

The logo for TIS, consisting of the letters 'TIS' in a bold, red, sans-serif font.

Automation Made Easy  
2015 Product Catalogue



**TIS**

Automation Made Easy

**FEW IDEAS  
MAKE THE CHANGE**

**2015**

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# About us

## Texas Intelligent System

The vast experiences and ideas of our TIS shareholders and engineers have been able to assist TIS in its stellar performance and exposure in the market place. Our products have been designed and improved to meet the demands of our clients,

Our San Antonio logistic office source and implement the best technology of US suppliers, contracting with the best to give the best results.

Why Texas Instrument Technology is our choice?

Because it help in changing the world, one chip at a time across every industry helps to make the world smarter, safer, greener, healthier and more fun, we use Texas instruments in all our products to guarantee the best always for you.

## TIS Technology Australia

TIS Australia marketing and R & D team play an important role to enhance TIS Technology for latest lighting control designs and Technology.

TIS Australia is in touch with electrical contracting companies whose experience in the residential and commercial building automation field that made a direct connection between clients demands and R&D team speeding up the development time.

The company director has had experience in the industrial automation field, he has simple philosophy which is to "resolve our clients complex requirements with simple solutions".

## TIS Technology China, Honk Kong

After 10 years of Automation experience, TIS vice president re-invented the vision of TIS. His vision was to design smart solutions to be affordable and accessible to all, with a solution to suit all our clients' requirements, be it residential or commercial.

In April 2012 TIS smart Home was established in Hong Kong with a professional R & D Department to create a new era of smart Home products that can be installed in every home, "Small Ideas Make the Change" was the vision of TIS CEO, "every small idea can be valuable" TIS CEO added.

"This is just the beginning, we want to make it more affordable for all countries, beside the luxury products of TIS we even should target small project worldwide with our DIY and Wireless product range" TIS CEO said .

## TIS Middle East

TIS established its Middle East office in UAE, Dubai to target demanding market of development economies of Arabic and Middle East counties, with professional support team and training centers.

Because of the ease of installation and programming of the TIS system,our overseas parters and clients have told us this was an important factor in providing confidence in the TIS brand.



## Why Small Ideas make the change

The challenge for TIS was to offer an accessible cost effective building automation experience, without compromising style, elegance and quality.

TIS Technology's development philosophy is based on Ideas , Style and Excitement . It is this philosophy which defines who we are. We listen to your needs and are sensitive to the world's changing requirements to the way we live.

If it's a holistic automation solution you require for your environment, TIS are ready to meet the demands of today's challenges with you.

Imagine being able to control your environment, by controlling your room temperature, To maintain your comfort level, adjust lighting to suit the mood of the moment and ensure you are safe and secure in your home or office while you enjoy your surroundings or, create an efficient work environment by producing a positive work space for yourself and co-workers, using the TIS approach.

TIS Technology are able to offer the solution for these requirements effectively whilst maintaining quality and performance without the top tier price tag. And because of our holistic approach to the automation environment these solutions are offered efficiently and effectively.

The cornerstone of our design philosophy is to create modular products which evolve with your requirements, by following this philosophy we offer you cutting edge style whose technology is unequalled by others which far exceeds the cost.



The TIS interface panels are intuitive and learn enabled which makes programming of lighting channels and scenes simple and efficient. The TIS smart programming system allows programming without the requirement of a pc and the need to learn a complex programming system.

Lighting, Climate and Audio control is made simple by the smart programming feature. And if it is complex solutions you require our interface panels are more than capable of meeting those challenges also.

Our Interface panels, socket and switches include.

**TERRE**  
SERIES

**LUNA**  
SERIES

**MARS**  
SERIES

**Combo**  
SERIES

# TERRE

SERIES





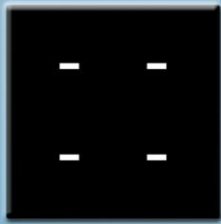
# TERRE

SERIES

Terre Series Include wall panels and sockets, available with glass, Plastic, wood,leather, stone or metal finishes, Available as a 4 Button touch panel interface,thermostat touch panel, Music touch panel, Hotel Service touch Panel, 1 gang switch, 2 gang switch, Bell switch, and with many sockets include, EU Power, Universal Power, USB Charger, Speaker connector, Telephone, TV Male/Female, Data, LED indicator and blank plate socket. Terre panel is designed to fit in (UK, and Europe box size standard).



All fascia available in 1,2,3 and 4 gangs  
For Vertical or horizontal installation



Terre 4 Gang touch panel

Simple 4 touch button with backlit to control your room lights curtain and moods.



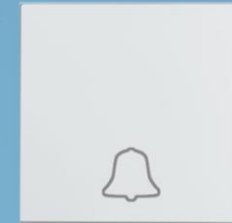
Telephone socket

RJ11 One gang Telephone socket unit



Universal Power socket

10A \* 250V One gang universal power socket



Bell switch

10A \* 250V one gang one way push single pole switch unite



Terre Air condition control Panel

Control your room temperature by touch buttons, by controlling your fan speed, floor heater or Split Air condition, will also display reminders and alerts via the high resolution OLED 1" screen.



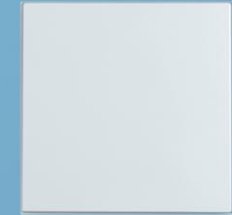
Data socket

RJ45 One gang Data socket unit



German Power Socket

16A \* 250V One Gang German socket



One Gang Switch

10A \* 250V one gang one way switch



Terre Music Control Panel

Display your music track and control your TIS Audio player from the user friendly Terre interface panel. will also display reminders and alerts via the high resolution OLED 1" screen.



