

# Product Datasheet

## TOUCH PANELS WITH WELCOME & NIGHT LAMP SCENE- RCU PANELS



## 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. Option is available for the switches to operate with home gateway through Wireless Zigbee protocol or wired RS485/232 interface for Automation.

## TECHNICAL DATA

Power Source : 90-270V/AC

Power Frequency : 50-60Hz

Number of Switching Zones : 1

Rated Load : 15A

Load per switching zone :

- GLS bulbs 1000W
- Halogen lamps 300W Fluorescent lamps 4 fittings
- LED fitting/Strip – 12V/3A to 5A driver - 1 no only
- LED fitting/Strip – 12V/1A to 2A driver - 2 no's only
- Maximum of 10 No's of 7W LED Lights or Maximum of 20 No's of 3W LED Lights or 100W total load per Relay Switch.

Remote Operating range : 25 Feet




Operating Temperature : -10 to +55 °C

Standby power Consumption: <10mW

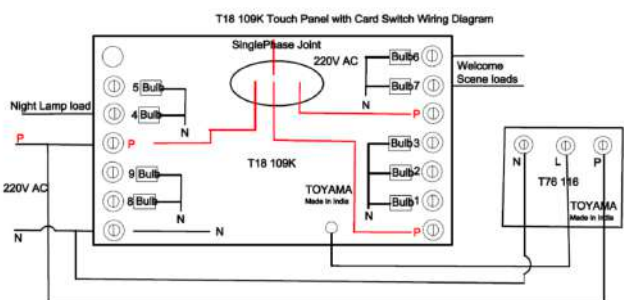
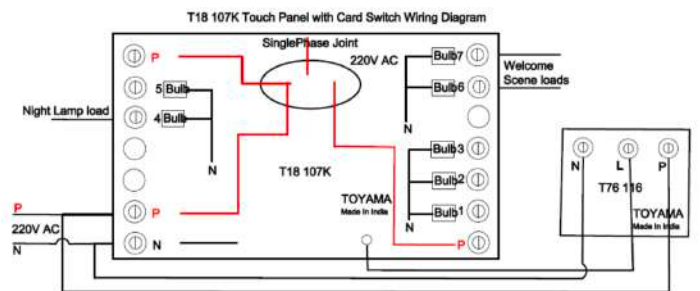
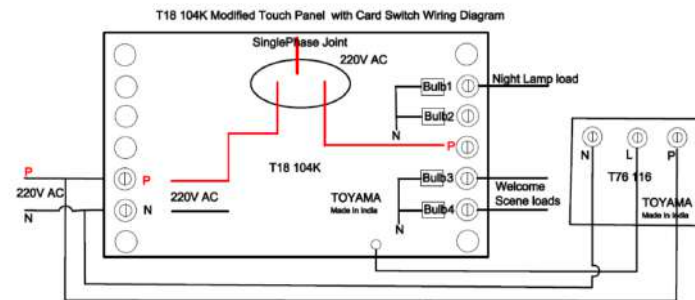
## CAUTION:

- 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.
- The input voltage is 220V 50 Hz.
- 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.
- Each on/off circuit is rated to 10A resistive load only. If the load is greater than the specification the device will be damaged and will no longer function.
- Each On/off Channel Max load on LED Lights is 100W only. For overload kindly use the High Power 20A Relay.
- If a direct short is created on the output /load, the device will be damaged and will no longer function.

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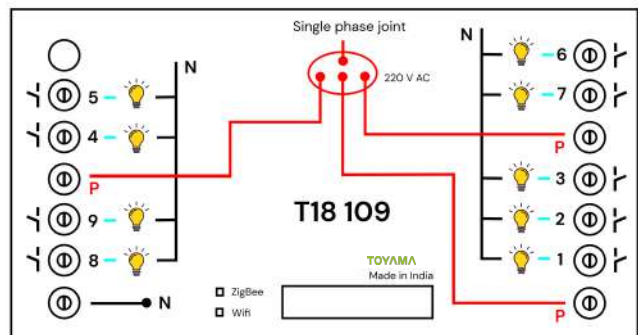
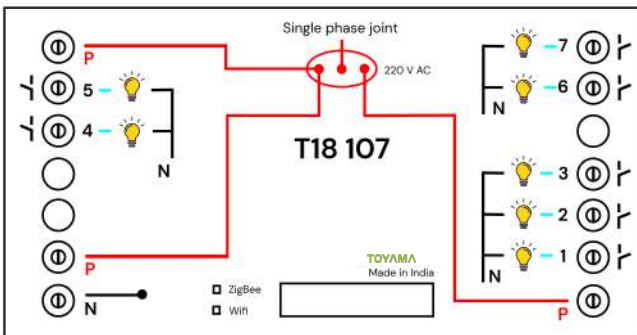
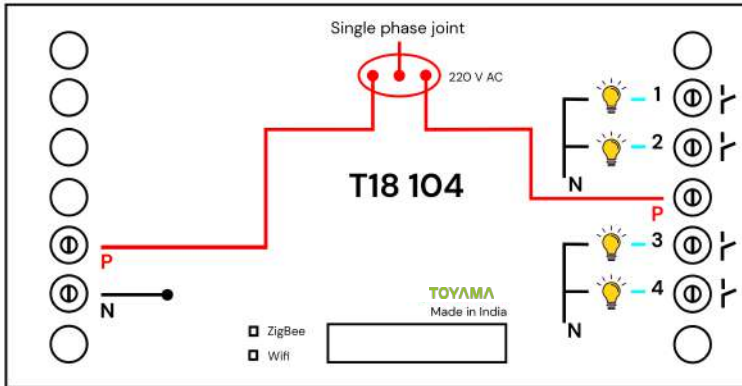
SL NO.	PRODUCT IMAGE	PRODUCT DIMENSIONS	METAL BOX	PRODUCT CODE (X=B-BLACK & W- WHITE)
1		90 X 146 mm	4 Module Metal Box (75x140x50mm)	Touch Panel - T18X 104 K RCU Panel - T18X 104 Z
2		90 X 221 mm	6 Module Metal Box (75x210x50mm)	Touch Panel - T18X 107 K RCU Panel - T18X 107 Z
3		90 X 245 mm	8 Module Metal Box (75x230x50mm)	Touch Panel - T18X 109 K RCU Panel - T18X 109 Z

## T18 104K, 107K & 109K MODIFIED TOUCH PANEL WIRING DIAGRAMS



# Product Datasheet

## T18 104Z, 107Z & 109Z RCU PANEL WIRING DIAGRAMS



## 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.