

A photograph of a modern building facade with a complex, geometric, and crystalline structure. The building is set against a clear blue sky. The image is framed by a large red shape that tapers to a point at the top and bottom, creating a triangular effect. The foreground shows a paved plaza.

Leading the  
**Automation  
Revolution**



Leading the  
**Automation  
Revolution**



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**Tris**  
CONTROL EVERYTHING



## ABOUT US

At TIS Control, we are passionate about the role of smart technology in shaping the modern world. We believe that our solutions can make lives more efficient, safe, and sustainable not just for today, but for future generations as well.

Our commitment to excellence drives us to design solutions that offer convenience without sacrificing style or accessibility. With TIS, you can enjoy the benefits of smart living, both now and in the future.



## CRAFTED FOR UTILITY

Upgrade any space with TIS technology and experience the power of intelligence. Our smart devices seamlessly communicate with you and other components, providing real-time services that make life easier.

Through IoT-powered technology, we create a fully coordinated ecosystem of solutions that work automatically and efficiently in any designated space. TIS is a constantly evolving body of interconnected systems and smart products that ensures you have the most advanced technology at your fingertips.



**ABOUT US**

Your location doesn't matter  
when you're in control

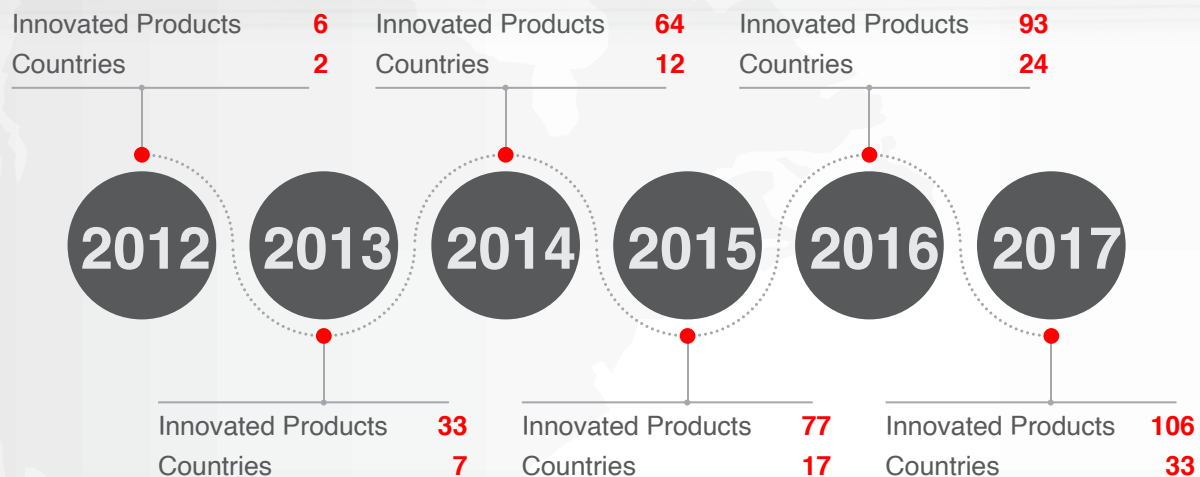
TIS Control Ltd. has been at the forefront of designing and supplying smart technology solutions since founded in 2012. Our range of products includes smart lighting, climate control, and security systems, designed to cater to the unique needs of any environment.

With a commitment to providing the most efficient, practical, and user-friendly solutions, we have built a strong reputation as a trusted and reliable company.

Our focus on flexibility and functionality ensures that our automation systems are tailored to the needs of each individual user.



## TIS FOUNDED





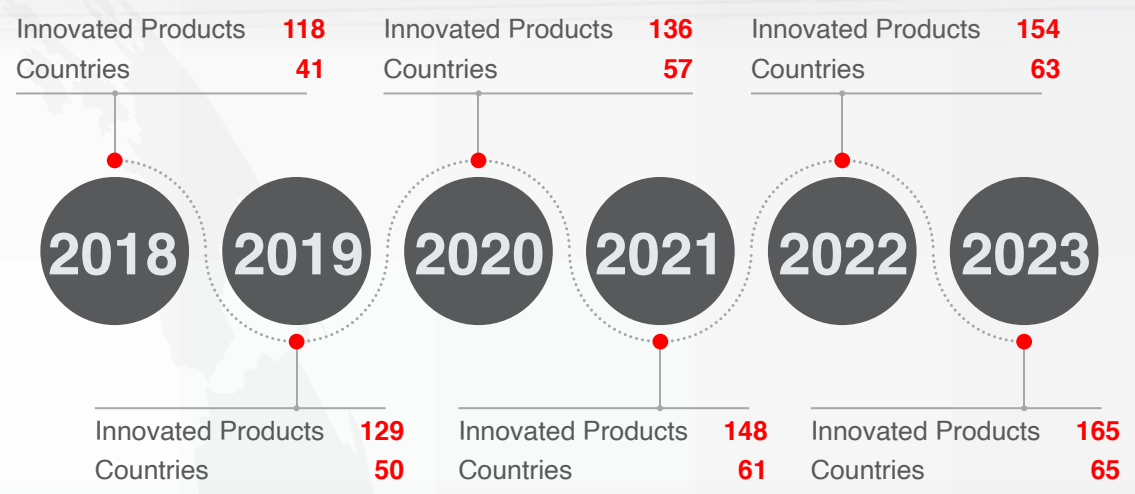
## WHY TIS?

At TIS Control, we understand that automating a building can be a daunting task. That's why we offer a comprehensive range of multi-functional products that allow you to automate any building under one brand.

We prioritize integration compatibility and ensure that our solutions are designed to work seamlessly with gateways and linking modules, as well as universal protocols. Our professional team is committed to providing personalized and eco-friendly solutions that meet your specific needs, while delivering accurate performance.

With TIS Control, you can create a connected and diverse system of smart products that best suit your preferences and goals. Our range of over 150 home and building automation products provides reliable and user-friendly solutions to cover all your smart technology needs.

With easy installation and maximum functionality, our products offer seamless integration to create a complete and personalized automation system for your property.



## TIS TECHNOLOGY

TIS Smart technology operates through three protocols, each with its own unique features and possibilities including being open for 3rd party integration, and can be easily controlled through the TIS app.







**TIS BUS**

TIS Bus networking enables wired products to run programmed or automatic commands. As this platform requires a cable specific infrastructure, it is recommended to consider a Bus automation system in the early stages of building construction.



**TIS AIR**

TIS Air networking is a platform for wireless devices and solutions to communicate and operate. The cable-free Air series of products requires a Wi-Fi connection and offers several advantages, including remote control, low energy consumption, and flexible fitting locations and stages.



**TIS BEE**

TIS-Bee networking consists of ZigBee- powered devices that operate on low- consumption batteries within the TIS automation system. This series is perfect for interior renovations and complements the smart control dashboard.

# WHAT WE DO



Control Panels



Lighting



Thermostat



Security



Sensors



Controllers



Accessories



Appliances



Voice Assistants



Application



Motorization



Metering



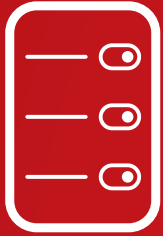
Hotel GRMs



# TIS IN A NUTSHELL

Count on our solutions for streamline integration,  
simple design, and seamless connectivity.





# CONTROL PANELS

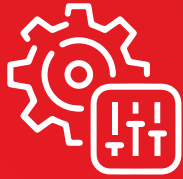
Complete control through a single point of management

All functions within a building can be managed locally and instantly through elegant touch screens.

These touch screens are available in various dimensions and offer a personalized interface with simple icons designed to make every operation fast and intuitive.

The same interface can also be found in the control app through smartphones or tablets, providing a homogeneous and ergonomic user experience throughout the system.





# CONTROL LIMITLESSLY

With TIS and its local and cloud connectivity, everything can be controlled from anywhere using a touch wall switch, virtual voice assistant, or smartphone app.

Our solutions offer the advantage of having built-in intelligence that ensures system reliability, even when there is no connection to the cloud.



## SATURN SERIES

The Saturn series offers a wide range of features, including the ability to personalize the main screen of the interface to make frequently used scenarios more accessible. With a step-by-step wizard, users can create different scenarios that fit their lifestyle needs.





## AN ADVENTUROUS HOME CONTROL

The Saturn series also includes various personalization options to meet diverse housing needs and can control all home components through a single control dashboard. This makes it both convenient and enjoyable to set and monitor your property.

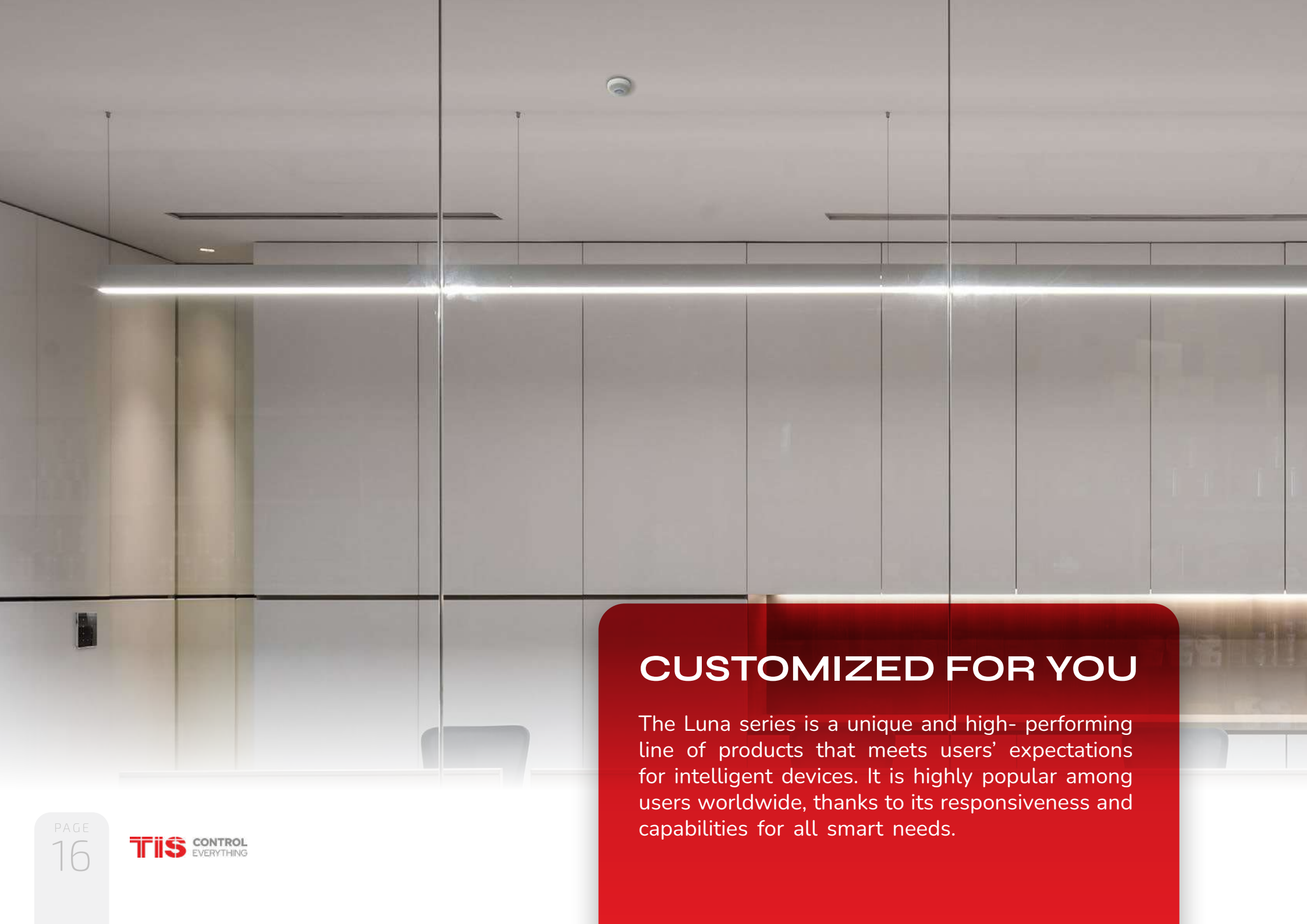






LUNA  
SERIES





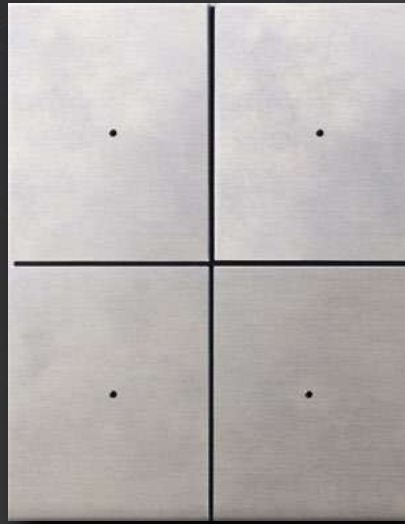
## CUSTOMIZED FOR YOU

The Luna series is a unique and high-performing line of products that meets users' expectations for intelligent devices. It is highly popular among users worldwide, thanks to its responsiveness and capabilities for all smart needs.

