

CONNECTED
switch gear®
We will turn you on®

i-TOUCH®

Series

Home Automation

TRUSTED
★
★ 10 ★
★ YEAR ★
WARRANTY
IN HOUSE

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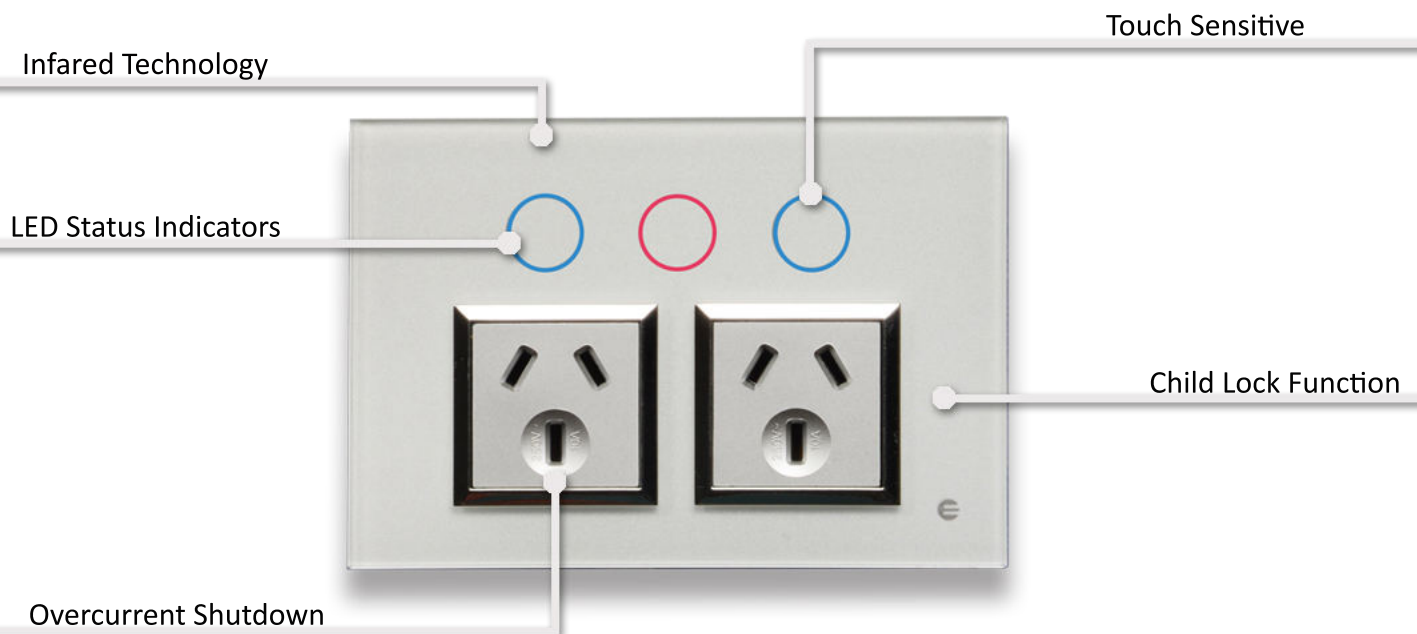
The Connected Switchgear I-TOUCH® Series is a collection of touch controlled switch panels for residential and commercial use. The range includes general purpose socket outlets, wall switches and smart dimmers in a variety of configurations. Each product includes an extensive feature set including the option of controlling a remote relay of 30amp and the remote control of a button in another panel via a wired interface.

Although the products can be used standalone, in order to extract the full features and benefits, wireless group control functionality has been incorporated into its design that allows button groups of up to 16 circuits to be controlled using a single button in up to 33 panels. When installing the products in conjunction with the I-TOUCH® Series gateway interface, up to 128 panels can be controlled by any smart device and anywhere around the world with an internet connection.

Smart dimmers can be used to control a wide variety of loads including capacitive and inductive loads by using auto load detection circuitry.

