

## TOUCH PANELS WITH ON/OFF SWITCH



### OVERVIEW

Touch Art switches control multiple channel and network configurations. They are intelligent control devices that provide convenience and comfort to users.. 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 Toyama Touch Art switches operational across countries from North America having 127V supply to European/Asian countries having a 230V supply without any field setting.

Option is available for the switches to operate with a home gateway through Wireless Zigbee protocol or wired RS485/232 interface for Automation. Toyama has a combination of touch panels that are suitable for such networks Standalone(IR), Wi-Fi, Zigbee & RS485. Toyama

PRODUCT TYPES	SUITABLE FOR NETWORK	SUFFIX
TOYAMA TOUCHCHART (IR) SWITCHES	STANDALONE(IR)	-NA-
TOYAMA WI-FI SWITCHES	WI-FI	WI-FI=W
TOYAMA ZIGBEE SWITCHES	ZIGBEE	ZIGBEE=Z
TOYAMA RS485 SWITCHES	RS485	RS485=C


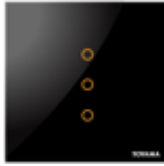
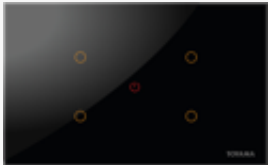



SWITCH TYPES	MODES OF CONTROL			
	MANUAL	IR REMOTE	MOBILE APP	VOICE COMMANDS
IR SWITCH	●	●		
WIFI SWITCH	●	●	●	
ZIGBEE SWITCH	●	●	●	●
RS485 SWITCH	●	●	●	●

### TECHNICAL DATA:

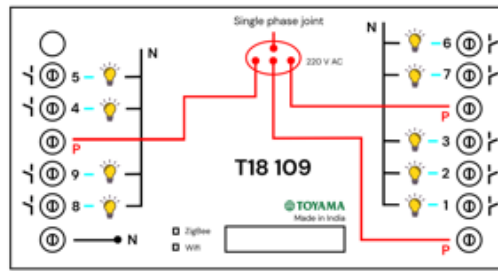
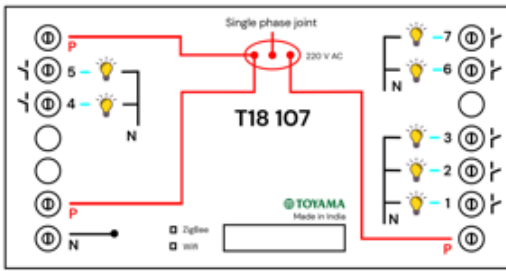
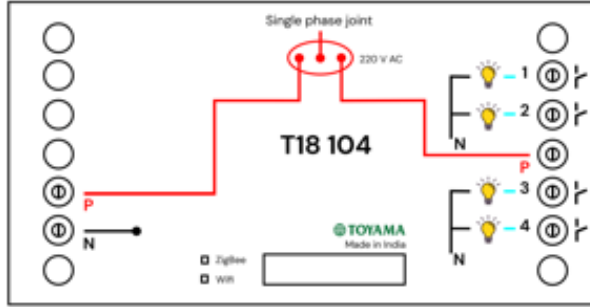
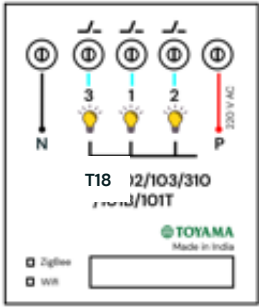
Power Source	: 90–270V/AC
Power Frequency	: 50–60Hz
Load per switching zone	: GLS bulbs 1500W / Halogen lamps 400W / LED Lights 150W (For Higher loads, kindly use the 20A High Power Relays)
Remote Operating range	: 25 Feet
Operating Temperature	: -10 to +55 °C
Standby power Consumption	: <10mW

### CAUTION:

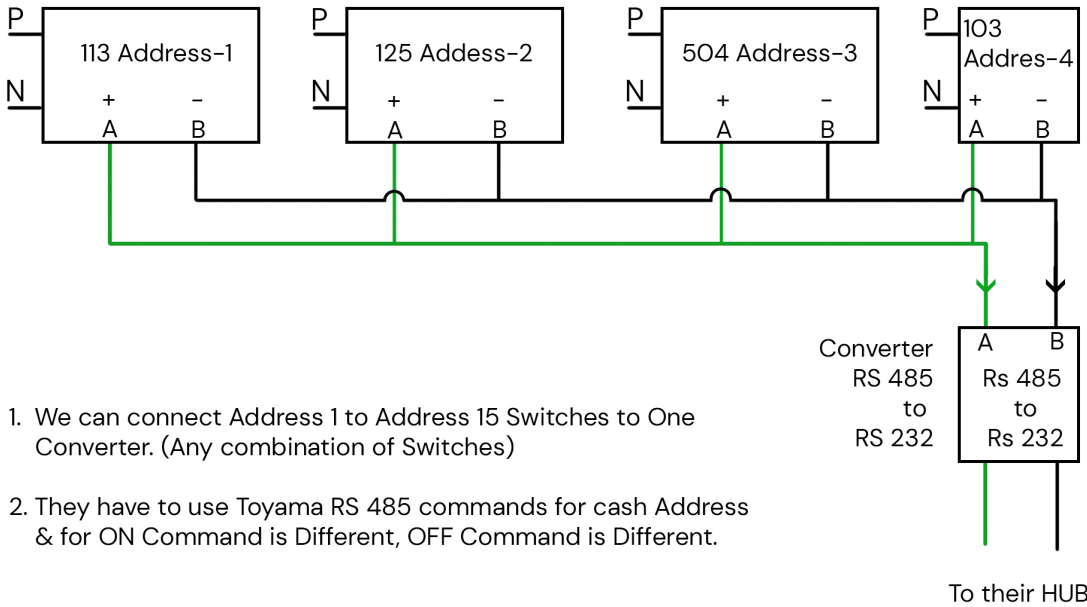
- Proper ELCB ( Earth Leakage Circuit Breaker) are installed as any leakage current can lead to malfunction of the touch panels.
- During design proper consideration is given in selection of Load and Touch panel. Improper selection of loads and panels may result in burning of panels.
- The input voltage 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 15A 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 150W 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.

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)	IR - T18X 102
				Wi-Fi - T18X 102 F
				Zigbee - T18X 102 Z
				RS 485 - T18X 102 C
2		90 X 90 mm	2 Module Metal Box (75x75x50mm)	IR - T18X 103
				Wi-Fi - T18X 103 F
				Zigbee - T18X 103 Z
				RS 485 - T18X 103 C
3		90 X 146 mm	4 Module Metal Box (75x140x50mm)	IR - T18X 104
				Wi-Fi - T18X 104 F
				ZIGBEE - T18X 104 Z
				RS 485 - T18X104 C
4		90 X 221 mm	6 Module Metal Box (75x210x50mm)	IR - T18X 107
				Wi-Fi - T18X 107 F
				Zigbee - T18X 107 Z
				RS 485 - T18X 107 C
5		90 X 245 mm	8 Module Metal Box (75x230x50mm)	IR - T18X 109
				Wi-Fi - T18X 109 F
				ZIGBEE - T18X 109 Z
				RS 485 - T18X109 C
6		155 X 221 mm	12 Module Metal Box (135x210x50mm)	IR - TH18X 107
				Wi-Fi - TH18X 107 F
				Zigbee - T18 107 Z
				RS 485 - TH18X 107 C

## WIRING DIAGRAMS



## TOYAMA RS 485 SWITCHES



## 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.