## VARIETY & PRACTICALITY; LUNA'S SIGNATURE

Luna offers a diverse range of smart wall switches suitable for homes, offices, and hospitality facilities, making it a versatile choice for anyone. The Luna series works seamlessly with other components to create a flawless automation system.

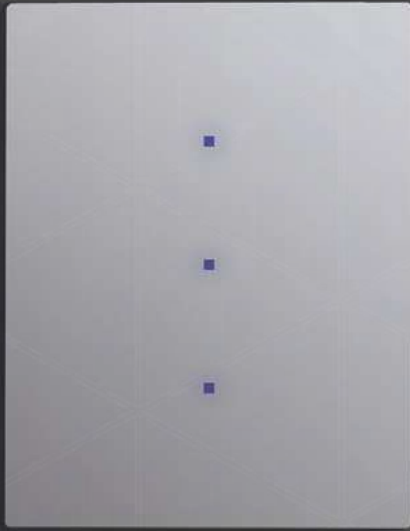




## VENERA SERIES

Add a Touch of elegance to your home décor

Venera is a series of intelligent wall-mount switches that allow you to control everything around you! Whether you're upgrading a single room or your entire home, Venera switches offer the ideal solution for modernizing your home's status, look and feel.



**Venera gives your home environment an inspiring new look**

Our sleek and stylish switches are designed to add a touch of elegance and sophistication to your living space.





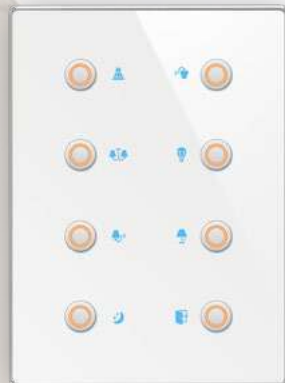
## IO HOTEL INTERFACES

**Don't settle for mediocrity – Upgrade your hotel!**

Introducing the IO Hotel Series - the ultimate solution for upgrading your hotel's management and providing guests with an unforgettable experience!

# IO

— SERIES —



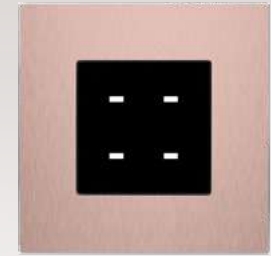
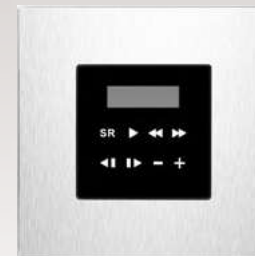
This comprehensive series includes a range of products for room control, access control, guest-staff interaction, and hotel management, adding significant value to any hotel.

With the IO Hotel Series, hotels can enjoy seamless and efficient management, while guests are treated to an unparalleled level of comfort and convenience, ensuring a memorable stay.



# TERRE

SERIES





# TERRE SERIES

## Value & refinement

Introducing Terre: a series where technology meets beauty in perfect harmony. Its flawless design is not only aesthetically stunning, but also yields a new form of energy.





# TITAN & TITANIA SERIES

## Elegant functionality

This is Titania/Titan: characterized by essential formal rigor yet enlivened by a dynamic design. This series is perfect for adding value to any room or space, thanks to its captivating shapes and materials.

## COLOURS





# DION SERIES

## When Technology Meets Style

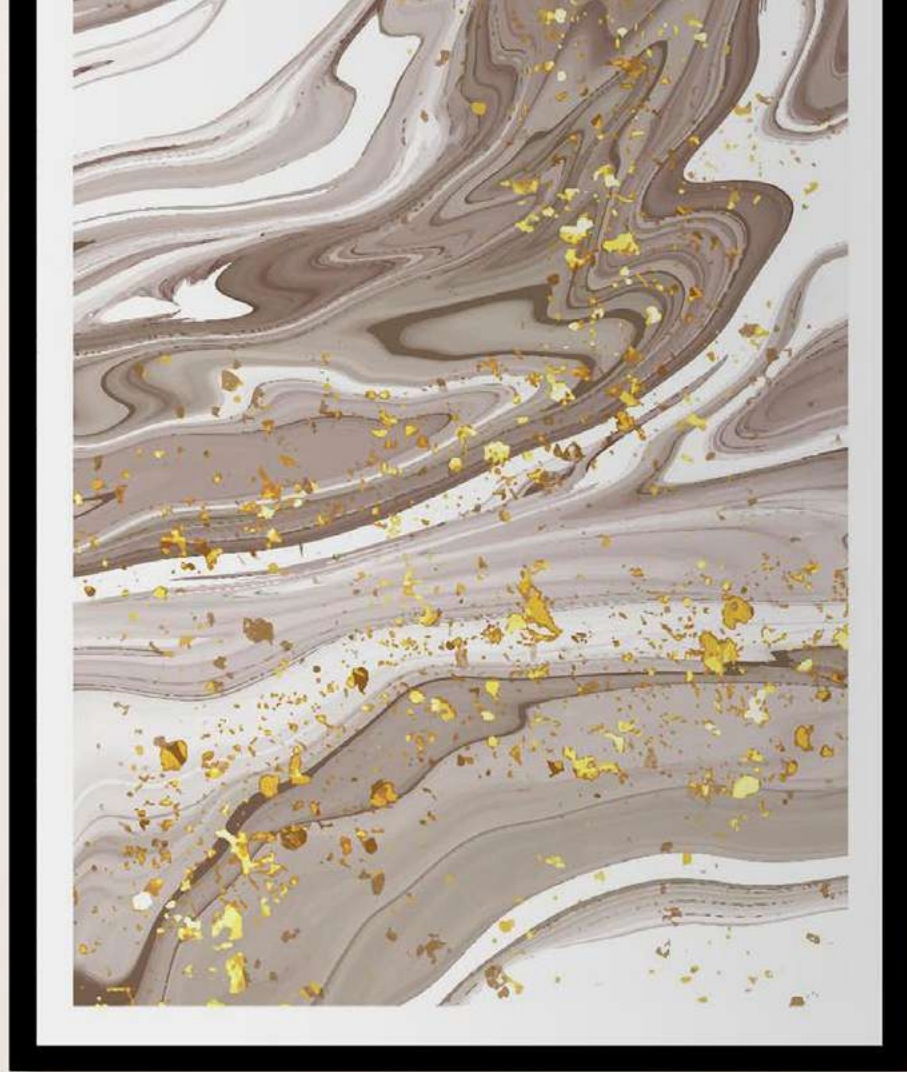
The Dion series is a range of switches operated by ZigBee 3.0 technology, capable of controlling lights, curtains, and scenes. With a stylish design and push-button controls, it offers an easy and cost-effective solution for home automation.





## SMART SOLUTIONS FOR ANY SPACE

The series is also highly convenient to install, featuring adhesive tape on the back of the switches for easy mounting on any surface. With long-lasting functionality and timeless style, Dion switches will continue to light up your space for years to come.





## The ease of simplifying

Introducing SOL, a beautifully designed series that blends classic technology with IoT. With a variety of products featuring touch LCDs, push buttons, and multi-purpose sockets compatible with schedules and over-app control, SOL is the perfect fusion of form and function.







### Aesthetics without compromise

The trendy textures and finish options available throughout the series make it easy to find something that complements your interior design. Imagine waking up to the soothing light of a stylish wall switch right next to your bed – it doesn't get much better than that.



# MERCURY



 COLOURS





# MERCURY

## Appreciate Excellence & Beauty

Mercury sets a new standard with its range of cardholder, RF reader, AC, and light switches. This series offers customization, smart control over climate and lighting, and compatibility with all European and UK back boxes.



### **Stylish interiors without compromise**

The key features of the series include the various finishes and editable backlit colours, making the Mercury switches capable of delivering functionality and convenience through elegant wall-mounting in any residential, industrial, or hospitality facility.



## MOTORISED

### Efficiently increase security and privacy

To achieve this level of convenience and control, motorized devices that can manage AC, TV, curtains, windows, and gates using remote or switch buttons are necessary.



**TIS**  
CONTROL EVERYTHING

These products are perfect for those who prefer straightforward settings or classical methods of interacting with their environment.

### **With TIS, Nothing Is Ordinary**

In a TIS-enabled smart home, even seemingly simple actions become smart and convenient, as motorized devices are seamlessly integrated with your control hub.

MOTORIZED



## MULTIMEDIA

### A Freshness that Doesn't Fade Away

Our AV solutions provide a seamless multiroom audio streaming experience with high-quality sound and video, supporting multiple sources and formats. We offer a wide range of control options to ensure you feel cool and in control.

TIS multimedia solutions offer easy activation of streaming options with just a touch of your finger. Creating musical scenes and scenarios is a breeze, allowing you to effortlessly customize your home audio with just one touch.



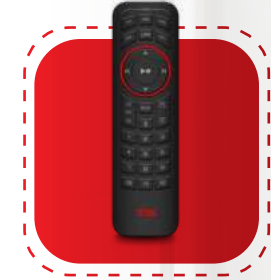
CEILING SPEAKER



TIS AUDIO MATRIX



WIFI AUDIO PLAYER



IR CONTROLLER



4X4 4K AV MATRIX







DALI  
CONTROLLER



DMX  
CONTROLLER



6CH DIMMER



## LIGHTING CONTROL

**Evoke cherished memories.**

If you're looking for a way to create a relaxing  
ambiance in your home, TIS lighting products  
are perfect for you. With our wireless  
lighting devices, you can easily adjust the  
light intensity, colour, and even control the  
roller shutter to your desired position.



# A NEW ERA OF SMART LIGHTING

We offer a range of protocols to choose from, ensuring that you get the best lighting experience possible. So, whether you're listening to your favourite song or simply looking to unwind, TIS lighting products can help you create the perfect atmosphere.



RGBW LED  
CONTROLLER



SMALL DIMMER



RGBW BULB

LIGHTING



## CLIMATE CONTROL

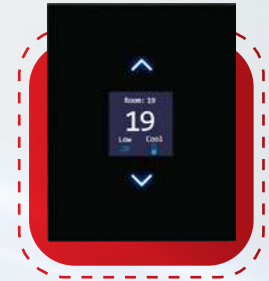
TIS Climate Solutions offer an intelligent and energy-efficient way to regulate the indoor climate of your home.

Whether it's a hot summer day or a chilly winter evening, the centralized control hub allows you to set the temperature for every corner of your home while optimizing energy usage and maintaining optimal values.

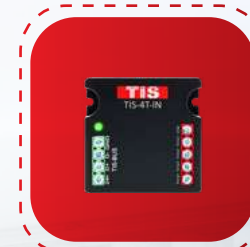
This not only ensures that you have fresh air circulating throughout your home, but it also helps to save money on your energy bills. Experience the ultimate in smart home climate control technology with TIS Climate Solutions.



HVAC MODULE



VENERA  
THERMOSTAT



4T MODULE




IO THERMOSTAT



VRV MODULE



TRV RADIATOR  
CONTROLLER



With the implemented functions of these solutions, you can expect to achieve energy savings between 30% and 60%.

**THERMOSTAT**



## SECURITY

Imagine receiving a video call from the babysitter while you're out running errands, only to realize she's forgotten her key for the gate.

With TIS App, you can easily talk to her, let her in, and turn on external lights for added convenience and safety.

Our intelligent video door entry system, based on cutting-edge IP technology, offers a clear view of your doors and gates right from your smartphone, giving you complete control over your home security.





SECURITY MODULE



TISBUS 10F  
SENSOR



TISBEE MOTION  
SENSOR



DOOR / WINDOW  
MODULE

### Guaranteed Security

For those seeking full monitoring capabilities for their smart home, our video surveillance system is the perfect solution. With a range of products designed to operate in any environmental condition, our system provides top-notch protection against unauthorized entry.

TIS offers the best intrusion detection system with a variety of smart products to keep you and your home secure 24/7.

SECURITY

 **SENSORS**

Our smart sensors, developed by a team of professional experts, seamlessly integrate with any building's security and architectural style.

Available in a wide variety of materials, colours, and shapes, our sensors not only blend in aesthetically with their surroundings, but also work in harmony with electronic thermostats to provide optimal comfort and efficiency.

They turn any space into a haven of well-being, where you can easily achieve your preferred environmental conditions.

Our sensors also integrate with other smart solutions to create the most enjoyable scenarios that meet your demands.