Features

- LED Status Indicators
- Button Touch Response
- Child Lock Function
- Circuit Lock Mode
- 2 Way Switching
- Overtemperature Protection
- Local Network Installation
- Smart Dimmer Panels
- Circuit Mode
- Timers
- Short Touch Mode
- Overcurrent Protection
- Non Volatile Memory



Approvals

Complies with IEC60669.1.2
AS/NZ3112

Technical Parameters

- Rated Voltage: 240V ac 10amp
- Rated Frequency 50Hz / 60Hz

Key features across the range include:

LED Status Indicators

- Using tri coloured LED's to provide a vast array of colours to indicate panel, circuit and button status
- LED indicator brightness automatically adjusts the brightness of the LED status indicators in relation to the ambient light level of a room. This ensures that the LED status indicators are always visible in brightly lit areas and not too bright in dark areas
- LED status indicators can be set to a variety of functions, ON and OFF indications can remain active indefinitely or be configured to switch off after 30 seconds

Smart Dimmer Panels

- Utilizing auto detect technology to control either the brightness of a wide variety of lighting loads, both incandescent and LED or control the speed of a fan (or other motor within the products current rating) by deploying the appropriate circuitry
- Users have the choice of one of two types of load dimming circuitry:
 - a. *Limited*
When selected, the dimming cycle stops once the minimum or maximum limit is reached
 - b. *Bounce*
When selected, the dimming cycle reverses once the minimum or maximum limit is reached
- Users are able to independently set the minimum and maximum dim level of each *circuit*
- The installer is able to configure the minimum and maximum load level. This is necessary as a result of the individual efficiency of a wide variety of lighting loads to prevent flickering at dimmed levels
- Smart dimmer user presets are stored in a non-volatile memory so that when next switched, a *circuit* is re stored to the last dimmed preset

Button Touch Response

- Each button is configured by default to operate its own circuit within the panel and can also be independently configured to switch an arbitrary group of up to 16 circuits within radio range. These circuits can be in the same panel as the button programmed or, by using built in wireless communication, can be in another panel within radio range
- Each button has two functions - a *single short touch* or a *double short touch* to perform a variety of commands such as activate a *local circuit* within the panel, activate a group of circuits in any *button group*, issue a *global command* function such as HOME, AWAY, GOOD NIGHT and GOOD MORNING operation.

Circuit Mode

- Each button circuit can be independently configured to:
 - a. *Normal Mode* - manually control a circuit either ON or OFF or dim if a product is a smart dimmer model
 - b. *Timer Off Mode* - after activating, automatically turn off a circuit at a predefined 15 min, 30 min, 60 min or a user configurable interval time setting
 - c. *Ambient On/Timer Off* - When activated, it will turn ON its associated circuit if the ambient light level detected by the panel falls below a user configurable limit, then turn OFF after a specified interval or user configurable interval
 - d. *Ambient On/Off Mode* - When activated, it will turn ON its associated circuit if the ambient light level falls below a user configurable limit and turn back off if the light level returns above the limit. Using *Ambient ON/OFF Sense*, the operation can be set to switch the reverse setting

Child Lock Function

- Each button has a 4 level independent Child Lock setting to protect against nuisance operation of the panels and for safety reasons. *All Functions Disabled* (Locked), *Normal* (Basic Operations), *All Functions Enabled* (All operations), *Do Not Disturb* (Locked at daily preset times only). Once *All Functions Enabled* mode is selected, the button will revert back to *Normal* Child Lock Mode after a period of 15 minutes of inactivity.

Timers

- Each circuit within a panel has 3 different timers:
 - a. *Inbuilt Timers* - Users can program 4 ON times and 4 OFF times for each *circuit* daily
 - b. *Do Not Disturb* - When a *Do Not Disturb* timer is set AND the child lock setting is set to *Do Not Disturb* mode, the button locks to prevent unauthorized use of the button and associated circuits during the timer period
 - c. *Time Of Day Timers* - When the panels are installed as part of a local network installation using a mobile device and gateway interface up to 7 *Time Of Day* timers can be set to automatically operate the circuits within the network. This is beneficial in instances when users are away on holidays and wish to automatically turn various loads ON or OFF to make it appear as though someone is home.

Circuit Lock Mode

- Individual circuits can be locked ON or OFF when a circuit is dedicated to a “Mission Critical” load (this is independent of child lock settings). This prevents inadvertent operation of the circuit resulting in risk to the user

