

## ASTRO TIMER / SUNSET SWITCH



### DESCRIPTION

Toyama Touch Art switches are intelligent control devices that provides convenient and comfort to the user. Usage of SMD components not only ensures reliability but also makes the product highly compact for its functionality and features. The use of SMPS (Switch Mode Power supply) makes the Touch Art switches operational across countries from North America having 127V supply to European/Asian countries having 230V supply without any field setting. The various functions can be performed from the wall unit or hand held IR remote. Option is available for the switches to operate with home gateway through Wireless Zigbee protocol or wired RS485/232 interface for Automation.

### APPLICATIONS

- Building Peripheral Lights
- Commercial Signboard Lights
- Advertisement Hoarding Lights
- Street Lights and more...

### KEY FEATURES


- 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.

### TECHNICAL DATA:

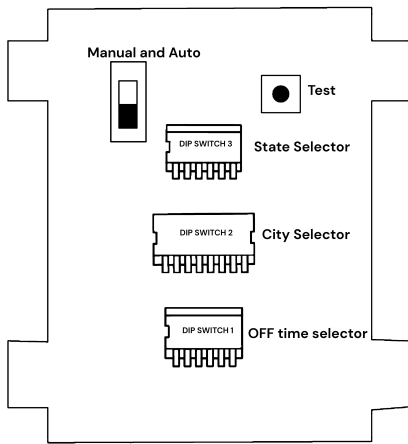
Power Source	: 90–270V/AC
Power Frequency	: 50–60Hz
Current Rating	: 10A
Number of Switching Zones	: 1
Load per Switching zone	: GLS bulbs 1000W / Halogen lamps 300W. Maximum of 10 No's of 7W LED Lights or Maximum of 20 No's of 3W LED Lights or 80W total load per Relay Switch. (For Higher loads, kindly use suitable contactors)
Operating Temperature	: -10 to +55 °C
Standby power Consumption	: <10mW

### CAUTION:

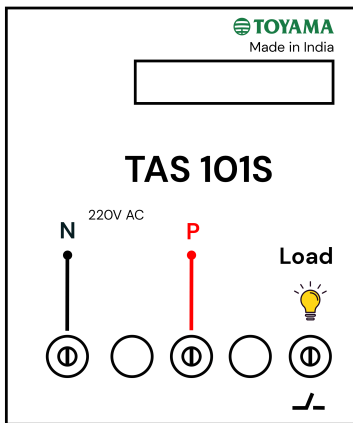
- Proper ELCB ( Earth Leakage Circuit Breaker) are installed as any leakage current can lead to malfunction of the touch panels .
- During design proper consideration is given in selection of Load and Touch panel. Improper selection of loads and panels may result in burning of panels .
- Kindly fix the switches with proper screws, in right metal boxes , without any air gap between the glass panel and the back plate locking . Improper mounting will lead to the touch panel operation malfunction .
- To install the Touch panels after completion of painting. Dust & paint penetration in the panels will lead to the malfunction of touch panels .
- Device can withstand upto 300V continuously without issue. It can withstand upto 350V for upto 1 minute. Will burn if more than 350V is supplied continuously.
- If a direct short is created on the output /load, the device will be damaged and will no longerfunction.

SL NO.	PRODUCT IMAGE	PRODUCT DIMENSIONS	METAL BOX	PRODUCT CODE (X=B-BLACK & W- WHITE)
1		90 X 90 mm	2 Module Metal Box (75x75x50mm)	T18 101AS

## TYPICAL DIAGRAM



## WIRING DIAGRAM



## STANDARD WARRANTY

Toyama offers a standard 2 years limited warranty on all the Touch Art switches.

## ORDER

For order, kindly send an email to [enquiry@toyamaworld.com](mailto:enquiry@toyamaworld.com) with the product codes.