ZIGBEE MOTION SENSOR



10F SENSOR



ZIGBEE GAS SENSOR



HEALTH SENSOR



SECURITY MODULE



DOOR / WINDOW SENSOR





With an iconographic object-oriented language, designed through detailed research on interaction design and tested with end-users, our products are incredibly user-friendly. Anyone can set up and monitor our sensors in no time at all.

Additionally, our sensors offer app-control capabilities, allowing you to easily navigate through their control options online and manage your building from anywhere in the world.

SENSORS



# CONTROLLERS

Revamp your home with the cutting-edge technology of smart home automation!

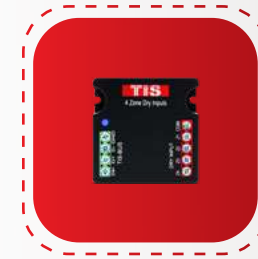
Our intelligent controllers act as the brain of your home system, enabling effortless integration and control of every aspect of your home.

Picture yourself waking up every morning to the sweet sound of your favourite tunes, as the curtains automatically open, and the scent of freshly brewed coffee wafts through the air.

With smart home automation, all of this and more is within your reach!



AUTOMATION TIMER



4 ZONE DRY INPUTS



IR EMITTER



SHUTTER MODULE



ZIGBEE SWITCH CONTROLLER



WIFI ACM CONTROLLER





## ACCESSORIES

Elevate your home with the latest TIS smart accessories that bring a touch of modern elegance and automation to your living space.

Our range of affordable and user-friendly products are designed to make smart homes accessible to everyone.

These innovative accessories are not only stylish but also energy-efficient, seamlessly integrating with other components of your TIS hub for a truly connected experience.

With remote controllability, you can effortlessly manage and monitor your home from anywhere, anytime.



DION SWITCH  
REMOTE



ZIGBEE KEYFOB



ZIGBEE SMART  
PLUG





## WEATHER STATION

Introducing the TIS Weather Station - the ultimate solution to staying informed about weather conditions!

This cutting-edge smart sensor is equipped with state-of-the-art technology, accurately detecting a range of data, from temperature and humidity to rain levels, UV intensity, and wind speed and direction.

With this valuable information, you can plan your day accordingly and keep your home safe and healthy.

Experience the convenience and benefits of the TIS Weather Station and stay ahead of the weather!





## ENERGY METER

Get ready to revolutionize the way you track your energy usage with the TIS Energy Meter!

This cutting-edge smart sensor is packed with advanced technology that accurately measures and displays crucial electrical parameters, providing you with valuable insights into your energy consumption.

With daily, weekly, monthly, and yearly energy consumption reports, the Energy Meter not only helps you monitor your energy usage but also saves you money by identifying areas where you can cut back.

Take control of your energy consumption and start saving today with the TIS Energy Meter



ENERGY METER



## APPLICATION

### A 24/7 window to your smart home

Experience the full convenience and security of the TIS system with our intuitive TIS app.

The app allows you to remotely monitor and manage your TIS system's settings and status, providing real-time assistance for maintenance and updates.

With advanced cybersecurity standards, you can rest assured that only authorized individuals can access your TIS automation system, keeping your home safe and secure.

Enjoy the peace of mind that comes with the convenience of the TIS app.



Download on the  
App Store



GET IT ON  
Google Play





# APPLICATION

By using the TIS app, you have the power to activate the video camera display in the alarmed zone, allowing you to assess the situation quickly and easily.

If a neighbour's child accidentally triggers the alarm by kicking a ball into your yard, you can use the live video feed to verify the situation and disable the alarm, enabling them to safely retrieve their ball.

TIS provides you with the ability to monitor your home and surroundings with ease, giving you peace of mind and enhanced security.





## TIS ALLIANCES

### A Reliable Smart System Comes With Great Advantages

At TIS, we specialize in integrating our TIS BUS and TIS AIR systems with other leading brands, such as Zigbee, Modbus, and KNX.

This enables us to offer our clients a comprehensive and seamless smart home experience.

Our expertise in integrating these systems allows us to provide maximum comfort, energy efficiency, and security to our users.

By partnering with recognized manufacturers, we're able to enhance the value of our solutions and deliver the best possible smart living experience.





## AWARDS

Our smart solutions combine aesthetics and technology seamlessly.

While TIS products are designed to enhance living and working spaces and cater to specific aesthetic preferences, we also integrate with other leading brands to offer a wide range of options.

Our dedication to creating beautiful and functional smart solutions has earned us several prestigious awards in the home automation industry.



# PRODUCT PORTFOLIO



Luna TFT 4.3" Touch Panel

<b>LCD</b>	Size	3.5"
	Resolution	320x480
	Contrast	500
<b>TOUCH</b>	Viewing Direction	160 Degree
	Active Area	4.3" Capacitive
<b>INPUT</b>	Temp Sensor	Resistive Temp. Sensor
	IR Receiver	TIS Infrared Code Receiver
	Using Panel Addition	2-3 Digital Input
<b>OUTPUT</b>	Using Panel Addition 3R	3 Relay Output 3A / 5A
	Using Panel Addition 3DL-12V	12VDC 50mA Output
	Using Panel Addition 2DL-IRE	IR Emitter
<b>MOUNTING</b>	Junction Box	US, EU, UK Standard



Luna 9-Gang Touch Panel

<b>TOUCH</b>	Active Area	4.3" Capacitive
	Single Press	ON/OFF/Scene
	Long Press	Dim or Ramp the Lights
<b>FUNCTIONS</b>	Double Click	Extra Scene
	IR Receiver	Music, Scene, Lights Control
	IR Receiver	IR Receiver
<b>INPUT</b>	Using Panel Addition	Using Panel Addition
	Using Panel Addition 3R	3 Relay Output 3A / 5A
	Using Panel Addition 3DL-12V	12VDC 50mA Output
<b>OUTPUT</b>	Using Panel Addition 2DL-IRE	IR Emitter
	<b>MOUNTING</b>	Junction Box



Luna Outdoor Bell Touch Panel with RF Readability

<b>TOUCH</b>	Active Area	1 Bell Button
	Touch Type	Capacitive
<b>FUNCTIONS</b>	Bell Press	Touch Button
	RFID	Access Control
	<b>INPUT</b>	RF Card Reader
<b>OUTPUT</b>	Low Current Relay	1 Relay Output 2A / 12V
<b>MOUNTING</b>	Junction Box	US, EU, IT, UK standard



Luna Bedside Touch Panel

<b>TOUCH</b>	Active Area	4.3"
	Touch Type	Capacitive
<b>FUNCTIONS</b>	Display	0.9" OLED
	Single Press	ON / OFF / Scene / AC control
	Long Press	Dim or Ramp the Lights
	Double Click	Extra Scene
	Temp Sensor	Resistive Temp. Sensor
<b>INPUT</b>	IR Receiver	TIS Infrared Code Receiver
	Using Panel Addition	2-3 Digital Input
	Using Panel Addition 3R	3 Relay Output 3A / 5A
<b>OUTPUT</b>	Using Panel Addition 3DL-12V	12VDC 50mA Output
	Using Panel Addition 2DL-IRE	IR Emitter
	<b>MOUNTING</b>	Junction Box



Luna Card Holder Panel

<b>OPERATION</b>	Card Switch	Card RF Reader
	TIS BUS	TIS Protocol Messages and Commands
	Upgrading	By Rs485 Upgrading Kit
<b>FUNCTIONS</b>	CARD Switch	To Indicate Occupancy and Activate Lights
	<b>INPUT</b>	RF Card Reader
<b>MOUNTING</b>	Junction Box	US, EU, IT, UK Standard



Luna Touch Panel with Room Number Display

<b>TOUCH</b>	Active Area	1 Bell Button
	Touch Type	Capacitive
<b>FUNCTIONS</b>	Bell Press	Touch Button
<b>INPUT</b>		4 Digital Inputs
<b>OUTPUT</b>	Low Current Relay	1 Relay Output 2A / 12V
<b>MOUNTING</b>	Junction Box	US, EU, IT, UK Standard



## IO Thermostatic Switch with 4 Buttons

<b>OPERATION</b>	Display Rotating Knob push Buttons TIS BUS	2.3-inch OLED Screen 1 Rotating and Pushing Knob 4 Push Buttons with White / Orange LED TIS Protocol Messages and Commands
<b>FUNCTIONS</b>	Rotating / Press (knob) Single Press (push button) Long Press (push button) Double Click (push button)	Change Temperature / AC ON-OFF ON/OFF/Scene Dim or Ramp the Lights Extra Scene
<b>INPUT</b>	Temp / Humidity Sensor Using Panel Addition	0-100C / 0-99% RH 2-3 Digital Inputs
<b>OUTPUT</b>	Using Panel Addition 3R Using Panel Addition 3DL-12V Using Panel Addition 2DL-IRE	3 Relay Output 3A / 5A 12VDC 50mA Output IR Emitter
<b>MOUNTING</b>	Junction Box	US, EU, UK Standard



## IO Hotel Panel with Card Holder

<b>OPERATION</b>	Push Buttons Card Switch TIS BUS Upgrading	3 Push Button with Orange / White LEDs RF Card Reader TIS Protocol Messages and Commands By Rs485 Upgrading Kit
<b>FUNCTIONS</b>	CARD Switch 3 Push Buttons	To Indicate Occupancy and Activate Lights For DND, MUR ad Laundry Request
<b>INPUT</b>	RF Card Reader	MIFARE RF Type
<b>OUTPUT</b>	Relay	1 Relay 1A / 220V
<b>MOUNTING</b>	Junction Box	US, EU, IT, UK Standard



## IO Wall Switch with 8 Buttons

<b>OPERATION</b>	Push Buttons Backlight TIS BUS	8 Push Buttons with White / Orange LED White Backlit Indicators TIS Protocol Messages and Commands
<b>FUNCTIONS</b>	Single Press Long Press Double Click	ON/OFF/Scene Dim or Ramp the Lights Extra Scene
<b>INPUT</b>	Using Panel Addition	2-3 Digital Input
<b>OUTPUT</b>	Using Panel Addition 3R Using Panel Addition 3DL-12V Using Panel Addition 2DL-IRE	3 Relay Output 3A / 5A 12VDC 50mA Output IR Emitter
<b>MOUNTING</b>	Junction Box	US, EU, UK Standard



## IO Hotel Bell with RF Access Control

<b>OPERATION</b>	Push Buttons Backlight TIS BUS Upgrading	1 Push Button with Red / White Indicator 2 RGB Indicators / Room No. in White LEDs TIS Protocol Messages and Commands By Rs485 Upgrading Kit
<b>FUNCTIONS</b>	Bell Press	Push Button
<b>INPUT</b>	Dry Inputs RF Card Reader	4 Digital Inputs MIFARE RF Type
<b>OUTPUT</b>	Low Current Relay	1 Relay Output 2A / 12V
<b>MOUNTING</b>	Junction Box	US, EU, UK Standard



## IO Hotel Bell Panel

<b>OPERATION</b>	Push Buttons Backlight TIS BUS Upgrading	1 Push Button with Red / White Indicator 2 RGB indicators / Room No. in White LEDs TIS Protocol Messages and Commands By Rs485 Upgrading Kit
<b>FUNCTIONS</b>	Bell Press	Push Button
<b>INPUT</b>	Dry Inputs	4 Digital Inputs
<b>OUTPUT</b>	Low Current Relay	1 Relay Output 2A / 12V
<b>MOUNTING</b>	Junction Box	US, EU, UK Standard



## Venera AC

<b>DISPLAY</b>	2" OLED Screen	
<b>TOUCH</b>	Capacitive Touch	
<b>OUTPUT</b>	Number of Channels Nominal Voltage Nominal Current per Channel	2-4 Relays for Cool, Heat and Fan Speed Control 110- 230VAC 50/60 Hz 8A / 230VAC
<b>OUTPUT SWITCHING CURRENT</b>	Max. Continues Current Max. Switching Voltage	8A / 230VAC 277VAC / 30VDC
<b>INPUT</b>	Temp. Sensor	Resistive Temp. Sensor
<b>OUTPUT SERVICE LIFE</b>	Mechanical Endurance	> 10,000,000 OPS
<b>MOUNTING</b>	Junction Box	US, EU, IT, UK Standard



**Titan - Titania 2.4" Touch Switch**

<b>TOUCH</b>	Active Area	2.5"
	Touch Type	Capacitive
<b>LCD</b>	Size	2.4"
	Resolution	240x320
	Contrast	600
	Viewing Direction	120 Degree
<b>INPUT</b>	Temp Sensor	Resistive Temp. Sensor
	Dry Inputs	2 Digital Inputs
<b>OUTPUT</b>	Model with Relay - 3R	3 Relay Outputs 5A
<b>MOUNTING</b>	Titian	UK Junction Box
	Titania	US Junction Box