USB socket

USB charging socket



TV socket

Female TV socket  
Male TV socket



Two Gang switch

Each 10A \* 250V one way switch



Terre Hotel service buttons

It consist of 4 touch button (indoor) and 4 inductor light (outdoor) to indicate the service (do not disturb, Make up, Laundry, Mini bar) request.



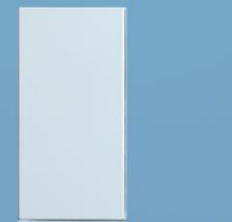
Indicator socket

LED indicator unit



Speaker Stereo socket

Left and right speaker connection socket



Blank plate

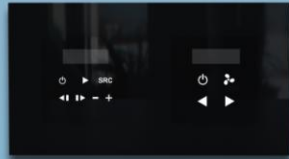
For covering any provision





### Glass Finishes

available in white and black

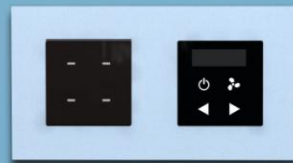


### Stone four different Finishes



### Aluminum Finishes

available in silver and golden



### Wood Three different Finishes



### Plastic Finishes

available in white and black



### Leather Three different Finishes



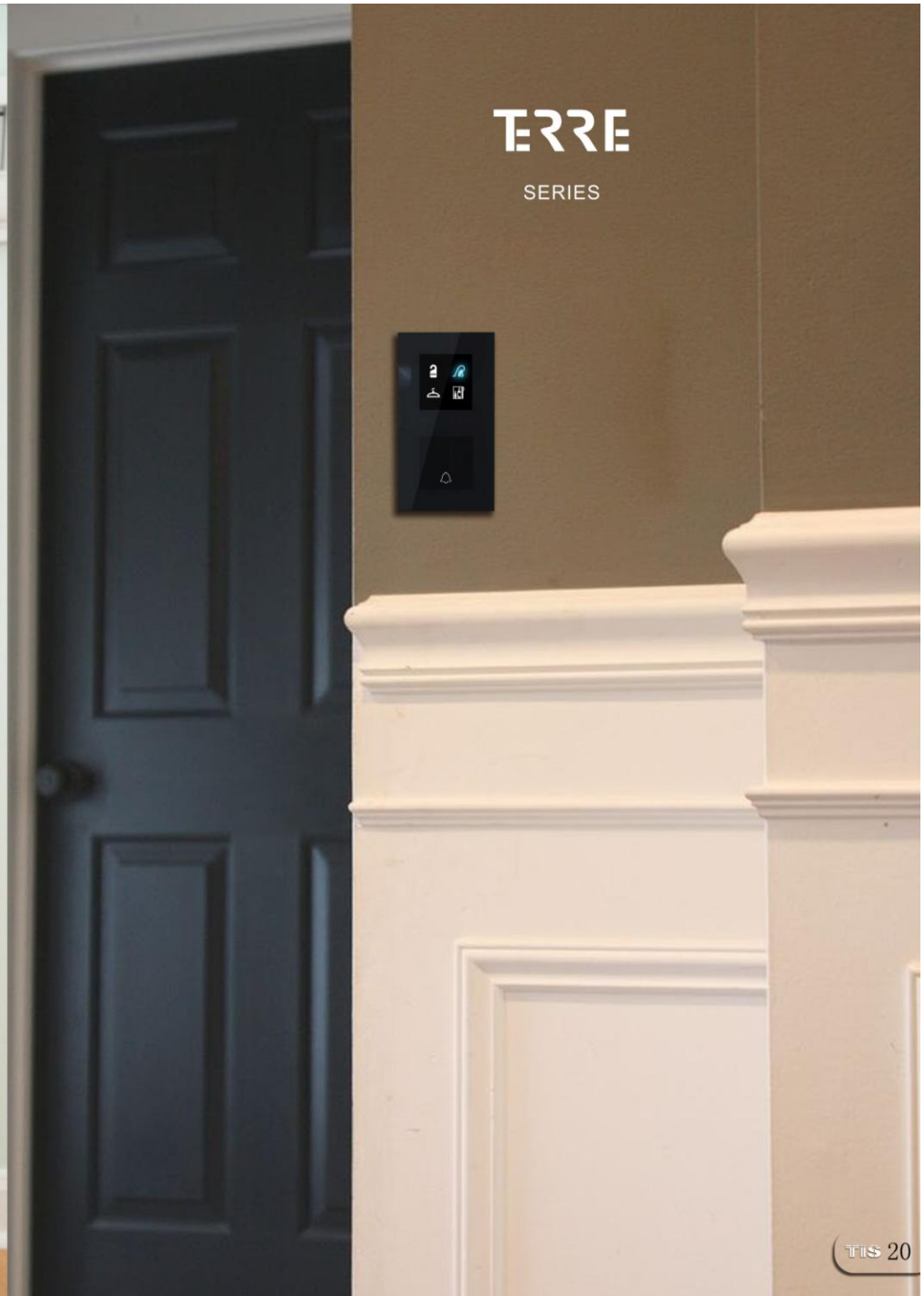
# TERRE

SERIES

## Terre Hotel

Terre series is an ideal, simple and elegant hotel interface, with the modular mechanism of all Terre sockets and switches you can make any combination in 1,2,3,4 gangs to fit your hotel room designs and guest comfort and needs.





LUNA  
SERIES



Luna Panel series which is available in 5 product ranges and available in Black or White, Available as a 9 Button touch panel interface, Bedside panel with climate control thermostat, Hotel Card Switch with Service touch buttons, Outdoor Hotel Bell Panel, or the top of the executive Luna TFT with audio, climate and customisable Multipage interface with access control features. This series is available in two colours, Black or White as well as any customised colour that can suit any style. Our Luna interfaces are coupled with our range of panel additions which connect it to the TIS Bus network. The panel additions add extra features to our already feature laden Luna panels. Luna series designed to fit in any back box (Australia, UK, Europe and US standard).

