

# NATURE SWITCH-ATM-DOUBLE

Save Energy Smartly

By

**Kakatiya Energy Systems Pvt. Ltd.**

**KE ⚡ PL**

**SAVE ENERGY SAVE NATURE**

[www.natureswitch.com](http://www.natureswitch.com)

## Challenges in Electrical switching and energy saving at ATM Centre.

The Electrical loads in ATM room that needs to be switched ON/OFF

1. Air Conditioner
2. Outdoor Signage
3. Indoor Lighting

Challenges involved are

1. Saving the energy consumption of Air Conditioners.
2. Protecting the Air Conditioner from damages due to over voltage
3. Switching ON of the Signage at sunset.
4. Switching OFF of the Signage at sunrise.
5. Indoor lights needs to be kept on when ever needed.
6. The locations are remote and so attendance is costly.
7. Input voltage variations at the field can not be avoided.
8. Seasons change calling for different time settings over the year.
9. Persons with skill and efficiency needs to be deployed at site.

Here is an integrated and all in one solution for signage and AC.....



## ATM Centre Electrical Load

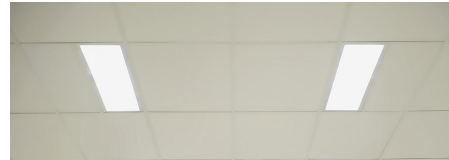
Air Conditioner



Sign Board



Indoor Lighting



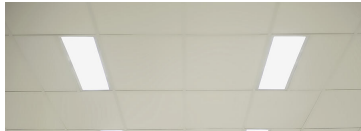
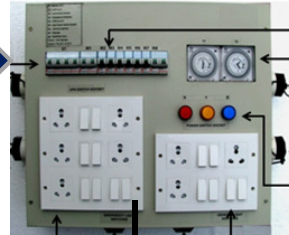
Cash Machine



# General electrical circuit in an ATM centre based on a timer

Raw Power

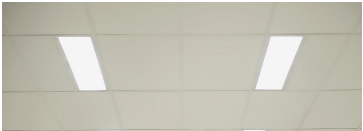
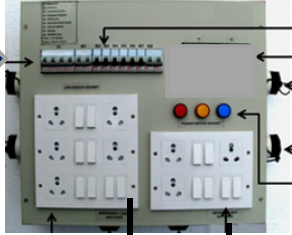
Distribution Box



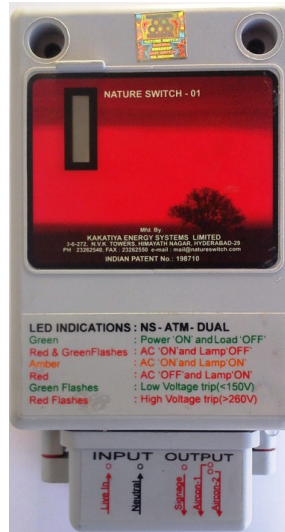
# General electrical circuit in an ATM centre based on NATURE SWITCH

## Raw Power

## Distribution Box



# Control by Nature Switch-ATM-D



Air Conditioner-1



Air Conditioner-2



Sign Board

# The switching ON/OFF cycles for Signage and Dual AC unit

Day Time



Night Time



Signage ON from Sunset to Sunrise

Aircon- 1 ON for 2 Hours	Aircon- 2 ON for 2 Hours	Aircon- 1 ON for 2 Hours	Aircon- 2 ON for 2 Hours	Aircon- 1 ON for 2 Hours	Aircon- 2 ON for 2 Hours	Aircon- 1 ON for 2 Hours	Aircon- 2 ON for 2 Hours	Air conditioners OFF
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6 AM  
Sunrise

6 PM  
Sunset

10 PM  
Sunset+4 Hours

6AM  
Sunrise

ALL REAL TIMES ARE ONLY EXAMPLES

## Auto OVER/LOW Voltage trip and reset:-

Over voltage trip : > 260VAC\*  
Auto over voltage reset : < 250VAC\*  
Low voltage trip : < 150VAC\*  
Auto low voltage reset : > 160VAC\*

\* Subjected to standard tolerance.

## IP 65 Rated device:-

**WATER PROOF**



**DUST PROOF**





## Summary:-

- No more timer, no more setting, no more correction.
- no more power back up
- No more damages due to over voltage.
- No more damages due to lighting, surges, spikes..
- Consequently no stoppage of the operation.
- Fit it and forget it.
- Comes with a warranty.
- Easy installation.....
- Very least skill is required for electrical connection.
- No more settings and so no confusion.
- Saves 100% of AC unit power for 8 hours to 10 hours every day.
- **Pay back period will be less than the warranty period.**





Thank You