**Venera 6 Gang Touch Switch**

<b>OPERATION</b>	Touch Buttons	6 Gangs
	Backlit	RGB LED Indicators
	TIS BUS	TIS Protocol Messages and Commands
	Upgrading	By Rs485 Upgrading Kit
<b>INPUT</b>	Input Voltage	110-230VAC 50/60 Hz
<b>MOUNTING</b>	Junction Box	US, EU, IT, UK Standard



**Titan - Titania 2 / 3 Gang Touch Switch**

<b>TOUCH</b>	Active Area	2-3 buttons
	Touch Type	Capacitive
<b>FUNCTIONS</b>	Single Press	ON/OFF/Scene
	Long Press	Adjust Lights Brightness
	Double Click	Extra Scene
<b>INPUT</b>	Temp Sensor	Resistive temp. sensor
	Dry Inputs	2 Digital Inputs
<b>OUTPUT</b>	Relay Switch	2-3 Relay Outputs 5A
<b>MOUNTING</b>	Titian	UK Junction Box
	Titania	US Junction Box



**Venera 2/3 Gang Touch Switch**

<b>OPERATION</b>	Touch Buttons	2/3 Gangs
	Backlit	RGB LED Indicators
	TIS BUS	TIS Protocol Messages and Commands
	Upgrading	By Rs485 Upgrading Kit
<b>INPUT</b>	Input Voltage	110-230VAC 50/60 Hz
<b>OUTPUT</b>	Number of Channels	2/3
	Nominal Voltage	110VAC / 230VAC 50/60 Hz
	Nominal Current per Channel	8A / 230VAC
<b>MOUNTING</b>	Junction Box	US, EU, IT, UK Standard



**Titan - Titania 4 Gang Touch Switch**

<b>TOUCH</b>	Active Area	4 Buttons
	Touch Type	Capacitive
<b>FUNCTIONS</b>	Single Press	ON/OFF/Scene
	Long Press	Adjust Lights Brightness
	Double Click	Extra Scene
<b>INPUT</b>	Temp. Sensor	Resistive Temp. Sensor
	Dry Inputs	2 Digital Inputs
<b>OUTPUT</b>	Relay Switch	4 Relay Outputs 2A
<b>MOUNTING</b>	Titian	UK Junction Box
	Titania	US Junction Box



**Venera 4 Gang Touch Switch**

<b>OPERATION</b>	Touch Buttons	4 Touch Gangs
	Backlit	RGB Backlit Indicators
	TIS BUS	TIS Protocol Messages & Commands
	Upgrading	By Rs485 Upgrading Kit
<b>REACTION TIME</b>		Approx. 30ms
<b>OUTPUT</b>	Number of Channels	4
	Nominal Voltage	110VAC / 230VAC 50/60 Hz
	Nominal Current per Channel	2A / 230VAC
<b>MOUNTING</b>	Junction Box	US, EU, IT, UK Standard



**Saturn 40 Smart Wall Panel**

<b>LCD</b>	LCD	TFT
	Size	4"
	Resolution	480x480
<b>TOUCH</b>	Type	Capacitive
	TP Type	G+F 5 Points
	Multitouch	5 Points
<b>INPUT</b>	Power	L & N Input
	24VDC	24VDC
<b>OUTPUT</b>	Relay	2 Relays Output (L1 & L2) <200W Each
<b>MOUNTING</b>	Junction Box	UK Standard



**Terre 4G Touch Switch**

<b>TOUCH</b>	Active Area	1.5"
	Touch Type	Capacitive
<b>INPUT</b>	Temp Sensor	Resistive Temp. Sensor
	Touch Buttons	4 Control Buttons
<b>OPERATION</b>	Backlit	LED Indicators
	TIS BUS	TIS Protocol Messages and Commands
	Upgrading	By Rs485 Upgrading Kit
<b>MOUNTING</b>	Junction Box	EU, UK Standard



**Saturn 57 Smart Wall Panel**

<b>LCD</b>	LCD	TFT
	Size	5.7"
	Resolution	1280x640
<b>TOUCH</b>	Type	Capacitive
	TP Type	G+F 5 Points
	Multitouch	5 Points
<b>INPUT</b>	Power	24VDC / 0.5A
	PoE	YES, 802.3 af Compatible
<b>MOUNTING</b>	Junction Box	US, EU, UK Standard



**Terre Audio Control Panel**

<b>LCD</b>	LCD	OLED
	Size	0.9"
<b>TOUCH</b>	Active Area	1.5"
	Touch Type	Capacitive
<b>OPERATION</b>	Touch Buttons	8 Control Buttons
	Backlit	LED Indicators
	TIS BUS	TIS Protocol Messages and Commands
	Upgrading	By Rs485 Upgrading Kit
<b>MOUNTING</b>	Junction Box	EU, UK Standard



**Saturn 133 Wall Touch Panel**

<b>LCD</b>	Screen	13.3"
	Resolution	1920x1080
	Contrast	1000:1
	Brightness	300cdm2
<b>TOUCH</b>	Type	Capacitive
	TP Type	G+F 5 Points
	Multitouch	5 Points
<b>INPUT</b>	RJ-45 x 1	Standard
	DC	Input 12VDC / 2A
<b>WIFI</b>		802.11 b/g/n



**Terre Wall Touch Thermostat**

<b>LCD</b>	LCD	OLED
	Size	0.9"
<b>TOUCH</b>	Active Area	1.5"
	Touch Type	Capacitive
<b>INPUT</b>	Temp sensor	Resistive Temp. Sensor
	Touch Buttons	4 Control Buttons
<b>OPERATION</b>	Backlit	LED Indicators
	TIS BUS	TIS Protocol Messages and Commands
	Upgrading	By Rs485 Upgrading Kit
<b>MOUNTING</b>	Junction Box	EU, UK Standard





Mercury Thermostat with 4 Scene Buttons

	LCD	TFT
<b>LCD</b>	Size	2"
	Resolution	480x480
<b>TOUCH</b>	Type	Capacitive For Thermostat Operation
<b>OPERATION</b>	Push Buttons	4 Push Buttons with White / Orange LEDs
	Backlit	2 Backlit Indicators
	TIS BUS	TIS Protocol Messages and Commands
<b>INPUT</b>	Using Panel Addition	Resistive Temp. Sensor
		3 Digital Input
	Using Panel Addition 3R	3 Relay Output 3A / 5A
<b>MOUNTING</b>	Junction Box	EU, UK Standard



Mercury 8G

	Push Buttons	8 Push Buttons with White / Orange LED
<b>OPERATION</b>	Backlight	White Backlit Indicators
	TIS BUS	TIS Protocol Messages and Commands
<b>FUNCTIONS</b>	Single Press	ON/OFF/Scene
	Long Press	Dim or Ramp the Lights
	Double Click	Extra Scene
<b>INPUT</b>	Using Panel Addition	2-3 Digital Input
<b>OUTPUT</b>	Using Panel Addition 3R	3 Relay Output 3A / 5A
<b>MOUNTING</b>	Junction Box	EU, UK Standard



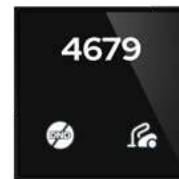
Mercury Card Holder

	Card Switch	Card RF Reader
<b>OPERATION</b>	TIS BUS	TIS Protocol Messages and Commands
	Upgrading	By Rs485 Upgrading Kit
<b>FUNCTIONS</b>	CARD Switch	To Indicate Occupancy and Activate Lights
<b>INPUT</b>	RF Card Reader	MIFARE RF Type
<b>MOUNTING</b>	Junction Box	EU, UK Standard



Mercury Hotel Panel with RF

<b>FUNCTIONS</b>	Hotel Service Indicators	2 Backlit
	RFID	Access Control
<b>INPUT</b>	RF Card Reader	MIFARE RF Type
	Using Panel Addition	3 Digital Inputs
<b>OUTPUT</b>	Using Panel Addition	1 Relay Output 2A / 12V
<b>MOUNTING</b>	Junction Box	EU, UK Standard



Mercury Hotel Panel

<b>FUNCTIONS</b>	Hotel Service Indicators	2 Backlit
	Room Number	White Backlit
<b>INPUT</b>	Using Panel Addition	3 Digital Inputs
<b>OUTPUT</b>	Using Panel Addition	1 Relay Output 2A / 12V
<b>MOUNTING</b>	Junction Box	EU, UK Standard



Mercury Panel Addition

	Number of Channels	3
<b>INPUT</b>	Input Type	Digital Input. Open / Close
	Length of Connected Cable	< 350 Meter
<b>FUNCTIONS</b>	Digital Input Open	20 Commands
	Digital Input Close	20 Commands
	Revers Control	1 Command
<b>MOUNTING</b>	Behind the Panel	Attach to the Back of Mercury Panels



Sol LCD

<b>LCD</b>	Size	2"
	Resolution	240*320 Pixels
	Brightness	1500 cd/m <sup>2</sup>
	Viewing Angle	~ 65°
<b>TOUCH</b>	Type	Capacitive
	Active Area	2.4"
<b>INPUT</b>	Temp. Sensor	Resistive Temp. Sensor
<b>OUTPUT</b>		3 Relay Outputs 5A
<b>MOUNTING</b>	Junction Box	EU, UK Standard



Sol 3 Gang Touch Switch

<b>TOUCH</b>	Type	Capacitive
	Active Area	3 Buttons
<b>FUNCTIONS</b>	Single Press	ON/OFF/Scene
	Long Press	Adjust Lights Brightness
	Double Click	Extra Scene
<b>OUTPUT</b>	Relay Switch	3 Relay Outputs 5A
<b>MOUNTING</b>	Junction Box	EU, UK Standard



Mars AC 10 Gang

<b>DISPLAY</b>	OLED	0.9"
<b>OPERATION</b>	Push Buttons	12 Push Buttons with White / Orange LED
	Backlight	White Backlit Indicators
	TIS BUS	TIS Protocol Messages and Commands
<b>FUNCTIONS</b>	Single Press	ON/OFF/Scene
	Long Press	Dim or Ramp the Lights
	Double Click	Extra Scene
<b>INPUT</b>	Using Panel Addition	2-3 Digital Input
<b>OUTPUT</b>	Using Panel Addition 3R	3 Relay Outputs 3A / 5A
	Using Panel Addition 3DL-12V	12V DC 50mA Output
	Using Panel Addition 2DL-IRE	IR Emitter
<b>MOUNTING</b>	Junction Box	EU, UK, US Standard



Mars 4-8 Gangs

<b>OPERATION</b>	Push Buttons	4/8 Push Buttons with White / Orange LED
	Backlight	White Backlit Indicators
	TIS BUS	TIS Protocol Messages and Commands
<b>FUNCTIONS</b>	Single Press	ON/OFF/Scene
	Long Press	Dim or Ramp the Lights
	Double Click	Extra Scene
<b>INPUT</b>	Using Panel Addition	2-3 Digital Input
<b>OUTPUT</b>	Using Panel Addition 3R	3 Relay Outputs 3A / 5A
	Using Panel Addition 3DL-12V	12VDC 50mA Output
	Using Panel Addition 2DL-IRE	IR Emitter
<b>MOUNTING</b>	Junction Box	EU, UK, US Standard



Click Switch

<b>OPERATION</b>	Push Buttons	1/2/3/4/6 Push Buttons with White / Orange LED
	TIS BUS	TIS Protocol Messages and Commands
<b>FUNCTIONS</b>	Single Press	ON/OFF/Scene
	Long Press	Dim or Ramp the Lights
	Double Click	Extra Scene
<b>MOUNTING</b>	Junction Box	UK standard



Click Thermostat

<b>LCD</b>	Size	2"
<b>OPERATION</b>	Push Buttons	4 Push Buttons
	TIS BUS	TIS Protocol Messages and Commands
<b>INPUT</b>	Temp. Sensor	Resistive temp. Sensor
<b>MOUNTING</b>	Junction Box	UK Standard



Panel Addition 2 Digital Inputs with Infrared Emitter

<b>INPUT</b>	Number of Channels	2
	Input Type	Digital Input. Open / Close
	Length of Connected Cable	< 350 meter
<b>OUTPUT</b>	IR Emitter Peak Wave Length	940 nm
	Radiated Emission Power (Φe)	2,4 mW
	Length of Connected Cable	< 5 meters
<b>MOUNTING</b>	Behind the Panel	Attach to the Back of TIS Panels Including Luna, IO, Mars, Terre-A Fits Into All Standard Back Boxes



Panel Addition 2 Digital Inputs with Infrared Receiver

<b>INPUT</b>	Number of Channels	2
	Input Type	Digital Input. Open / Close
	Length of DI Connected Cable	< 350 Meters
<b>FUNCTIONS</b>	IR Receiver Connected Cable	Length < 5 Meters
	Digital Input Open	20 Commands
	Digital Input Close	20 Commands
<b>MOUNTING</b>	Revers Control	1 Command
	Behind the Panel	Attach to the Back of TIS Panels Including Luna, IO, Mars, Terre-A Fits Into All Standard Back Boxes