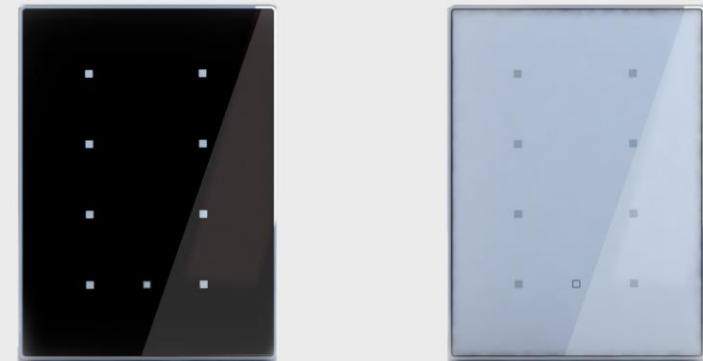
# LUNA

SERIES



Luna TFT LCD Panel

Panel with 4.3" touch screen and LCD, Temperature sensor, offers a stylish and sophisticated interface for managing lighting, music, climate, motors, security, moods and other third party devices, will also display reminders and alerts via the high resolution screen.



Luna 9G

Panel with 4.3" touch screen and 9 buttons offers a stylish interface for managing lighting, motors, moods and other third party devices.



LUNA  
SERIES  
Hotels

# LUNA

SERIES

## Hotels

Luna series offer more panels for hotel use, making your guest feel the high tech in their room, and making the hotel management easier for guest safety and comfort.



Luna bed side

Panel with 4.3" touch screen and 12 buttons, Temperature sensor, and 1" OLED screen, offers a stylish interface for managing climate, lighting, moods in simple way for any guest.



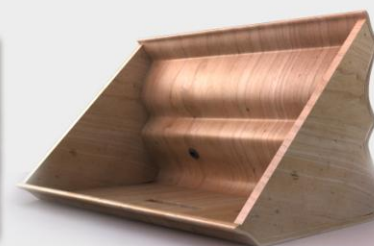
Hotel Outdoor Bell

Touch bell button, with 3 service indicators (DND, Make up room, Laundry) with room number indication.



Hotel Card / services button

Card Switch with Mifare-1 or Temic Card type with extra 3 buttons for hotel service such as "DND, Make up room, Laundry", also can be designed to be for lighting control buttons.



Bedside panel base

Tabletop wooden elegant design for hotel bedside panel, bringing the control to nearest point to guest bed.

A smiling woman with short, curly brown hair is the central focus of the image. She is wearing a black, short-sleeved top. The background is a kitchen with wooden cabinets and a window. On the wall to the left, there is a white MARS panel with several buttons. The overall lighting is warm and natural, suggesting a bright day.

**MARS**  
SERIES

MARS Panel Series which are available in 4 product ranges and 7 different colour ranges to suit your colour scheme. This includes the executive line which has audio, climate and lighting control capabilities all in one panel, Our Mars interfaces are coupled with our range of panel additions which connect it to the TIS Bus network, MARS panel is designed to fit in any back box (Australia, UK, Europe and US standard). A panel addition is required to connect the panel to the TIS Bus network.





**Mars Panel 10 Gang with Thermostat  
MRS-AC10G**

With 10+2 buttons and 1" OLED high resolution screen, built in temperature sensor, offers a stylish interface for managing lighting, climate, motors, moods and music, will also display reminders



**Mars Panel 12 Gangs  
MRS-12G**



**Mars Panel 8 Gangs  
MRS-8G**



**Mars Panel 4 Gangs  
MRS-4G**

With 12,8 or 4 Button, 2 colour LED for each button, this panel has built in IR receiving functionality which can receive signals from the TIS-MRC handheld remote control managing lighting, motors, moods..



Available in Jet Black, Seashell White, Antique Bronze, Champagne, Natural Coal, Titanium, Pale Silver and Customized colour



# Combo

SERIES

conventional switches with push button latching mechanism available as 1,2, and 3 gang, available in black, white or champagne colour scheme.



## TIS IR Remote control

TIS-MRC is a hand held 34 Button remote control, it can be programmed to control the entire TIS system. From audio, lighting, climate control including security and curtain control, has an elegant and simple design which is available in two colours (Black or Grey)



### IOS application

TIS offer free application for your ipad and iphone to control all TIS products, making your home lighting, climate, security management simple under your control .

Many other developers application also available with different interface and graphicals, you can contact us for more information about all our compatible applications .



### Android Application

Our android app suits any android enabled device, a DIY simple application to control all your home lighting, climate, security, curtain and others.

Many other developing applications are also available with different interfaces and graphics, you can contact us for more information about all our compatible applications.

## Intercom, Doorphone system

TIS is changing concept of living from simple function intercom system to new full smart home control in one indoor screen panel, TIS plans to provide more advanced value of life and safety with smart home total solution combining Contents, Saving energy, security and health care



Outdoor Villa Doorphone unit  
TIP-DPH-SV1

Single dwelling external intercom unit with one bellbutton, can call one or more indoor units, came with ID card reader for door opening, Camera, night vision, recording picture and voice function.

Outdoor Tower Doorphone unit  
TIP-DPH-OBL7

Apartment external intercom unit with 7" TFT screen and many coding buttons, can call unlimited number of units by entering and confirming the unite number, came with ID card reader for door opening, Camera, night vision, recording picture and voice function.



