will switch back on again. Upon departure, removing the card will deactivate the electrical circuits after a 1 minute delay, allowing relevant lighting to stay on until the room is vacated. This delay can be set according to the hotel's specification.



- Card switch battery life over ± two years
- No rewiring of hotel rooms required
- Retrofit to existing hotel rooms
- Delay time on exit

Benefits

The Wireless Card Switch will eliminate unnecessary energy wastage in unoccupied rooms, eg. lighting, air conditioning and televisions etc. Hotel owners can reduce energy consumption by up to 40 percent. When factoring lower power bills, the hotel, Bed and Breakfasts, Guesthouses can recoup initial capital investment within two years.



Comply with current energy regulations



Eliminate unnecessary energy wastage



Quick installation, no wiring or conduit necessary

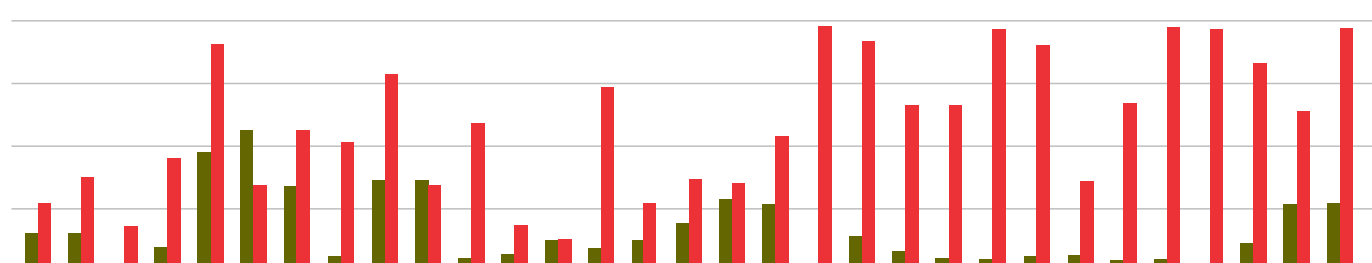
Case Study

The figures and savings shown are based on actual data collected at a hotel, over a period of one month. Data displayed was collected from two rooms, one with a Card Switch System and one without. The rooms had similar occupancy for the period. Costs were calculated at R0.54/kWh.

- Room A with Wireless Card Switch
- Room B with traditional light & fan switches

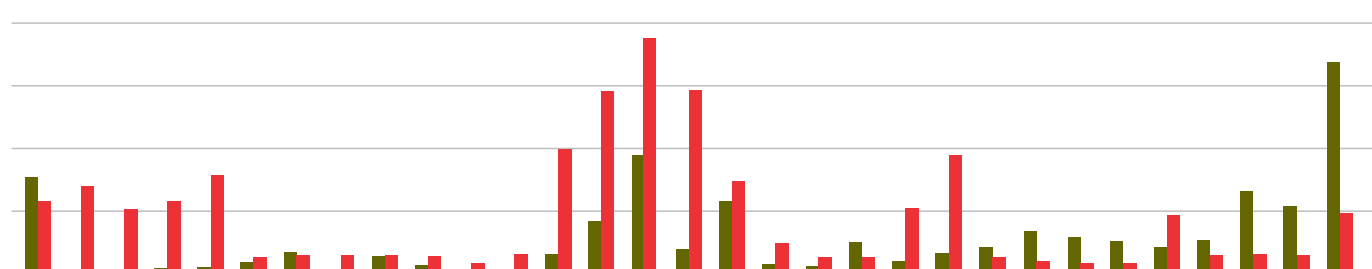
Lights kWh ■ **R31.57** 58.46kWh

■ **R118.45** 219.35kWh



Fan kWh ■ **R67.11** 124.27kWh

■ **R118.88** 220.16kWh



Total room costs and kWh usage are summarised below:

■ Room A **R98.68** 182.73kWh

■ Room B **R237.33** 439.51kWh