Short Touch Mode

- Each button has two touch sequences, *Single Short Touch* and *Double Short Touch*. A *Single Short Touch* can be configured to perform a number of operations, in which case the *Double Short Touch* will perform the opposite of operations:
 - a. *Local Circuit Mode* - Selecting *Local Circuit* mode programs the *Single Short Touch* to operate the associated circuit within the panel (local circuit), in which case a *Double Short Touch* will then operate a *Button Group* command
 - b. *Group Mode* - Selecting *Group* mode programs the *Single Short Touch* to operate a *Button Group* command (when configured) within radio range, in which case a *Double Short Touch* will then operate the associated circuit within the panel (local circuit)
 - c. *Home Mode* - Selecting *Home* mode programs the *Single Short Touch* to operate a *Global Command* to all circuits within radio range, in which case a *Double Short Touch* will then issue an *Away Global Command* to all circuits within radio range. The individual circuits response will depend on the configured response of the circuit to this command
 - d. *Away Mode* - Selecting *Away* mode programs the *Single Short Touch* to operate a *Global Command* to all circuits within radio range, in which case a *Double Short Touch* will then issue a *Home Global Command* to all circuits within radio range. The individual circuits response will depend on the configured response of the circuit to this command
 - e. *Goodnight Mode* - Selecting *Goodnight* mode programs *Single Short Touch* to operate a *Global Command* to all circuits within radio range, in which case a *Double Short Touch* will then issue a *Goodmorning Global Command* to all circuits within radio range. The individual circuits response will depend on the configured response of the circuit to this command

- f. **Goodmorning Mode** - Selecting *Goodmorning* mode programs the *Single Short Touch* to operate a *Global Command* to all circuits within radio range, in which case a *Double Short Touch* will then issue a *Goodnight Global Command* to all circuits within radio range. The individual circuits response will depend on the configured response of the circuit to this command

In each of the above options for *Home*, *Away*, *Goodnight* and *Good Morning*, each *circuit* within a panel can be configured to either *activate*, *inhibit*, or *ignore* the circuit upon receiving a global command.

2 Way Switching

- Where installed by hard wiring, a button in one panel can be configured to be a remote control duplicate for a button in another panel. This is useful in areas where 2 way switching is required such as stairwells and hallways (in the event that radio communication is not utilized)

Overcurrent Protection

- All panels within the series have built-in circuit protection. If the panel detects that the current passing through a panels' circuit exceeds a safe level, it will automatically shut the circuit down and issue an alert via the LED status indicators.

Overtemperature Protection

- All panels within the series have built-in panel protection. If the panel detects that the temperature of the panel exceeds a safe level, it will automatically shut the circuit down within the panel and issue an alert via the LED status indicators.

Non-Volatile Memory

- All user configurations are stored in non-volatile memory to ensure settings are not lost in case of power outage

Other Configurable Settings

- Touch panel responsiveness, LED brightness settings and dimming limits for different loads can all be configured by the installer to enable the system to be adapted to individual installations
- An installer interface using IR technology allows an installer to perform detailed product configuration and firmware upgrades without having to remove the product from the wall surface

Local Network Installation

- The touch panels can be operated as a standalone wireless system or as a network over Wifi using a smart device and gateway

The exact range of features available to an end user depends on how the installer configures the product.



T-LS055RF
5 Way Wall Switch



T-POD10XRF
2 Gang Power Outlet
+ 1 Button

I-TOUCH® Product Range

Product Code	No. Of Gangs	Per Circuit Current Rating
Socket Outlets		
T-POS10RF	1 Gang Power Outlet	10A
T-POS10XRF	1 Gang Power Outlet + 1 Button	10A
T-POD10RF	2 Gang Power Outlet	10A
T-POD10XRF	2 Gang Power Outlet + 1 Button	10A
Smart Dimmers		
T-LS021DMRF	1 Channel Dimmer	2A/Per Channel
T-LS022DMRF	2 Channel Dimmer	2A/Per Channel
T-LS023DMRF	3 Channel Dimmer	2A/Per Channel
Wall Switches		
T-LS101RF	1 Way Wall Switch	10A
T-LS102RF	2 Way Wall Switch	10A
T-LS103RF	3 Way Wall Switch	10A
T-LS104RF	4 Way Wall Switch	10A
T-LS055RF	5 Way Wall Switch	5A
T-LS056RF	6 Way Wall Switch	5A
Grid Plates		
T-PB	Blank Grid Plate	10A
T-PB1	1 Way Grid Plate	10A
T-PB2	2 Way Grid Plate	10A
T-PB3	3 Way Grid Plate	10A
T-PB4	4 Way Grid Plate	10A
T-PB5	5 Way Grid Plate	10A
T-PB6	6 Way Grid Plate	10A
Accessories		
T-R30	Remote Relay	30A
T-GW012_RF	Gateway Interface	-



All I-TOUCH Products are covered by a Trusted 10 Year In House Warranty. For full installation instructions, please view the full Technical Manual available upon request.

IMPORTANT

To prevent product failure, ensure that the total combined inrush current of the loads does not exceed the rated current of the product.

A surge arrestor MUST be wired in the electrical installation before the i-TOUCH product is installed. Failure to do so will void the product warranty.