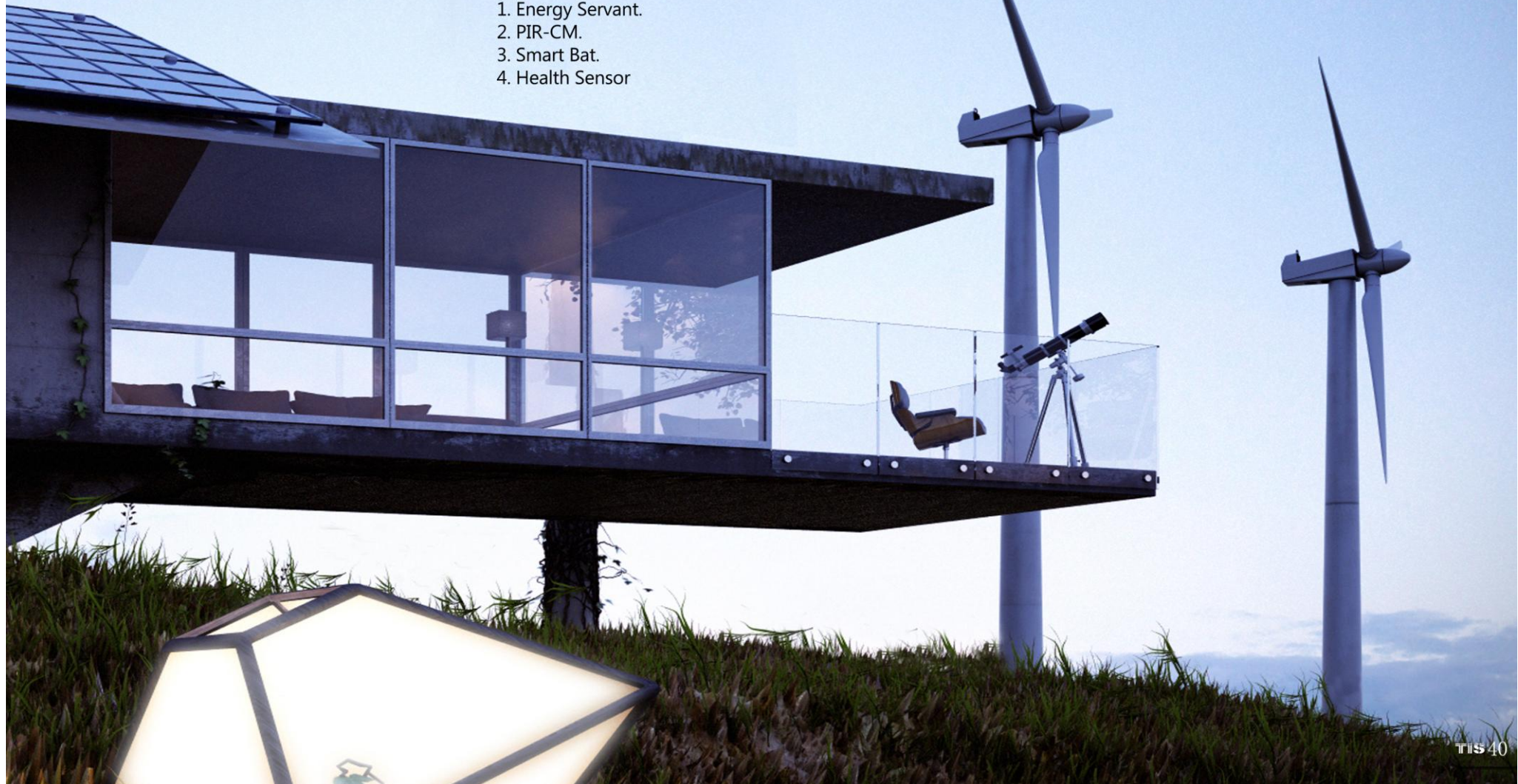
Indoor 7" touch screen unit  
TIP-DPH-INT7

Elegant small wall mounted 7" touch screen, with built in MIC, speakers, camera, and TF card slot, the unit can control your home automation with 12 simple programmed modes, can unlock door, view four IP based cameras, calling other units and management centre, sending maintenance report and get important alerts.

## Saving Energy

Our main goal is energy management which means savings for you. We believe by designing energy efficient installations by setting a target of 60% reduction in energy usage per project this will assist in reducing the world's energy emissions. Our range of smart energy management sensors adapt to your lifestyle and provide maximum energy saving without having an effect on your lifestyle. Our range of smart energy management sensors and meter include the

1. Energy Servant.
2. PIR-CM.
3. Smart Bat.
4. Health Sensor





#### Health sensor

The TIS HS-5F-CM is a ceiling mount PIR motion detector with Air quality , humidity, temperature sensor, it has 32 Logic lines available which allows is integration and a complete health solution . Its logic capabilities allows the user to set conditions and monitoring of doors, windows and other sensors, which will control climate and ensure efficient use of systems when required.

#### TIS Energy Servant 10 Functions



The TIS ES-10F-CM is a ceiling mount PIR motion detector which incorporates lux level sensor as well as IR Send and Receive functionality , it has 32 Logic lines available which allows is integration and a complete home automation solution in an easy and affordable sensor package. Its logic capabilities allows the user to set conditions and monitoring of room temperature, doors and windows which will control climate control systems and lighting to ensure efficient use of systems when required.



TIS Bus PIR Motion Sensor

The PIR-CM is our economical range of motion detection which is suitable for areas which only require motion detection without the logic interface.



SMART BAT, ULTRASONIC MOTION DETECTOR

The TIS BAT-CM ultrasonic and occupancy sensor is great for larger areas requiring motion and occupancy detection. The sensor is used in conjunction with the TIS dry input interface device, supplied by an external 24VDC power source.

