

NEW ERA IN SMARTHOME

TiS
CONTROL EVERYTHING

 tiscontrol.com



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ABOUT US

At TIS Control, we believe that smart technology is a fundamental part of just about everything in modern world. That's why we feel committed to design solutions that make lives more efficient, safe and sustainable.

We are dedicated to offer solutions for convenience in the present moment and tomorrow when it's our future generation's time to live! TIS is here to make sure convenience could look fancy yet accessible for all.



CRAFTED FOR UTILITY

A simple piece of TIS technology makes any space intelligent. Our smart devices communicate with you and other components to provide real-time services.

Our IoT-powered technology creates a fully coordinated ecosystem of solutions that work efficiently and automatically in a designated space. This is TIS, a constantly growing body of interconnected systems and smart products.



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

ABOUT US

Founded in 2012, TIS Control Ltd. has continued designing and supplying products for smart lighting, climate, security, and safety needs around any environment.

Offering the most efficient, easy-to-use, and practical solutions, TIS has thrived as a trusted and well-reputed company over the past years.

Offering users an automation system that is simultaneously flexible and functional is central to our manufacturing.



WHY TIS?

We provide an all-encompassing and multi-functioning range of products so you can automate any building under one single brand. However, integration compatibility is core to the engineering of each solution. Gateways and linking modules in addition to official membership of universal protocols help you

create a connected and diversive system of smart products to best suit your likes and needs. Thanks to a professional team, we can offer complete and personalized solutions to automate, connect and watch your property with eco-friendly and accurate performance.

With a product range of more than 150 items in home & building automation systems, we can completely cover smart needs with reliability, ease of installation, and maximum user-friendliness.

TIS TECHNOLOGY

TIS smart technology operates through three protocols, each presenting specific features and possibilities, nevertheless open for integration and TIS App control.

TIS
CONTROL EVERYTHING

TIS BUS

TIS Bus networking enables wired products to run preset or automatic commands. As this protocol requires a specific wiring structure, it is recommended to consider a Bus automation system in the early stages of building construction.

TIS AIR

TIS Air networking is the platform where wireless solutions and devices are linked and run. The cable-free Air series of products requires a Wi-Fi connection. Remote control, flexibility in mounting stage and location, and efficient energy usage are the main advantages of this protocol.

TIS BEE

TIS-Bee networking comprises ZigBee-powered devices, working with batteries in low-consumption status within the TIS automation system. This series is ideal for interior renovations and complementing the smart control dashboard.

WHAT WE DO



Control Panels



Lighting



Thermostat



Security



Sensors



Controllers



Accessories



Appliances



Voice Assistants



Application



Motorization



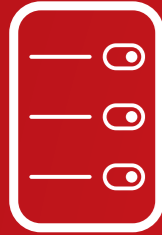
Metering



Hotel GRMs

TIS IN A NUTSHELL

Connectivity, simplicity of integration and design;
what our solutions offer



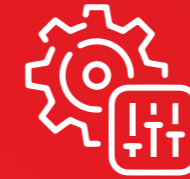
CONTROL PANELS

Complete control through a single point of management

All functions in a building can be managed locally and with immediacy through elegant touch screens. Available in diverse dimensions,

with a personalized interface completely based on simple icons specifically designed to make every operation fast and intuitive.

The same interface can be found also in the control app through smartphones or tablet, making the system user experience homogeneous and ergonomic.



CONTROL LIMITLESSLY

With TIS and the local and cloud connectivity it offers, everything becomes controllable from everywhere using a touch wall switch, a virtual voice assistant, or a smartphone app.