Panel Addition 3 Digital Inputs with 12V Power Supply

<b>INPUT</b>	Number of Channels	3
	Input Type	Digital Input. Open / Close
	Length of Connected Cable	< 350 Meter
<b>OUTPUT</b>	Low Voltage	12VDC 100mA
	Digital Input Open	20 Commands
	Digital Input Close	20 Commands
<b>MOUNTING</b>	Revers Control	1 Command
	Behind the Panel	Attach to the Back of TIS Panels Including Luna, IO, Mars, Terre-A Fits Into All Standard Back Boxes



Panel Addition Three-Channel Coupler

<b>FUNCTIONS</b>	3 Separate Channels	For Incandescent Lamps (200 Watts)
	Simple FCU Function	Cool, Heat, Fan Outputs
	Fan Speed Control	Low, Medium, High Outputs
	Motor and Lighting	Ch1 & Ch2 as Open / Close Interlocked, Ch3 to Work Independently
<b>OUTPUT</b>	Number of Channels	3
	Nominal Voltage	0-230VAC 50/60 Hz
	Low Current	5A / 28VDC
	Lighting Incandescent Lamp	4A / 230VAC
	Motors / Air conditioning	3A / 230VAC
<b>MOUNTING</b>	LED and CFL Lamp	1A / 230VAC
	Behind the Panel	Attach to the Back of TIS Panels Including Luna, IO, Mars, Terre-A Fits Into All Standard Back Boxes



ADS RELAY SWITCH Controller Module with Three Relays

<b>OUTPUT SWITCHING CURRENT</b>	Max Switching Current	10A / 230VAC Resistive
	Max Continues Current	6A / 230VAC fluorescent
	Max. Switching Voltage	277VAC / 30VDC
<b>OUTPUT</b>	Number of Relays	3
	Nominal Voltage	0-230VAC 50/60 Hz
	Nominal Current per Channel	8A / 230VAC
<b>MOUNTING</b>	Free Locate	Can be Installed Anywhere
	<b>OUTPUT SERVICE LIFE</b>	Mechanical Endurance



Power Relay 6 Channels 5 Amps

<b>OUTPUT</b>	Number of Channels	6
	Nominal Voltage	0 - 230VAC 50/60 Hz
	Nominal Current per Channel	5A
	Low Current	4A
	Lighting Incandescent Lamp	3A
<b>FUNCTION</b>	Motors / Air Condition	1A
	LED and CFL Lamp	6 Separately Controllable Channels
	Lighting Control ON/OFF	Can Set 3 Groups of Curtains (Open/Close)
<b>OUTPUT SERVICE LIFE</b>	Motor Setting	Can Set 2 Groups of Fans (Low, Med, High)
	Fan Speed Control	> 5,000,000 Times
<b>MOUNTING</b>	Mechanical Service Life	Din Rail
	Standard 35 mm Din Rail	Screw Holder on the Back of the Module



### Relay Module with 4 Channels

	Number of Channels	4
<b>OUTPUT SWITCHING VOLTAGE</b>	Nominal Voltage	0-230VAC 50/60 Hz
	Max Switching Voltage	440VAC / 125VDC
<b>OUTPUT SWITCHING CURRENT</b>	Nominal Current per Channel	10A
	Maximum Total Channel Load	40A
	Max Switching Current	16A Resistive, 8A Florescent
	Max Continuous Current	10A VAC
<b>OUTPUT SERVICE LIFE</b>	Mechanical Service Life	> 10,000,000 Times
<b>REACTION TIME</b>		Approx. 20ms
<b>MOUNTING</b>	Din Rail	Standard 35 mm Din Rail
	Wall Mount	Screw Holder on the Back of the Module



### Relay Module with 8 Channels

	Number of Channels	8
<b>OUTPUT SWITCHING VOLTAGE</b>	Nominal Voltage	0 – 230VAC 50/60 Hz
	Max Switching Voltage	440VAC
<b>OUTPUT SWITCHING CURRENT</b>	Nominal Current per Channel	16A
	Maximum Total Channel Load	128A
	Max Switching Current	50A Resistive, 20A Florescent
	Max Continuous Current	20A VAC
<b>OUTPUT SERVICE LIFE</b>	Mechanical Service Life	> 10,000,000 Times
<b>REACTION TIME</b>		Approx. 20ms
<b>MOUNTING</b>	Din Rail	Standard 35 mm Din Rail
	Wall Mount	Screw Holder on the Back of the Module



### Power Relay 12 Channels 10 Amps

	Number of Channels	12
<b>OUTPUT</b>	Nominal Voltage	0 – 230VAC 50/60 Hz
	Max Switching Voltage	440VAC / 125VDC
<b>FUNCTION</b>	Lighting Control ON/OFF	12 Individual Channels
	Curtain Control	Can Set 6 Groups of Curtains (Open/Close)
	Fan Speed Control	Can Set 4 Groups of Fans (Low, Med, High)
	Scenes Sequences	12 Different Scenarios 12 Different Sequences
<b>OUTPUT SERVICE LIFE</b>	Mechanical Service Life	> 5,000,000 Times
<b>MOUNTING</b>	Din Rail	Standard 35 mm Din Rail
	Wall Mount	Screw Holder on the Back of the Module
<b>REACTION TIME</b>		Approx. 20ms



### Room Controller Unit 8CH Output / 8Ch Output Input

<b>INPUT</b>	Number of Channels	8
	Input Type	Digital Input. Open / Close
<b>OUTPUT SWITCHING VOLTAGE</b>	Number of Channels	8
	Nominal Voltage	0-230VAC 50/60 Hz
	Max. Switching Voltage	440VAC / 125VDC
	Analog Output	Ch8 Include 0-10V Output for Dimming
<b>OUTPUT SWITCHING CURRENT</b>	Nominal Current per Channel	Ch1 20A, Ch 2-8 10 A
	Maximum Total Channels Load	90 A
	Max Switching Current	16A Resistive, 8A Florescent
	Max Continues Current	10A VAC
<b>OUTPUT SERVICE LIFE</b>	Mechanical Service Life	> 10,000,000 Times
<b>REACTION TIME</b>		Approx. 20ms
<b>MOUNTING</b>	Din Rail	Standard 35 mm Din Rail
	Wall Mount	Screw Holder on the Back of the Module



### Room Controller Unit 24CH Output / 20Ch Input

<b>INPUT</b>	Number of Channels	20
	Input Type	Digital Input. Open / Close
<b>OUTPUT SWITCHING VOLTAGE</b>	Number of Channels	24
	Nominal Voltage	0 – 230VAC 50/60 Hz
	Max. Switching Voltage	440VAC / 125VDC
<b>OUTPUT SWITCHING CURRENT</b>	Nominal Current per Channel	Ch.1-12:10A, Ch. 13-24: 5A
	Maximum Total Channels Load	180A / 230
	Max Switching Current	Ch. 1-12: 16A, Ch. 13-24: 6A
	Max Continues Current	Ch. 1-12: 10A, Ch. 13-24: 5A
<b>OUTPUT SERVICE LIFE</b>	Mechanical Service Life	> 10,000,000 Times
<b>REACTION TIME</b>		Approx. 20ms
<b>MOUNTING</b>	Din Rail	Standard 35 mm Din Rail
	Wall Mount	Screw Holder on the Back of the Module



### Room Controller Unit 20CH Output / 20Ch Input with Ethernet

<b>INPUT</b>	Number of Channels	20
	Input Type	Digital Input. Open / Close
<b>OUTPUT SWITCHING VOLTAGE</b>	Number of Channels	20
	Nominal Voltage	0 – 230VAC 50/60 Hz
	Max. Switching Voltage	440VAC / 125VDC
<b>OUTPUT SWITCHING CURRENT</b>	Nominal Current per Channel	10A
	Maximum Total Channels Load	200A
	Max Switching Current	16A Resistive, 8A Florescent
	Max Continues Current	10A VAC
<b>OUTPUT SERVICE LIFE</b>	Mechanical Service Life	> 10,000,000 Times
<b>PORTS</b>	RJ45	Ethernet UDP-TCP/IP Connection
<b>REACTION TIME</b>		Approx. 20ms
<b>MOUNTING</b>	Din Rail	Standard 35 mm Din Rail
	Wall Mount	Screw Holder on the Back of the Module



## 2CH Leading Edge Dimmer

<b>OUTPUT</b>	Number of Channels	2
	Nominal Voltage	110VAC / 230VAC 50/60 Hz
	Nominal Current per Channel	6A
Maximum Total Channel Load		10A
<b>FUNCTIONS</b>	Lighting Control Dimming	2 Separately Controllable Channels
	Scenes	4 Different Scenarios
	Sequences	6 Different Sequences
<b>REACTION TIME</b>	Approx. 20ms	
<b>MOUNTING</b>	Din Rail	Standard 35 mm Din Rail
	Wall Mount	Screw Holder on the Back of the Module



## 4CH Leading Edge Dimmer

<b>OUTPUT</b>	Number of Channels	4
	Nominal Voltage	110VAC / 230VAC 50/60 Hz
	Nominal Current per Channel	3A
Maximum Total Channel Load		10A
<b>FUNCTIONS</b>	Lighting Control Dimming	4 Separately Controllable Channels
	Scenes	8 Different Scenarios
	Sequences	6 Different Sequences
<b>REACTION TIME</b>	Approx. 20ms	
<b>MOUNTING</b>	Din Rail	Standard 35 mm Din Rail
	Wall Mount	Screw Holder on the Back of the Module



## 6CH Leading Edge Dimmer

<b>OUTPUT</b>	Number of Channels	6
	Nominal Voltage	110VAC / 230VAC 50/60 Hz
	Nominal Current per Channel	2A
Maximum Total Channel Load		10A
<b>FUNCTIONS</b>	Lighting Control Dimming	6 Separately Controllable Channels
	Scenes	12 Different Scenarios
	Sequences	6 Different Sequences
<b>REACTION TIME</b>	Approx. 20ms	
<b>MOUNTING</b>	Din Rail	Standard 35 mm Din Rail
	Wall Mount	Screw Holder on the Back of the Module



## 2CH Trailing Edge Dimmer

<b>OUTPUT</b>	Number of Channels	2
	Nominal Voltage	110VAC / 230VAC 50/60 Hz
	Nominal Current per Channel	3A
Maximum Total Channel Load		3A
<b>FUNCTIONS</b>	Lighting Control Dimming	2 Separately Controllable Channels
	Scenes	2 Different Scenarios
	Sequences	2 Different Sequences
<b>REACTION TIME</b>	Approx. 20ms	
<b>MOUNTING</b>	Din Rail	Standard 35 mm Din Rail
	Wall Mount	Screw Holder on the Back of the Module



## 4CH Trailing Edge Dimmer

<b>OUTPUT</b>	Number of Channels	4
	Nominal Voltage	110VAC / 230VAC 50/60 Hz
	Nominal Current per Channel	1.5A
Maximum Total Channel Load		1.5A
<b>FUNCTIONS</b>	Lighting Control Dimming	4 Individual Channels
	Scenes	4 Different Scenarios
	Sequences	4 Different Sequences
<b>REACTION TIME</b>	Approx. 20ms	
<b>MOUNTING</b>	Din Rail	Standard 35 mm Din Rail
	Wall Mount	Screw Holder on the Back of the Module



## 6 Channel Ballast Controller 0-10V

<b>OUTPUT SWITCHING VOLTAGE</b>	Number of Channels	6
	Nominal Voltage	0 – 230VAC 50/60 Hz
	Max. Switching Voltage	440VAC / 125VDC
Analog Output		6 outputs 0-10V
<b>OUTPUT SWITCHING CURRENT</b>	Nominal Current per Channel	10A
	Maximum Total Channel Load	60A
	Max Switching Current	16A Resistive, 8A Florescent
Max Continuous Current		10A VAC
<b>OUTPUT SERVICE LIFE</b>	Mechanical Service Life	> 10,000,000 Times
<b>REACTION TIME</b>		Approx. 20ms
<b>MOUNTING</b>	Din Rail	Standard 35 mm Din Rail
	Wall Mount	Screw Holder on the Back of the Module



## Din-rail DMX Actuator

<b>PORTS</b>	DMX	Standard DMX Connection
<b>FUNCTION</b>	DMX	Numbers of Areas 24
		12 Scenes 16 Sequence
<b>REACTION TIME</b>		Approx. 20ms
<b>MOUNTING</b>	Din Rail	Standard 35 mm Din Rail
	Wall Mount	Screw Holder on the Back of the Module