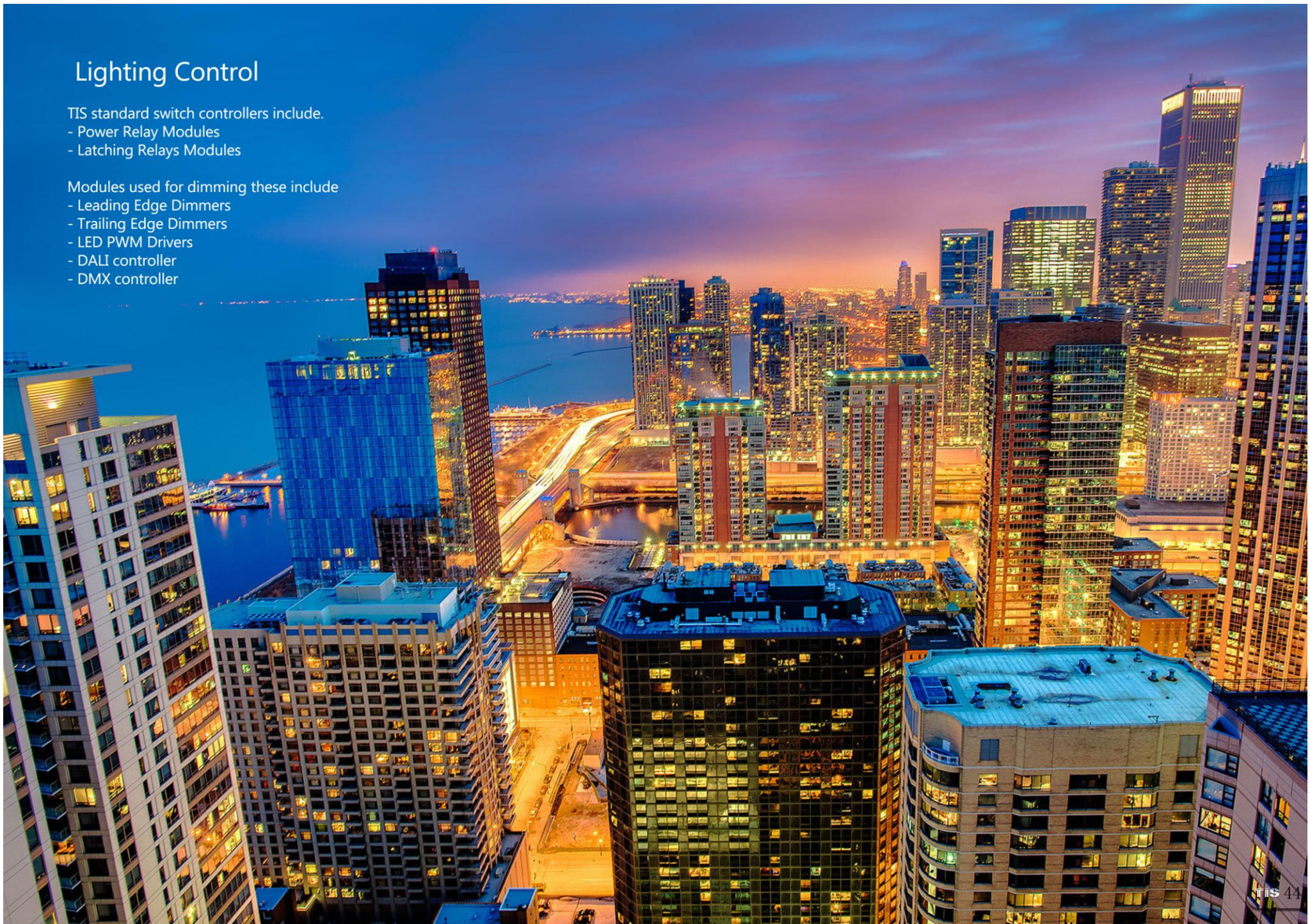
# Lighting Control

TIS standard switch controllers include.

- Power Relay Modules
- Latching Relays Modules

Modules used for dimming these include

- Leading Edge Dimmers
- Trailing Edge Dimmers
- LED PWM Drivers
- DALI controller
- DMX controller





6 channel 10A TE Dimmer,  
DIM-W06CH10A-TE



### Trailing Edge Dimmers

Our commercial range of dimmers are available in 6 and 12 Channel wall units with 3 phase input, MCBs and advanced protection methods.

12 channel 10A TE Dimmer,  
DIM-W12CH10A-TE



Easily create moods for that corporate event, in your ballroom or hotel lobby, anywhere which high current lighting control is required.



## LEADING EDGE DIMMER MODULES

Used for dimming LED and Halogen replacement light fittings set the atmosphere for your dining and theatre experience. Our residential din rail range of dimmers are available in 2, 4 and 6 Channels. It can be used for mood creation for you dining or movie viewing experience, when coupled with the TIS motion/presence detection units manage automatic increase/decrease in lighting intensity when entering or leaving a room lighting levels to entering or leaving a room.

2 channel 6A LE Dimmer, DIM-2CH-6A



4 channel 3A LE Dimmer, DIM-4CH-3A



6 channel 2A LE Dimmer, DIM-6CH-2A



## RELAY MODULES

Used for switching a variety of loads, available in 4, 6, 8 and 12 Channel options. The relay modules can switch external or internal lighting on/off. Turn your electric hot water heater on/off when leaving your holiday home or weekender by arming or disarming your security system. Curtain and Blind control can be easily achieved by our easy interlocking capability without the need for additional curtain controllers.