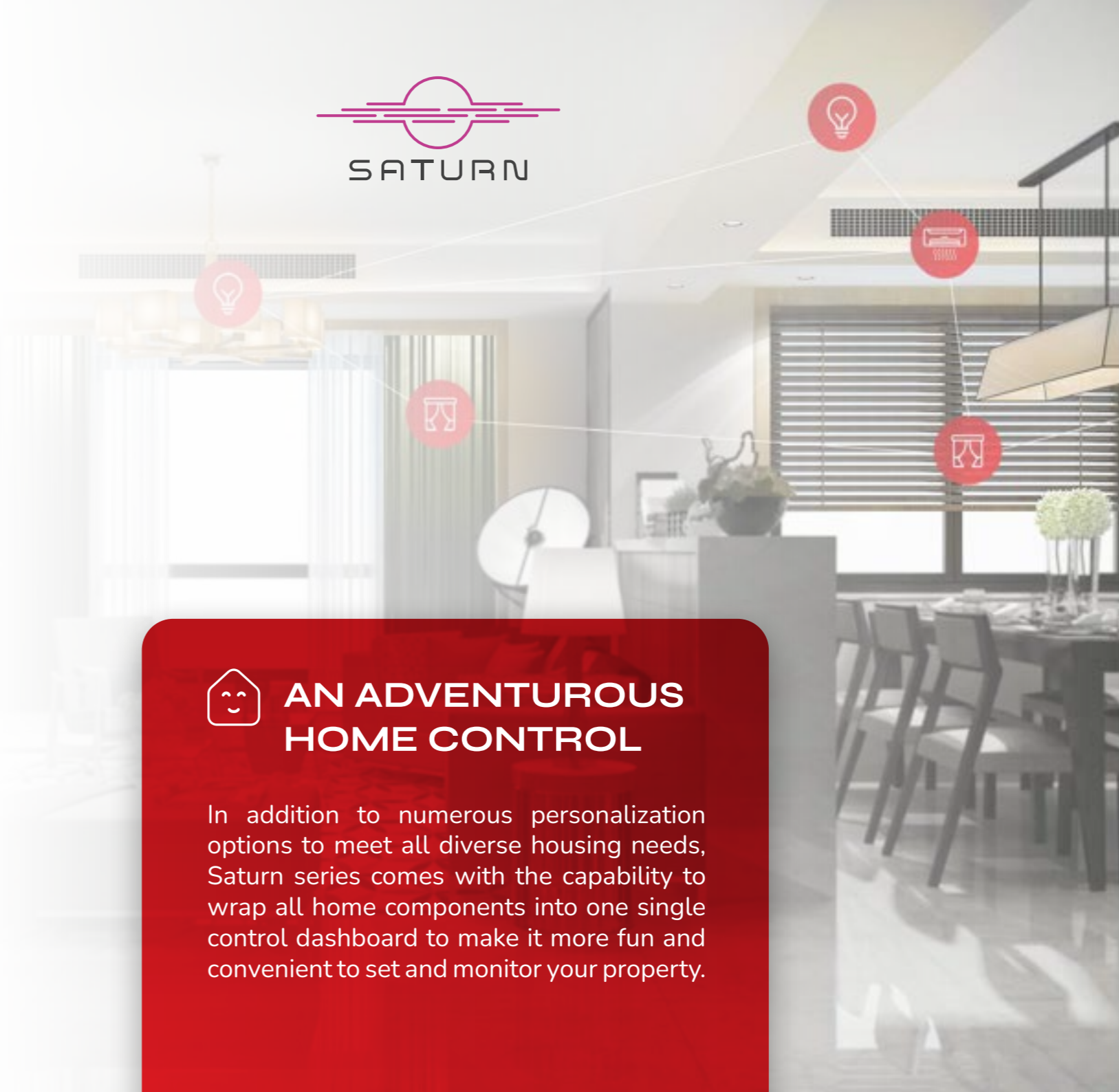
Our solutions offer the advantage of being provided with an inbuilt intelligence that guarantees system reliability, even when there is no connection to the cloud.





SATURN SERIES

Saturn series offers more than a lot; from the possibility to personalize the main screen of the interface to make the frequently used scenarios more instantaneous. This series makes it fun to create different scenarios through a step-by-step wizard in accordance with your own lifestyle.