## 64CH DALI Controller

<b>INPUT</b>	DALI	Standard DALI Connection Max 64 Units
<b>FUNCTION</b>	DALI	64 Programmable Addresses 16 Groups 16 Scenes
<b>REACTION TIME</b>		Approx. 20ms
<b>MOUNTING</b>	Din Rail	Standard 35 mm Din Rail
	Wall Mount	Screw Holder on the Back of the Module



## IR Emitter with Temperature Sensor

<b>INPUT</b>	1 Temp. Inputs	TIS Temp. Sensor
<b>OUTPUT</b>	IR Emitter Peak Wave Length	
	Radiated emission power (Φe) Length of Connected Wire	
<b>REACTION TIME</b>		Approx. 20ms
<b>MOUNTING</b>	Anywhere	With Two Screws



## 4 Analog Input Module 0-10V

<b>INPUT</b>	Number of Channels	4
	Input Type Length of Connected Cable	Analog Input. 0-10V < 350 meter
<b>FUNCTION</b>	Advanced Logic	Send Command if Digital Inputs Reach Value in Each Input
<b>REACTION TIME</b>		Approx. 20ms
<b>MOUNTING</b>	Anywhere	With Two Screws



## 4 Analog Input Module 4-10mA

<b>INPUT</b>	Number of Channels	4
	Input Type Length of Connected Cable	Analog Input. 4-20mA < 350 meter
<b>FUNCTION</b>	Advanced Logic	Send Command if Digital Inputs Reach Value in Each Input
<b>REACTION TIME</b>		Approx. 20ms
<b>MOUNTING</b>	Anywhere	With Two Screws



## 4X Temperature Sensor Inputs Module

<b>INPUT</b>	4x Temp. Inputs	TIS temp. Sensor or PTC1000 Sensor
<b>FUNCTION</b>	Temp. logic	Send Command if Temp. in Specific Range
<b>REACTION TIME</b>		Approx. 20ms
<b>MOUNTING</b>	Anywhere	With Two Screws



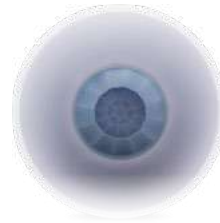
**Dry Input with 4 Zones**

<b>INPUT</b>	Number of Channels	4
	Input Type	Digital Input, Open / Close
	Length of Connected Cable	< 350 meter
<b>FUNCTION</b>	Digital Input Open	20 Commands
	Digital Input Close	20 Commands
	Revers Control	1 Command
<b>REACTION TIME</b>		Approx. 20ms
<b>MOUNTING</b>	Anywhere	With two screws



**Ceiling-mount Motion Detector**

<b>INPUT</b>	PIR Motion Sensor	Dual Element Pyro-Electric Ceramic
<b>FUNCTIONS</b>	Movement Logic	20 Commands on Movement Action
	No Movement Logic	20 Commands on No Movement Action
	Timer	No Movement Timer for Energy Efficiency
<b>REACTION TIME</b>		Approx. 20ms
<b>MOUNTING</b>	Ceiling Mount	With 2 Screws on the Base of the Sensor



**Energy Servant Sensor**

<b>INPUT</b>	PIR Motion Sensor	Dual Element Pyro-Electric Ceramic
	Digital Input, Open / Close	2 Channels
	Length of Connected Cable to DI	< 350 meter
	Light Intensity Sensor	0 – 8000 Lux Meter
	IR Receiver	TIS Infrared Code Receiver
<b>OUTPUT</b>	Temp Sensor	Temp Resistance Sensor
	Infrared Transmitters	6 Probes to Cover 360 Degree
<b>REACTION TIME</b>	DC Output	12VDC / 50mA
		Approx. 20ms
<b>MOUNTING</b>	Ceiling Mount	2 Screws on the Base of the Sensor



**Ceiling-mount Recessed Sensor**

<b>INPUT</b>	PIR Motion Sensor	Dual Element Pyro-Electric Ceramic
<b>FUNCTIONS</b>	PIR Range	4-6m (Installation Height 2.6 - 3m)
	PIR Detection Angle	110° From the Ceiling Down
	Timer	No Movement Timer for Energy Efficiency
<b>REACTION TIME</b>		Approx. 20ms
<b>MOUNTING</b>	Ceiling Mount	Flush Mount



**Health Sensor Ceiling Mount**

<b>INPUT</b>	PIR Motion Sensor	Dual Element Pyro-Electric Ceramic
	Volatile Organic Compound	Total VOC: 0 ppb -1000 ppb
	eCO2 Sensor	Sense from 400ppm – 5000 ppm
	Temp Sensor	Resistance Temp. Sensor Range -40 to 80 C
	Humidity Sensor	Sense the Range of 0 -99.9%
<b>FUNCTION</b>	Digital Input, Open / Close	3 Channels
	Length of Connected Cable to DI	< 350 Meter
	Light Intensity Sensor	0 – 8000 Lux Meter
	Microphone Sensor	Sense Noise in Room
<b>REACTION TIME</b>	Logic / Timers	32 Timers and Logic Conditions
	Security Function	Away, Night, Day, Fire Alarm Setting
<b>MOUNTING</b>	Ceiling Mount	With 2 Screws on the Base of the Sensor



## Security Module

<b>SECURITY</b>	Levels	Vacation, Away, Night, Day, Disarm
	Arming Commands	20 for Each Level
	Alarm Commands	20 for Each Alarm Type
	Extra Alarms	Panic, Blackout, Freezing Temperature, 3 Addressable Channels. (Burglary, Fire, Buzzer)
<b>FUNCTION</b>	Sirens and Buzzer	
	Other Functions	Auto Arm/Disarm, Entry / Exit Delay, Dial Out Time, Zone Auto Bypass, Duress Alarm
<b>REACTION TIME</b>		Approx. 30ms
<b>MOUNTING</b>	Din Rail	Standard 35 mm Din Rail
	Wall Mount	Screw Holder on the Back of the Module



## Automation Timer Module with Logic Programmability

<b>LOGIC</b>	Conditions Links	AND, OR, NAND, NOR
	Programming Sections	12
	Table in Each Sections	20
	Pins of Table	4
<b>FUNCTION</b>	Conditions Type	If "Year, Month, Week, Day, Time, Channel, Curtain, Universal Switch, Security, Flag Switch"
	Commands	10 commands per Table
<b>REACTION TIME</b>	Advanced Timer	Longitude latitude info, sunset sunrise Calculation Setting
		Approx. 30ms
<b>MOUNTING</b>	Din Rail	Standard 35 mm Din Rail
	Wall Mount	Screw Holder on the Back of the Module



## RS232/RS485 Gateway

<b>INPUT</b>	RS232	RS232 ASCII / HEX 2 Way Connection
	RS485	Modbus, RS485 ASCII / HEX 2 Way Connection
<b>FUNCTION</b>	3rd Party Integration	Integrate to Modbus RTU, Dynalite, Intises Box, Cool Automation, UPB PCS, Jablutron, etc...
<b>MOUNTING</b>	Din Rail	Standard 35 mm Din Rail
	Wall Mount	Screw Holder on the Back of the Module



## AUDIO PLAYER DIN-RAIL Amplifier

<b>INPUT</b>	USB Slot / SD Card Slot	To Play mp3 Tracks from SD Card (Class4 Recommended)
	Auxiliary 1	Screw terminal 0.2...2 mm2
	Auxiliary 2	Screw terminal 0.2...2 mm2
	FM Radio	FM Radio IC with Antenna
<b>OUTPUT</b>	Stereo amplified output	2.25 Watt / 8ohms
	Auxiliary output	Variable Stereo RCA Plug Output
<b>REACTION TIME</b>		Approx. 20ms
<b>MOUNTING</b>	Din Rail	Din Rail Standard



## Matrix Switcher 4x4 AV Streamer

<b>INPUT</b>	Input Video Signal	0.5-1.0 volts p-p
	Input DDC Signal	5 volts p-p (TTL)
	Ports	RS-232
<b>FUNCTION</b>	HDCCP Compliant	HDCCP2.2 and HDCCP1.4
	Output Video	HDMI2.0 and HDMI 1.4
<b>OPERATION</b>	Bandwidth	18Gbit/s
	Video Format Supported	4K@60Hz, YUV4:4:4 4k@30Hz/1080P/1080i/720P/576P/480P/576i/480i





## HVAC Controller Smart Heating & Ventilation System

<b>OUTPUT</b>	Number of Channels	6
	Nominal Voltage	0 – 230VAC 50/60 Hz
<b>OUTPUT SERVICE LIFE</b>	VAV Outputs	> 5,000,000 Times
	Mechanical Service Life	> 5,000,000 Times
<b>REACTION TIME</b>		Approx. 20ms
<b>MOUNTING</b>	Din Rail	Standard 35 mm Din Rail
	Wall Mount	Screw Holder on the Back of the Module



## 32 Indoor unit VRF Controller

<b>PORTS</b>	Ethernet	For Web Configuration, Testing and Online Upgrade
	TIS-BUS	Connection TIS System
	RS485 A1 B1	Modbus RTU Connection
	RS485 A2 B2	ASCII Protocol for 3 <sup>rd</sup> Party Integration
<b>FUNCTION</b>	Micro USB	Special Upgrade
	VRF Control for many brands	AC Integration with the Major AC manufactures Such as Daikin, LG, SUMSUNG, TUSHIBA, MITSUBISHI, York Panasonic, Gree, Hitachi, Carrier, Hisense, Haier, Midea, York, Bosch, Oaks, Chigo, Tianjia, Trane, McQuay etc.
<b>MOUNTING</b>	Din Rail	Standard 35 mm Din Rail
	Wall Mount	Screw Holder on the Back of the Module



## Duct Split AC Gateway

<b>POWER SUPPLY</b>		Air Conditioner Internal unit supplies Power
<b>INSTALLATION METHOD</b>		Wall Mount or Table Top
<b>OUTPUT POWER</b>		7~15VDC, 0.7W(MAX)
<b>FUNCTION</b>	Control Digital AC	AC integration with Daikin, Hitachi, Hisense, York, TOSHIBA, Panasonic, Gree, Haier, Media , MITSUBISHI and Carrier.



## IP Gateway with RS232/RS485 Ports

<b>INPUT</b>	RS232	RS232 ASCII / HEX 2 Way Connection
	RS485	Modbus, RS485 ASCII / HEX 2 Way Connection
	RJ45	Ethernet UDP - TCP/IP Connection
<b>FUNCTION</b>	3rd Party Integration	Integrate to Modbus RTU, Dynalite, Intises Box, Cool Automation, UPB PCS, Jablutron, etc...
<b>MOUNTING</b>	Din Rail	Standard 35 mm Din Rail
	Wall Mount	Screw Holder on the Back of the Module



## KNX Standard Communicator

<b>INPUT</b>	KNX	KNX Network 2 Wires Connection
	TIS	TIS-BUS (RS485) 4 Wires Connection
<b>FUNCTION</b>	TIS->KNX	Control Lights ON/OFF, Dimmer and Shutter
	KNX->TIS	Control Lights ON/OFF, Dimmer, Shutter, Infrared and Air Condition
<b>REACTION TIME</b>		Approx. 40ms
<b>MOUNTING</b>	Din Rail	Standard 35 mm Din Rail



## Thermostatic Radiator Valve & TIS-BUS Gateway

<b>RF SIGNAL</b>	RF Signal	863 MHZ
<b>CONNECTION TERMINAL</b>	Data / BUS	Connectors Link
<b>FUNCTION</b>		Support 16X TRVs
<b>REACTION TIME</b>		Approx. 20ms
<b>MOUNTING</b>	Din Rail	35mm Din Rail



### Weather Station

<b>TEMP. MEASURING</b>	Range	-30°C - 60°C
	Accuracy	+/- 1°C
<b>HUMIDITY MEASURING</b>	Range	10%~99%
	Accuracy	+/- 5%
<b>RAIN VOLUME DISPLAY</b>	Range	0 – 9999mm
	Accuracy	+/- 10%
<b>WIND SPEED</b>	Range	0-50m/s (0~100mph)
	Accuracy	+/- 1m/s (Wind Speed<5m/s)
<b>BRIGHTNESS</b>	Range	0-400000 Lux
	Accuracy	+/- 15%
<b>MOUNTING</b>	Outdoors	Special Tool for Roof Installation



### Modular Single-Phase Power Meter

<b>INPUT</b>	Voltage AC (Un)	176-276VAC / 80-140VAC (optional)
	Base Current (Ib)	10A
	Max. Current (I <sub>max</sub> )	100A
	Min. Current (I <sub>min</sub> )	0.5 A
	Power Consumption	<2W / 10VA
<b>DISPLAY</b>	Frequency	50/60Hz(±10%)
	LCD	LCD with Blue Backlit
<b>REACTION TIME</b>	Max. Reading	99999.99kWh
		Approx. 20ms
<b>MOUNTING</b>	Din Rail	Standard 35 mm Din Rail