Power Relay Module 4 Channel 10A  
RLY-4CH-10A



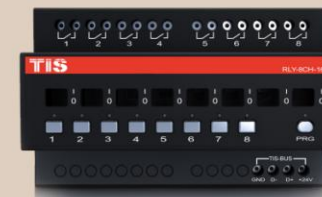
Small module used to control 4 lighting channel or 2 set of curtain motor

Valve Lighting Curtain Module 6CH 5A



Small economic module used to control 6 output, like signal contact, door, lighting channel, 2 set of FCU fan speed, or 3 set of curtain motor.

Latching Relay Module 8 Channel 20A  
RLY-8CH-16A



Can be used to control higher current devices, advantage of using this module is the mechanical relay which has override access in case of network failure.

Valve Lighting Curtain Module 12CH 10A



Can be used to control 12 lighting channel, 4 set of FCU fan speed, or 6 set of curtain motor.



# DALI

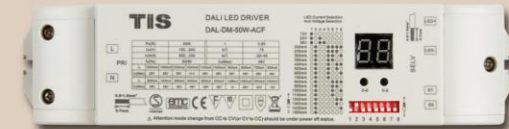


DALI (Digital Addressable Lighting Interface) is a data protocol and transport mechanism that was jointly developed and specified by several manufacturers of lighting equipment. The common platform of DALI enables equipment from different manufacturers to be connected together. Our DALI network consists of a TIS DALI controller and DALI LED dimming drivers. The controller can monitor and control each light by means of a bi-directional data exchange. The DALI protocol permits devices to be individually addressed and it also incorporates Group and Scene broadcast control



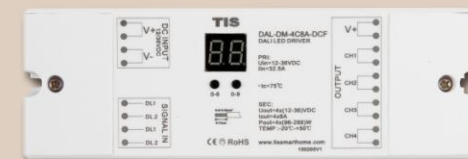
TIS DALI 64 CH controller

Powered DALI controller of 64 devices in one DALI network. It converts our TIS bus signal to DALI network to use the elegant TIS panel interface and application to dim and monitor all DALI lights interfaces..



DALI LED Driver 1 CH 50W

Match DALI standard, one channel , address can be set manually by the easy to read LCD screen,or automatically by TIS system. Driver has built in power supply can be set by DIP switch as 12-32V DC, can set to control both constant current or constant volt LED lights, compatible with TIS DALI controller.



DALI LED Driver 4 CH 7A

Match DALI standard, four channel with four different address can be set manually by LCD and setting buttons, or automatically by TIS system, 4 channel each 7A work separately or combined together, Driver input requires external power supply 12-32V DC, Compatible with TIS DALI controller.



## TIS DMX

TIS DMX controller can control all devices working under DMX512 protocol, this protocol is a standard for digital communication networks that are commonly used to control stage lighting, dimmers, and other effects. TIS has many products also work under DMX512 protocol like LED drivers and many small elegant party effects.



TIS DMX 48CH Controller

This controller can control 48 DMX addresses of different devices; many controllers can be connected together by TIS – bus to control unlimited DMX devices. Each DMX controller can control channels directly or arrange it in groups to control it by scenes and sequence to make the show effects.



DMX LED Driver 4 CH 5A

Match DMX512 standard protocol, four channel with four different address can be set manually by LCD and setting buttons, 4 channel each 5A work separately or combined together, Driver input need external power supply 12-32V DC, Compatible with TIS DMX48CH or any other DMX master controller.

## PARTY EFFECT DMX AND MANUAL CONTROLLED LIGHTING

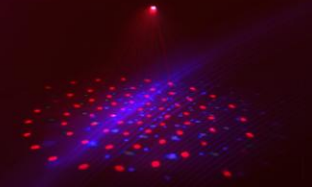
TIS range of effect lighting, are great for home or childrens party or play rooms. Our lighting range can be wall mounted and also available with recessed ceiling adapter to achieve the seamless finish, perfect accompaniment with the TIS range of speakers and audio controller. Effect selection by dipswitch for automatic operation by internal microphone or via our TIS-DMX module to add DJ party inspired effects. Range of Party effects include

- Diamond
- Star
- Water Wave
- Flowers
- Moving Head
- Fire Fly Laser
- Grill Laser
- Light Beam



### Home Party Light HPS-LED-Stars

Fulfil your wish by visiting the stars in the comfort of your own. Turn the lights down and switch on the party lights and let your imagination take you on a ride through space.



### Home Party Light HPS-LED-Diamond

Provide RGB multicolored wide angled diamond effect by its rotating Crystal glass head.



### Home Party Laser HPS-LSR-FireFly

Provides professional quality red and green laser show in your living and party room.





### Home Party Light HPS-LED-Water

Will make your guests think they are walking on water, or climbing a volcano, with the Mutli-coloured lighting effect available.



### Home Party Moving Head Light HPS-LED-Square

Available in red, green, blue or white, compact moving head, Bring the stage home with these party lights



### Home Party Light HPS-LED-Flower

Is perfect for bring the shape of nature indoors in a stunning lighting display. Mutli-coloured lighting display guaranteed your guests will be impressed

## Music is Life

TIS offer modular complete home audio systems, which guarantee an unparalleled listening experience, with solutions specially designed to match incredible fidelity. Easy to install, easier to enjoy, TIS systems are the perfect fit for any project.



## Audio Matrix

Din rail mounted small size audio player with built in stereo amplifier of 2\*20 watts, FM radio, SD card mp3 reader, USB mp3 reader, 2 \* auxiliary input, variable auxiliary output.