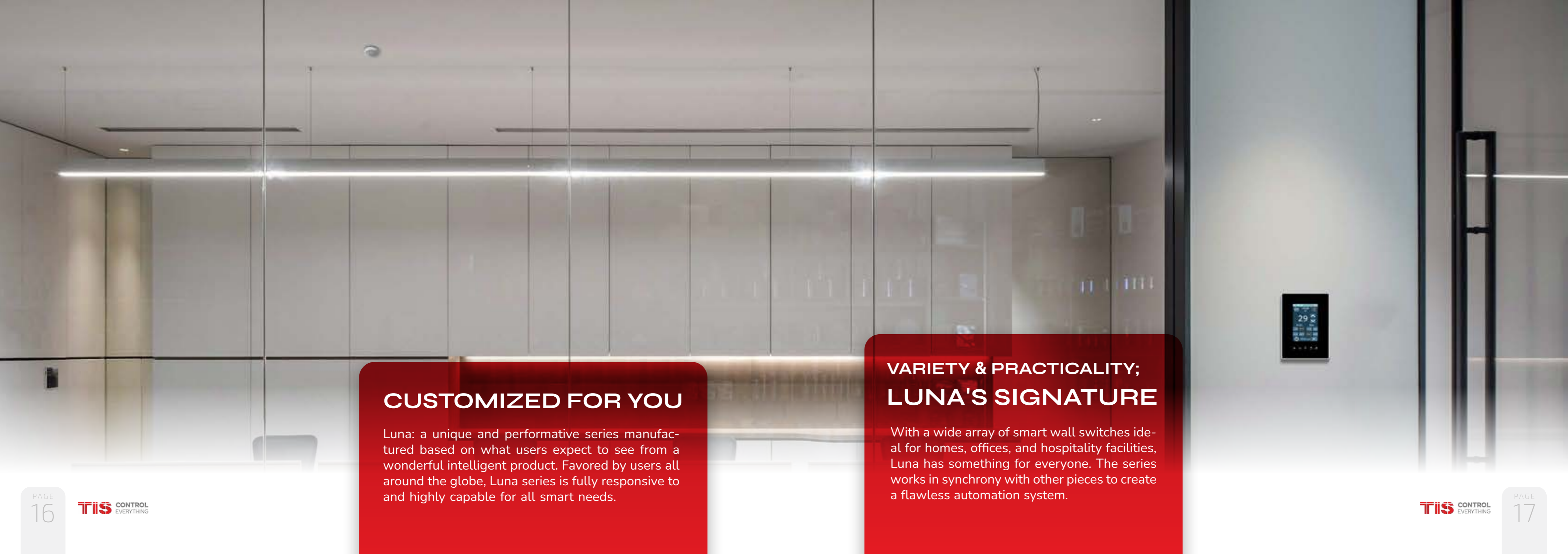
AN ADVENTUROUS HOME CONTROL

In addition to numerous personalization options to meet all diverse housing needs, Saturn series comes with the capability to wrap all home components into one single control dashboard to make it more fun and convenient to set and monitor your property.



LUNA
SERIES



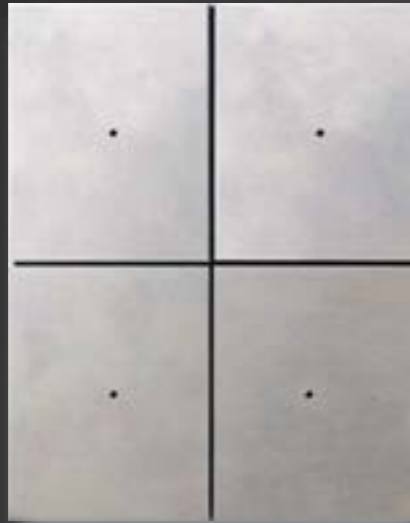


CUSTOMIZED FOR YOU

Luna: a unique and performative series manufactured based on what users expect to see from a wonderful intelligent product. Favored by users all around the globe, Luna series is fully responsive to and highly capable for all smart needs.

VARIETY & PRACTICALITY; LUNA'S SIGNATURE

With a wide array of smart wall switches ideal for homes, offices, and hospitality facilities, Luna has something for everyone. The series works in synchrony with other pieces to create a flawless automation system.



VENERA SERIES

A Touch of Complement to Your Home Décor

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

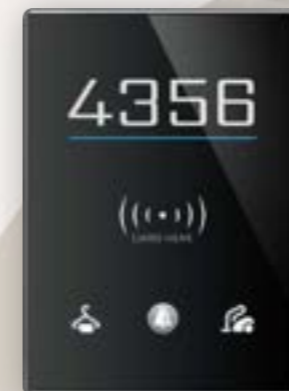
Venera gives your home space an inspiring new look!