### Smart Water Meter

<b>PROTECTION</b>	Bus Pin ESD Protection	Exceeds 10kV
	Short Circuit Current Limit	
<b>COMMUNICATION</b>	Protection Against Faults	Open Circuit, Short Circuit and Idle BUS
	Communication With Host Computer	RS-485, M-BUS, Fieldbus
<b>DIMENSTIONS</b>	Communication Transmission Rate	2400 BPS
	Communication Transmission Max. Distance	1200m
<b>DIMENSTIONS</b>	Length x Width x Height	165mm x 90mm x 120mm (DN 15mm)
		195mm x 90mm x 120mm (DN 20mm)
		225mm x 90mm x 120mm (DN 25mm)



Horizontal Curtain Motor

<b>INPUT</b>	Input Voltage	100-220VAC 50/60 HZ
	Operating Voltage	24VDC
	Current Rating	0.8-1A
	Rated Power	24W
<b>FUNCTION</b>		Open / Close / Stop
<b>REACTION TIME</b>		Approx. 40ms
<b>MOUNTING</b>		By Hook on the Rail Head



Roller Motor

<b>INPUT</b>	Input Voltage	230VAC 50 HZ
	Current Rating	<0.5A
	Rated Power	120W
<b>FUNCTIONS</b>	Memory	Programmable Open / Close / Stop Positions
<b>REACTION TIME</b>		Approx. 20ms
<b>MOUNTING</b>		Inside the Roller Tube



Smart Handheld Controller

<b>REMOTE TYPE</b>	Infrared Emitter	
<b>FUNCTION</b>	Single Press	ON/OFF
	Long Press	Dim or Ramp the Lights Using Buttons 1-12
	Long Press 3 Seconds	Arm button for Activating the Alarm
<b>BATTERY</b>	AAA Battery	2x Batteries
<b>MOUNTING</b>		By Hook on the Rail Head



24-V DC Power Supply Module

<b>INPUT</b>	Input Voltage	110VAC / 240 VAC 50/60 Hz
<b>OUTPUT</b>	Output Power	60W / 24VDC
<b>REACTION TIME</b>		Approx. 20ms
<b>MOUNTING</b>	Din Rail	Standard 35 mm Din Rail
	Wall Mount	Screw Holder on the Back of the Module



Din-Rail Space-Saving Cable Manager

<b>CONNECTION TERMINAL</b>	Data / BUS	6 Female Connectors
<b>MOUNTING</b>	Din Rail	Standard 35 mm Din Rail
	Wall Mount	Screw Holder on the Back of the Module



IR Learner

<b>INPUT</b>	USB	Type B
<b>REACTION TIME</b>		Approx. 20ms
<b>FUNCTION</b>		Learn IR



### Venera Thermostat, 3 Relays High Voltage

<b>OUTPUT</b>	Number of Channels	3 Relays for Cool, Heat and Fan Control or 3 Fan Speed
	Nominal Voltage	110–230VAC 50/60 Hz
	Nominal Current per Channel	8A / 230VAC
<b>OUTPUT SWITCHING CURRENT</b>	Max. Continues Current	8A / 230VAC
	Max. Switching Voltage	277VAC / 30VDC
<b>OUTPUT SERVICE LIFE</b>	Mechanical Endurance	> 10,000,000 OPS
<b>MOUNTING</b>	Wall Mount	To US, EU, UK, IT Junction Boxes
<b>REACTION TIME</b>		approx. 30ms



### Venera Thermostat, 4 Relays high Voltage

<b>OUTPUT</b>	Number of Channels	4 Relays for Cool or Heat with Fan Speed Control
	Nominal Voltage	110–230VAC 50/60 Hz
	Nominal Current per Channel	3A / 230VAC
<b>OUTPUT SWITCHING CURRENT</b>	Max. Continues Current	3A / 230 VAC
	Max. Switching Voltage	277VAC / 30VDC
<b>OUTPUT SERVICE LIFE</b>	Mechanical Endurance	> 10,000,000 OPS
<b>MOUNTING</b>	Wall Mount	US, EU, UK, IT Junction Boxes
<b>REACTION TIME</b>		Approx. 30ms



### Venera Thermostat, 5 Relays Low Voltage

<b>OUTPUT</b>	Number of Channels	5 Relays for Cool, Heat and Fan Speed Control
	Nominal Voltage	24VAC
	Nominal Current per Channel	1A / 24VAC
<b>OUTPUT SWITCHING CURRENT</b>	Max. Continues Current	1A / 24VAC
	Max. Switching Voltage	30VAC / 30VDC
<b>OUTPUT SERVICE LIFE</b>	Mechanical Endurance	> 10,000,000 OPS
<b>MOUNTING</b>	Wall Mount	US, EU, UK, IT Junction Boxes
<b>REACTION TIME</b>		Approx. 30ms



### Venera Series Touch Wall Switch 4 Gang

<b>OUTPUT</b>	Number of Channels	4
	Nominal Voltage	110VAC / 230 VAC 50/60 Hz
	Nominal Current per Channel	3A / 230VAC
<b>OUTPUT SWITCHING CURRENT</b>	Max Switching Current	3A / 230VAC
	Max Continues Current	2A / 230VAC
<b>OUTPUT SERVICE LIFE</b>	Mechanical Endurance	> 5,000,000 OPS
<b>MOUNTING</b>	Wall Mount	US, EU, UK, IT Junction Boxes
<b>REACTION TIME</b>		Approx. 30ms



### Venera Series Touch Wall Switch 3-2 Gang

<b>OUTPUT</b>	Number of Channels	3-2
	Nominal Voltage	110VAC / 230VAC 50/60 Hz
	Nominal Current per Channel	8A / 230VAC
<b>OUTPUT SWITCHING CURRENT</b>	Max. Switching Current	10A / 230VAC Resistive
	Max. Continues Current	6A / 230VAC Florescent
	Max. Switching Voltage	8A / 230VAC 277VAC / 30VDC
<b>OUTPUT SERVICE LIFE</b>	Mechanical Endurance	> 10,000,000 OPS
<b>MOUNTING</b>	Wall Mount	US, EU, UK, IT Junction Boxes
<b>REACTION TIME</b>		Approx. 30ms



### Wi-Fi Dimmer Module

<b>OUTPUT</b>	Number of Channels	1
	Nominal Voltage	110VAC / 230VAC 50/60 Hz
	Nominal Current per Channel	
	Lighting Incandescent Lamp	500 Watts
<b>PROTECTION</b>	LED (Dimmable)	300 Watts
	CFL (Dimmable)	300 Watts
<b>REACTION TIME</b>	Internal Protection Fuse	
<b>MOUNTING</b>	Approx. 30ms	
	Free Locate	Can be Installed Anywhere



### Wi-Fi 2 Relay output and 2 Dry inputs

<b>INPUT</b>	Number of Channels	2
	Input Type	Digital Input. Open / Close
<b>OUTPUT</b>	Number of Relays	2
	Nominal Voltage	Free Voltage
	Nominal Current per Channel	3A / 230VAC
<b>Output switching current</b>	Max Switching Current	3A / 230VAC Resistive
	Max Continues Current	2A / 230VAC Florescent
	Max Switching Voltage	3A / 230VAC 230VAC / 30VDC
<b>Reaction time</b>		Approx. 30ms
<b>Mounting</b>	Free Locate	Can be Installed Anywhere
<b>Output service life</b>	Mechanical Endurance	> 10,000,000 OPS



### Wi-Fi Controller with 3 Dry Inputs

<b>INPUT</b>	Input Voltage	110-230VAC 50/60 Hz
	Output Power	3W / 12VDC
<b>OPERATION</b>	Digital Inputs	3 Dry Inputs for Lights Control
	TIS AIR	TIS Protocol Messages & Commands
<b>REACTION TIME</b>	PRG Button with LED	For Programming
	Upgrading	Over WIFI Connection
<b>MOUNTING</b>	Free locate	Can be Installed Anywhere



### Wi-Fi RGBW Color Controlling Module

<b>INPUT</b>	Input Voltage	12-32VDC
<b>OUTPUT</b>	Number of channels	4
	Voltage	0-10V for Signal Dimming
<b>TIS AIR</b>	WiFi Signal	2.4 GHz
	Protocol Standard	802.11 b/g/n
<b>REACTION TIME</b>		Approx. 30ms
<b>MOUNTING</b>	Free Locate	Can be Installed Anywhere
<b>OPERATION</b>	Digital Inputs	4 Dry Inputs for Control
	TIS AIR	TIS Protocol Messages and Commands
	PRG Button with LED	For Programming
	Upgrading	Over WIFI Connection



### Wi-Fi Controller with 2-3 Relay

<b>INPUT</b>	Number of Channels	2-3
	Input Type	Digital Input. Open / Close
<b>OUTPUT</b>	Number of Relays	2-3 (Refer to Model Number)
	Nominal Voltage	110VAC / 230VAC 50/60 Hz
	Nominal Current per Channel	8A / 230VAC
<b>OUTPUT SWITCHING CURRENT</b>	Max Switching Current	10A / 230VAC Resistive
	Max Continues Current	6A / 230VAC Florescent
	Max Switching Voltage	8A / 230VAC 277VAC / 30VDC
<b>REACTION TIME</b>		Approx. 30ms
<b>MOUNTING</b>	Free Locate	Can be Installed Anywhere
<b>OUTPUT SERVICE LIFE</b>	Mechanical Endurance	> 10,000,000 OPS



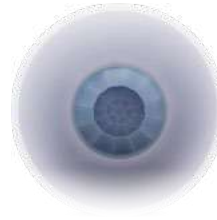
## Wi-Fi IR Emitter with Temperature Sensor

<b>POWER SUPPLY</b>	Input Voltage	80-240VAC 50/60 Hz
	Output Power	3W / 12V
	Protection	Internal Protection Fuse
	Current Consumption	10-30 mA / 12 VDC
<b>OUTPUT</b>	IR Emitter Peak Wave Length	940 nm
	Radiated Emission Power (Φe)	2,4 mW
	Length of Connected Wire	< 5 meters
<b>REACTION TIME</b>		Approx. 30ms
<b>MOUNTING</b>	Din Rail	Standard 35mm Din Rail



## Wi-Fi IR Emitter with Temperature Sensor & 2 Inputs

<b>INPUT</b>	Voltage	5 VDC (using USB charger)
	Temperature	Temp. sensor
	Digital Inputs	2xDigital Inputs
<b>OUTPUT</b>	IR Emitter Peak Wave Length	940 nm
	Radiated Emission Power (Φe)	2,4 mW
	Length of Connected Wire	< 5 meters
<b>REACTION TIME</b>		Approx. 30ms
<b>MOUNTING</b>	Din Rail	Standard 35mm Din Rail



## Wi-Fi Energy Servant Sensor

<b>INPUT</b>	PIR Motion Sensor	Dual Element Pyro-Electric Ceramic
	IR Receiver	TIS Infrared Code Receiver
	Temp Sensor	Resistance Temp. Sensor
<b>OUTPUT</b>	Light Intensity Meter	Detection Range 0-2000 Lux
	Infrared Transmitters	4 Probes to Cover 260 Degree
	Number of Channels	1
	Nominal Voltage	0-230VAC 50/60 Hz
<b>OUTPUT SWITCHING CURRENT</b>	Nominal Current per Channel	8 A / 230 VAC
	Max. Switching Current	10A / 230VAC Resistive
	Max. Continues Current	6A / 230VAC Florescent
	Max. Switching Voltage	8A / 230VAC 277VAC / 30VDC
<b>OUTPUT SERVICE LIFE</b>	Mechanical Endurance	> 10,000,000 OPS
	<b>MOUNTING</b>	Celling Mount With 2 Screws on the Base of the Sensor



## Wi-Fi Motion Sensor

<b>INPUT</b>	PIR Motion Sensor	Dual Element Pyro-Electric Ceramic
	Light Intensity Meter	Detection Range 0-2000 Lux
<b>OUTPUT</b>	Number of Channels	2
	Nominal Voltage	0-230VAC 50/60 Hz
	Nominal Current per Channel	8A / 230VAC
<b>OUTPUT SWITCHING CURRENT</b>	Max. Switching Current	10A / 230VAC Resistive
	Max. Continues Current	6A / 230VAC Florescent
	Max. Switching Voltage	8A / 230VAC 277VAC / 30VDC
<b>OUTPUT SERVICE LIFE</b>	Mechanical Endurance	> 10,000,000 OPS
	<b>MOUNTING</b>	Celling Mount With 2 Screws on the Base of the Sensor



### Wi-Fi Portable Power Outlet

<b>INPUT</b>	Input Voltage	110-230VAC 50/60 Hz
	Number of Channels	1
<b>OUTPUT</b>	Nominal Voltage	110 – 230 V AC 50/60 Hz
	Nominal Current per Channel	10 A / 230 VAC
<b>OUTPUT SWITCHING CURRENT</b>	Max. Switching Current	16A / 230VAC Resistive 8A / 230VAC Florescent
	Max. Continues Current	10A / 230VAC
	Max. Switching Voltage	440VAC / 125VDC
<b>OUTPUT SERVICE LIFE</b>	Mechanical Endurance	> 10,000,000 OPS



