

## Touch Art Remote Switch 4 Zone Dimmer

ZigBee Wireless

(T13 340 Z)

Technical Manual



### Product Overview:

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. Zigbee Wireless switches to operate with Toyama home gateway through Wireless Zigbee Protocol for Automation.

### Technical Specification:

- Power Source : 90-270V/AC
- Power Frequency : 50-60Hz
- Number of dimming zones : 4
- Load per dimming zone : GLS bulbs 200W  
Halogen lamps 100W  
One Fan
- Remote Operating range : 25 Feet
- Operating Temperature : -10 to +55 °C
- Standby power Consumption : <10mW

### ZigBee:

- Frequency : 2.4GHz
- Protocol : ZigBee HA1.2

- TX strength : +20dBm
- Range : 50 ft Open
- Network : Mesh topology

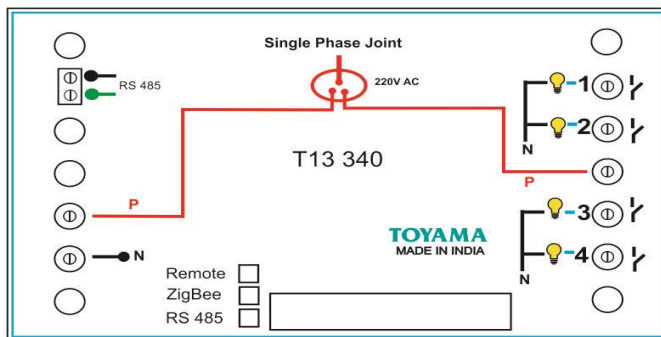
### Operation:

- When switch is OFF, touch the button to ON the light.
- When switch is ON, touch and hold the button for 5 seconds to OFF the light.
- When switch is ON, once again touch the required button and within 5 seconds touch UP or DOWN buttons to increase or decrease the light.

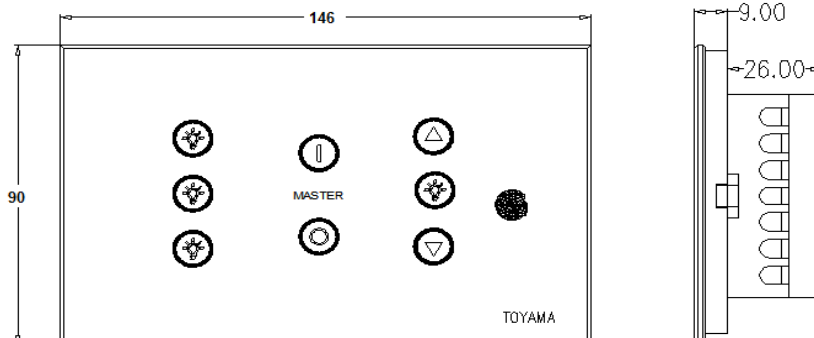
### Key ZigBee Features:

- Built-in power amplifier for exceptional range giving the module superior range and stability in large homes or areas with wireless interference.
- Easy compatibility with other manufacturers' ZigBee Gateway/controller
- LED indicator for live Network
- LED indicators for on/off status.

### Wiring Diagram:



### Dimensions:



**Note: Suitable For**

- Mounting on 4 module metal box (75mmX140mmX50mm)
- Use 1.5 Sq.mm flexible wires for Phase, Neutral & Load connections.

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**Safety Warnings:**

- If the input voltage increases to 440V the device will burn.
- If it is LED or CFL fittings connect one or two only per circuit. Anything more may weld the switch contacts and leave the loads permanently ON
- Each dimmer circuit is for 200Watts resistive load or below 120 Watt fan only.
- Do not connect LED or CFL fixtures to Dimming circuits. The device will be damaged.
- If a direct short is created on the output /load, the device will be damaged and will no longer functions.

**Standard Warranty:**

- Toyama offers a standard 12 months limited warranty on all the Touch Art switches.