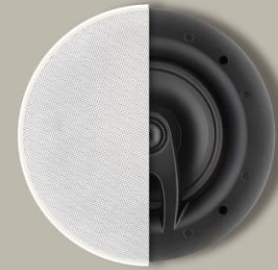


## Audio Player

Tabletop or wall mounted audio player with built in stereo amplifier of 2\*25 watts, FM radio, SD card mp3 reader, ethernet FTP streaming, auxiliary input, RCA paging input, variable auxiliary output.



## 6.5" FRAMELESS CEILING SPEAKER



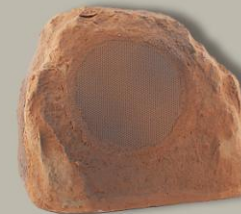
Sleek design with frameless grill, simple installation, clear sound quality ceiling mount speaker. 100 Watts 8 ohms, 6.5" Polypropylene, with a rubber 1" Ferro fluid cooled silk dome. The grill cover sits almost level with the ceiling giving the finish a nice seamless look, also available with a square grill.

## OUTDOOR WALL MOUNT SPEAKER



In the outdoors TIS wall speaker is your perfect choice, weather proof outdoor wall mounted speaker, 100 Watts, 8 ohms, 4" Polypropylene rubber surround. Available in Black or White.

## Rock speakers



At home in the outdoors, TIS Rock Speakers are perfect for patios, pools, porches, decks, and backyards. Relax in a lawn chair or tend your garden while enjoying your favorite tunes in the fresh air.



Carefully designed to resemble natural rock, OutBack Rock Speakers blend into your lawn or garden surroundings. Each speaker's durable waterproof enclosure is environmentally tested and optimized for superior outdoor audio performance.



## Roller, Blinds and Shades Control

Motorise all types of interior window coverings by TIS motors, such as: roller or Roman/woven shades, horizontal blinds, sheer, and draperies.

TIS motors are also ideal for large windows, high-up or hard to reach window coverings.

Conveniently close or open all your blinds or shades at the same time, perfectly positioned and aligned to any percentage you choose with a touch of a button from your tablet, panel or remote. No more tangled up cables.

## Curtain control

Motorise your drapery track to get rid of pulling heavy or hard to reach draperies. No more cables to operate or strings that get tangled up. Enhance your lifestyle by making your curtains so easy to use, by single touch of button you will experience benefits how simple to eliminate the harmful sun's rays inside room, or giving you instant privacy ...

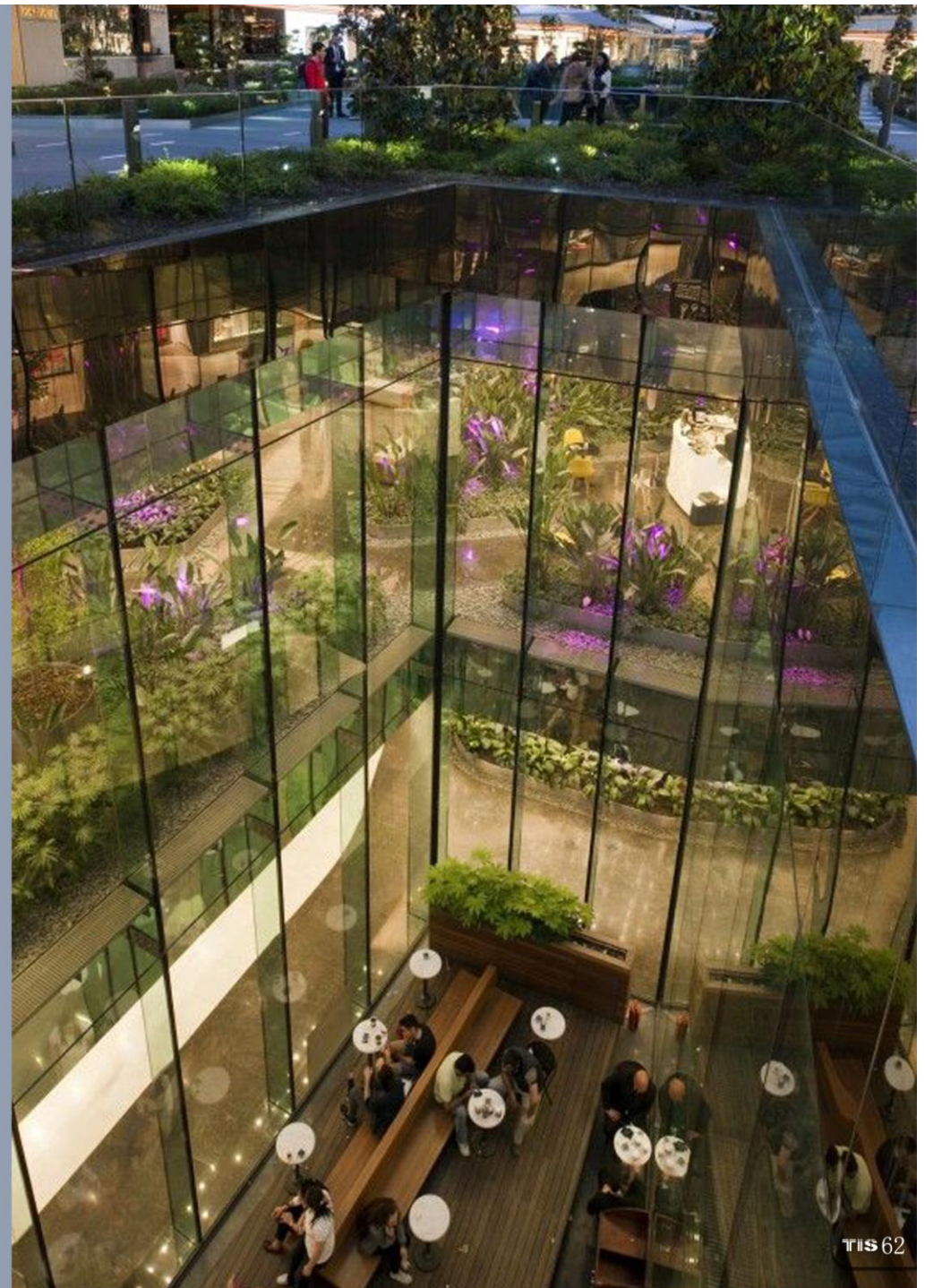
Considering a curtain for your home? Motorise curtains add distinction to any living space.

