

## SAVE ENERGY with fit and forget ASTRO TIMER



**TOYAMA CONTROLS SYSTEMS P) Ltd.:**  
# 38 (A2), KIADB Industrial Area,  
Hoskote, Bangalore- 562114  
sales@toyamaindia.com  
www.toyamaindia.com  
Ph : +919019422331, +919343596414

**Warranty:**

- The company at its sole discretion, will repair or replace products, if found with any manufacturing defect within a period of 2 years from the date of purchase
- Company reserves the right to change/improve the design of its products without prior notice. Warranty shall be serviced with products prevailing at that point in time
- Company's liability does not extend to cover consequential loss and installation/uninstallation arising out of defective products



Building peripheral lights

## Global Energy Concern

The world is driving towards energy sustainability. Communities and Institutions have to take concrete actions of new world order. Eliminating waste and reducing energy consumption is a key factor in reaching sustainability objectives. Lighting alone on an average accounts for 20% energy consumption all over the world.

## Ideas never rest at Toyama

With over 20 years of experience in the industry, Toyama demonstrates the ability to be innovative and responsive to the ever growing need for energy saving solutions for lighting.

Toyama has launched a simple fit and forget Astro timer to address the energy wastage in unattended lighting areas. The Astro timer switches ON the lights at DUSK and switches OFF the lights at DAWN or as set by the user from 10.30PM to 5.30AM.

After the simple switch like installation, select the geographical location (1200 cities and towns across India) through simple Dip switches. The ON/OFF operations are carried out automatically for 365 days at the dusk and dawn timings of the location eliminating the need for regular reprogramming of the normal timers available in the market.

## Key Features of the system.

- ❖ Simple replacement of existing lighting controls (modular switches or MCBs) with Toyama Astro timer switch.
- ❖ The electrical wiring will continue to be the same without any change or modification.
- ❖ Built in 10A relay for regular loads. Suitable contactors can be wired for higher loads.
- ❖ The geographical location (city/town) can be selected through the dip switch setting on the timer using an accompanied chart of around 1200 locations of India.
- ❖ OFF time can be set at dawn or at intervals of 15min from 10.30PM to 5.30AM.
- ❖ Built in real time clock with battery back up for a minimum five years of life with factory set time.
- ❖ High stability clock chip with low deviation time.



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## Energy Saving Astro Timer for unattended common lighting areas

- Building peripheral lights
- Advertisement hoarding lights
- Commercial signboard lights
- Street lights and more.....



Commercial signboard lights



Street lights



Advertisement hoarding lights

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