### Thermostatic Radiator Valve

<b>RF SIGNAL</b>	Wi-Fi Signal	863 MHZ
<b>VOLTAGE</b>	Operating Voltage	With 2 AA 1.5 V Batteries
	Temperature Settings	5°C ~ 35°C, in 0.5°C
<b>FUNCTIONS</b>	Accuracy	± 1°C
	Control	PID
<b>MOUNTING</b>	On Radiator Valve	M30 x 1.5 Universal Type Head to Body Connection



### AIR BUS Converter With Power Supply

<b>POWER SUPPLY</b>	Input Voltage	80-240VAC 50/60 Hz
	Output Power	3W / 12V
	Protection	Internal Protection Fuse
<b>MOUNTING</b>	Current Consumption	10-30 mA / 12 VDC
	Behind the Panel	Attachable to the Back of TIS Panels Fits in all standard Back Boxes
	Din Rail	Standard Size Din Rail Mount
<b>CONNECTION TERMINAL</b>	Load and Power	Screw Terminal 0,25...2mm2
	Data / Bus	Connectors Link
	Panel Link	2 Female Connectors for TIS Panel Connection



### AIR BUS Converter

<b>CONNECTION TERMINAL</b>	Load and Power	Screw Terminal 0,25...2mm2
	Data / Bus	Connectors Link
	Panel Link	2 Female Connectors for TIS Panel Connection
<b>MOUNTING</b>	Din Rail	Standard Size Din Rail Mount



### Audio Streamer Wireless 4-Zone Player

<b>INPUT</b>	Wireless Network	IEEE802.11 b/g/n 2.4G
	Ethernet	Single 10/100M RJ45
	Bluetooth	5.0, SBC/AAC (10 Meter Distance)
	USB Host	Play USB Music
	Auxiliary In	Analog 3.5mm Connector
<b>OUTPUT</b>	Amplified Output	4 (40 Watts / 8ohms)
	Auxiliary Output	Analog 3.5mm Connector
	Current Consumption	<50 mA / 24VDC (Standby) 9A /24V peak
<b>REACTION TIME</b>		Approx. 20ms
<b>MOUNTING</b>	Table Top	On Table or Any Surface



## Dion Single-gang Smart Wall Switch

<b>Communication Protocol</b>	Zigbee® 3.0	
<b>Output</b>	Number of channels	1
	Nominal voltage	110 / 230 V AC 50/60 Hz
	Nominal current per channel	8 A / 230 VAC
<b>Output switching current</b>	Max switching current	10A/230 VAC resistive 6A/230 VAC florescent
	<b>Output service life</b>	Mechanical endurance
<b>Mounting</b>	Wall mount	To US, EU, UK junction boxes
<b>Reaction time</b>	approx. 30ms	



## Dion Two-Gang Smart Wall Switch

<b>Communication Protocol</b>	Zigbee® 3.0	
<b>Output</b>	Number of channels	2
	Nominal voltage	110 / 230 V AC 50/60 Hz
	Nominal current per channel	8 A / 230 VAC
<b>Output switching current</b>	Max switching current	10A/230 VAC resistive 6A/230 VAC florescent
	<b>Output service life</b>	Mechanical endurance
<b>Mounting</b>	Wall mount	To US, EU, UK junction boxes
<b>Reaction time</b>	approx. 30ms	



## Dion Three-Gang Smart Wall Switch

<b>Communication Protocol</b>	Zigbee® 3.0	
<b>Output</b>	Number of channels	3
	Nominal voltage	110 / 230 V AC 50/60 Hz
	Nominal current per channel	8 A / 230 VAC
<b>Output switching current</b>	Max switching current	10A/230 VAC resistive 6A/230 VAC florescent
	<b>Output service life</b>	Mechanical endurance
<b>Mounting</b>	Wall mount	To US, EU, UK junction boxes
<b>Reaction time</b>	approx. 30ms	



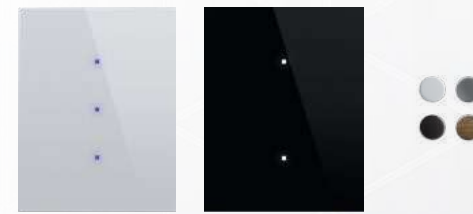
## Dion Curtain Switch

<b>Communication Protocol</b>	Zigbee® 3.0	
<b>Output</b>	Number of channels	3
	Nominal voltage	110 / 230 V AC 50/60 Hz
	Nominal current per channel	2 A / 230 VAC
<b>Function</b>	Open, Close, Stop	
<b>Output service life</b>	Mechanical endurance	> 10,000,000 OPS
<b>Mounting</b>	Wall mount	To US, EU, UK junction boxes
<b>Reaction time</b>	approx. 30ms	



## Dion Wall Remote

<b>Communication Protocol</b>	Zigbee® 3.0	
<b>Input</b>	CR2430 3V (battery not included)	
<b>Battery life</b>	730 days	
<b>Wattage</b>	96W	
<b>Working temperature</b>	-10°C ~ 45°C	



## Venera Series Touch Panel

<b>Communication Protocol</b>	Zigbee® 3.0	
<b>Output</b>	Number of channels	2-3
	Nominal voltage	110 / 230 V AC 50/60 Hz
	Nominal current per channel	8 A / 230 VAC
<b>Output switching current</b>	Max switching current	10A/230 VAC resistive 6A/230 VAC florescent
	<b>Output service life</b>	Mechanical endurance
<b>Mounting</b>	Wall mount	To US, EU, UK, IT junction boxes
<b>Reaction time</b>	approx. 30ms	





### Universal Dimmer Module

<b>COMMUNICATION PROTOCOL</b>	Zigbee® 3.0
<b>VOLTAGE</b>	100-240VAC
<b>OUTPUT</b>	1Ch > 400 W
<b>WATERPROOF GRADE</b>	IP20
<b>MATERIAL</b>	ABS Plastic



### 2 Gang Switch Module

<b>COMMUNICATION PROTOCOL</b>	Zigbee® 3.0
<b>OPERATION TEMP.</b>	-10°C to +40°C
<b>VOLTAGE</b>	90-250VAC
<b>CURRENT</b>	10A Max
<b>IP RATING</b>	IP20



### Shutter / Curtain Controller Module

<b>COMMUNICATION PROTOCOL</b>	Zigbee® 3.0
<b>VOLTAGE</b>	230VAC
<b>CURRENT</b>	5A
<b>RANGE</b>	≤ 200m
<b>OPERATING TEMP</b>	-10°C to + 40°C



### RGBW LED Controller

<b>COMMUNICATION PROTOCOL</b>	Zigbee® 3.0
<b>INPUT VOLTAGE</b>	12-36VDC
<b>OUTPUT CURRENT/CHANNEL</b>	4 5A Max
<b>WATTAGE</b>	96W
<b>PROTECTION RATE</b>	IP20



### Smart RGBW Light Bulb

<b>COMMUNICATION PROTOCOL</b>	Zigbee® 3.0
<b>LIGHT BEAM ANGLE</b>	220 degrees
<b>COLOUR TEMP.</b>	1800K-6500K
<b>VOLTAGE RANGE</b>	220-240VAC 50/60 Hz
<b>WATTAGE</b>	8.5 W



### Zigbee Smart Plug

<b>COMMUNICATION PROTOCOL</b>	Zigbee® 3.0
<b>VOLTAGE</b>	230VAC / 50Hz
<b>MAXIMUM LOAD</b>	3680W
<b>PLUG FORMAT</b>	EU, UK Standard
<b>OPERATING FREQUENCY</b>	2400-2483.5 MHz



## Smart Valve Controller

<b>COMMUNICATION PROTOCOL</b>	Zigbee® 3.0
<b>WATER VALVE POWER VOLTAGE</b>	12VDC-1.5A
<b>STANDBY POWER</b>	0.3W
<b>VALVE PRESSURE</b>	1.6MP
<b>TORQUE</b>	40kg.cm



## Curtain Motor Battery Based

<b>COMMUNICATION PROTOCOL</b>	Zigbee® 3.0
<b>BATTERY</b>	Lithium-Ion
<b>BATTERY LIFETIME</b>	6 Month
<b>MAX. RAIL LENGTH</b>	6 Meter
<b>FUNCTION</b>	Two Side/ One Side



## Zigbee <-> TIS BUS Gateway

<b>INPUT</b>	Zigbee	Zigbee 3.0
	RS485 RJ45	TIS BUS Ethernet UDP - TCP/IP Connection
<b>OUTPUT SWITCHING CURRENT</b>	Zigbee 3.0	Program 128 Channel
	Ethernet Rj45 Upgrading PRG button	UDP TIS Protocol – TCP/IP TIS Cloud By UDP Ethernet Port IP Address Reset, 192.168.1.200(default)
<b>MOUNTING</b>	Din Rail	Standard 35mm Din Rail
	Wall Mount	Screw Holder on the Back of the Module
<b>REACTION TIME</b>		Approx. 20ms



## Zigbee Key Fob

<b>COMMUNICATION PROTOCOL</b>	Zigbee® 3.0
<b>FUNCTION</b>	4 Buttons for Arm Away, Night, Disarm and Panic
<b>OPERATING FREQUENCY RANGE</b>	2400-2483.5MHz
<b>MAXIMUM RF OUTPUT RANGE</b>	10dBm
<b>BATTERY TYPE</b>	CR2032



## Siren And Flasher

<b>COMMUNICATION PROTOCOL</b>	Zigbee® 3.0
<b>WORKING VOLTAGE</b>	100-240VAC
<b>BATTERY BACKUP</b>	3-7V
<b>ALARM SOUND LEVEL</b>	95dB



## Smart Smoke-Detector

<b>COMMUNICATION PROTOCOL</b>	Zigbee® 3.0
<b>WORKING VOLTAGE</b>	3VDC Battery
<b>ALARM INDICATION</b>	Red LED
<b>ALARM SOUND LEVEL</b>	≥85dB/3m



### Smart Door/Window Sensor

<b>COMMUNICATION PROTOCOL</b>	Zigbee® 3.0
<b>LOW BATTERY INDICATOR</b>	Yes
<b>WORKING VOLTAGE</b>	3V DC(CR2032 Battery)
<b>ALARM TRIGGERING DISTANCE</b>	23 ± 5 mm
<b>BATTERY LIFE</b>	<One Year



### Smart Door Sensor with Bypass Button

<b>COMMUNICATION PROTOCOL</b>	Zigbee® 3.0
<b>ALARM TRIGGERING DISTANCE</b>	23 5 mm
<b>BATTERY LIFE</b>	3 Years
<b>BATTERY TYPE</b>	1xCR2



### Carbon Monoxide Detector

<b>COMMUNICATION PROTOCOL</b>	Zigbee® 3.0
<b>WORKING VOLTAGE</b>	DC3V (CR123A lithium battery)
<b>STANDBY CURRENT</b>	≤20uA
<b>ALARM CURRENT</b>	≤60mA
<b>WORKING ENVIRONMENT</b>	-10° C +50° C



### Water Leak Detector

<b>COMMUNICATION PROTOCOL</b>	Zigbee® 3.0
<b>WIRELESS RANGE</b>	100ft (40m) LOS
<b>OPERATING FREQUENCY</b>	2405MHz-2480MHz
<b>POWER SUPPLY</b>	2 x AAA, 3V Batteries
<b>OPERATING HUMIDITY</b>	<85%



### PIR Motion Sensor Wall Mounted

<b>COMMUNICATION PROTOCOL</b>	Zigbee® 3.0
<b>OPERATING FREQUENCY</b>	2.4 Ghz
<b>RF OUTPUT POWER</b>	<10dBm
<b>BATTERY TYPE</b>	CR2032
<b>OPERATING HUMIDITY</b>	<85%
<b>DETECTION ANGLE</b>	110°
<b>DETECTION RANGE</b>	5m
<b>OPTIMUM HEIGHT</b>	2.5m



### Smart Gas Sensor

<b>COMMUNICATION PROTOCOL</b>	Zigbee® 3.0
<b>TRANSMIT POWER</b>	≤10dBm
<b>WORKING VOLTAGE</b>	DC12V (Adapter)
<b>GAS TYPE DETECTION</b>	Natural Gas (CH4)
<b>ALARM CURRENT</b>	≤150mA (DC12V)

# TIS DISTRIBUTORS



**CONTACT US**



**Australia**

TIS CONTROL PTY LTD.  
SA , AUSTRALIA



**Hong kong**

TIS CONTROL LIMITED  
Wanchai, Hong Kong



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