You can use any fabric and design type of your choice and still experience the convenience and luxury of TIS automation



Our wide range of TIS standard modules include:

- Panel Addition
- HVAC Module
- IR Emitter with Current sensor
- 4 Digital inputs
- TCP/IP Gateway with RS232 and 485 Interfacing
- SMS Module
- Time Clock and Automation module
- Security Module
- Power Supply
- Cable manager
- Energy Meter







### HVAC VAV Climate Controller Module

This Module is designed to control both HVAC and VAV dampers. For HVAC output there are 6 outputs which are(Cool, Heat, Aux as well as Low Medium and High Fan control). There is one 0-10V output for VAV control,as well as connection for an external temperature probe.



### TIS Security Module

Enhance your safety and security by adding one module to your system, Arm all your sensors by one single touch, This module can be divided to 8 security area, supporting 6 arming mode, built in time clock for auto arming and disarming to fit your lifestyle.



### COMMUNICATION IP MODULE IP-COM-PORT

Used for communicating with the TIS system as well as connection to wireless gateway which allows the integrationto smart phone applications to control your living and work space. Using an IP based communication system, no dongles or adapters required only LAN or WAN if using a wireless router. Third party integration via the RS232 and RS485 connection points allows your TIS system to become a total control solution for your environment.



### TIS Cable manager

Din rail cable manager with 7 bus terminal inputs, used to arrange cables for neat and clean installation inside the distribution box.



### Time Clock and Automation module

Turn on your outdoor lights after sunset, open your curtainevery morning in winter, automate your home depend on yor lifestyle by Automation Timer Logic Module with built inclock, 240 lines of logic programming with AND, OR, Xor and gates, sunset , sunrise Muslims Azan triggering function, device input output monitoring , flags and many other automation tools...



### TIS Power Supply

Din rail power supply with robust heat sink, stable outputvoltage, output surge protection, input tolerance proof. ....



### TIS 4 zone Digital inputs

TIS-4Z-IN is a 4 zone dry input monitoring module, it is used to detect any changes of external interface switches or relays. Uses of the 4Z range from security, energy management and some BMS integration monitoring, the third party signals are converted to the TIS Bus protocol.



### Infrared Emitter with Current sensor

The ideal device for your cinema room, the IR emitter with current sensor is used to control IR capable devices such as TV, DVD, or AV receiver. This unit can learn up to 200 IR codes. The current sensing capability allows the unit to detect whether a device is on or off, which then ensure the correct code is sent to the device. Is supplied with an emitter probe which is placed over the devices receiver window.



### TIS SMS Module

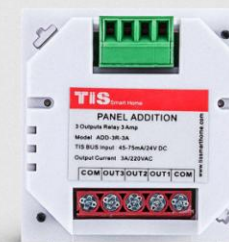
Control your lights, curtain, security and other appliances by sending short message from your phone to TIS SMS Module. Also the same Module will alert you by sending SMS to your phones in case of any alarm or emergency alert.

## Panel Addition

a small module used to suit in Luna , Mars and Terre series of TIS interface panels to give a connection with extra functions .

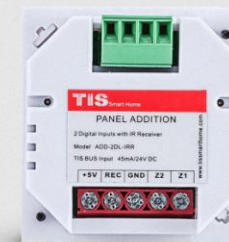
### Panel Addition 3 Relay 3 Amps

ADD-3R-3A is used to connect 3 lights or 1xFCU with 3 fan speed control Low, Med, High as well as the Cool, Heat and Fan function.



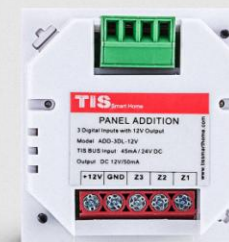
### Panel addition 2 digital inputs With Infrared Receiver

ADD-2DL-IRR. Is a dry input interface similar to the 3DL and has external Infrared receiver capabilities for automation control functions.



### Panel addition 3 digital inputs With 12VDC output

ADD-3DL-12V is a dry input interface which is used to monitor third party device, this can range from mechanical rocker switch to relay as well as PIR or smoke detector interfacing.



### Panel Addition 2 Digital Inputs With IR Emitter

ADD-2DL-IRE is used to control IR devices, most common use is split ac control, can learn up to 64 IR codes and requires an emitter probe which is placed over the IR receiver of the unit being controlled.



# Energy Meter



The energy-meters "with blue backlit LCD screen for perfect reading" are used to measure singlephase like residential, utility and industrial application. The unit measures and displays various important electrical parameters,. Bi-directional energy measurement makes the unit a good choice for solar PV energy metering.



## Safety and certificate



We in TIS always select the best and safer parts to produce our products according to international standard.

All our products plastic case is fire retardant; all components fit the ROHS standard and all PCBs, ICS and Terminal is UL (USA/ Canada) Certified

- The following Certificate is applied for all products
- C-Tick Certificate (Australia)
- CE Certificate (Europe Standard)
- GOST (Russian Federation)
- RoHS (International)





[www.tissmarthome.com](http://www.tissmarthome.com)