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



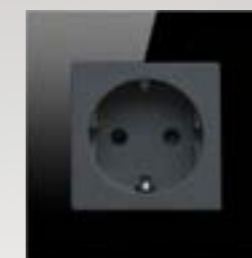
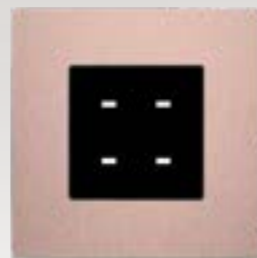
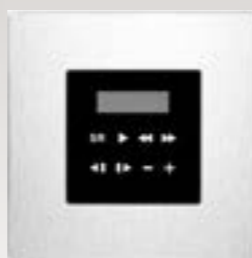
This series, which includes a range of products for room control, access control, guest-staff interaction, and hotel management, easily adds up to a hotel value.

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



TERRE

SERIES



TERRE SERIES

Value & refinement

This is Terre: a series in which every kind of beauty, even the technological one, finds its highest expression. Its flawless aesthetic has discovered also a new shape of energy.





TITAN & TITANIA SERIES

An Elegant Functionality

This is Titania/Titan: essential in its formal rigor but characterized by a lively design. This series is ideal to add value to every room and space, thanks to its fascinating shapes and materials.

 COLORS



 **TITANIA**



 **TITAN**





DION SERIES

When Technology Meets Style

Dion is a series of ZigBee3.0-operated switches with the capability for lights, curtains, and scene control. The series offers stylish design and push-button controls for easy and budget-friendly home automation.



ACCESS TO HOME AUTOMATION SERVICES

Smart Means Wide Applicability

Dion series features super convenience of installation, thanks to the adhesive tape placed at the back of switches. They can be mounted on any surface and continue lighting up the space around you for ages without going out of style.



The Easiest Way to Make Things Easier!

This is SOL, a series of nicely-designed pieces from the marriage of classic technology and IoT. SOL series includes several products with touch LCD, push buttons, or multi-purpose sockets with schedule and over-app control compatibility.



Satisfied Sense of Aesthetics without Compromise

The trendy textures and finish options across this series make it easy to pick something that best blends in with your interior design. Nothing is more pleasant than waking up with the tranquil scheduled light on a chic wall switch right next to your bed.



MERCURY



PALETTE



MERCURY

Appreciate Excellence & Beauty

Mercury takes it to another level with its cardholder, RF reader, and AC and light switches. Customizability, smart control over climate and lighting, and applicability in all Europe & UK back boxes are among the key features of this series.

That Become Noticeable in Your Home Interiors

With their various finishes and editable backlit colors, Mercury switches are highly capable of delivering functionality and convenience through elegant wall-mount in any residential, industrial, and hospitality facility.

MOTORIAS

An Efficient Choice to Increase Security & Privacy

For that, you need the help of motorized devices capable of controlling AC, TV, curtains, windows, and gates with a remote or switch button.

These products are ideal if you prefer simple settings or rather a classical way of interaction with the space around you.

With TIS, Nothing Is Ordinary

In a TIS-enabled smart home, even if things seem to operate quite simply, they are still super convenient and smart as motorized devices are perfectly integrated with your control hub.


MULTIMEDIA
A Freshness that Doesn't Fade Away

Our AV solutions offer multiroom audio streaming, high-quality sound, and video, multi-source and format support, and provide a wide number of control options just to make you feel cool while in control!

Cutting-edge Digital Interactivity

TIS multimedia solutions give you streaming options that are activated with a smooth touch of your fingertips. Musical scenes and scenarios take only a few seconds to be set or enabled so that you are only one fingertip away from tuning up your home.


CILLING SPEAKER

TIS AUDIO MATRIX

WIFI AUDIO PLAYER

IR CONTROLLER

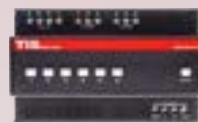
4X4 AV MATRIX




DALI CONTROLLER



DMX CONTROLLER



6CH DIMMER



RGBW LED CONTROLLER



SMALL DIMMER



RGBW BULB



LIGHTING CONTROL

Feels Like Recalling a Lovely Memory

Do you fancy a moment to relax at home in a pleasant atmosphere? With TIS lighting products, you can choose the light intensity, set the right light color, and even control the roller shutter at the desired position while listening to your favorite song!

A NEW ERA OF SMART LIGHTING

Our wireless lighting devices, available with different protocols, are designed to help you create an exceptional lighting vibe!

CLIMATE CONTROL

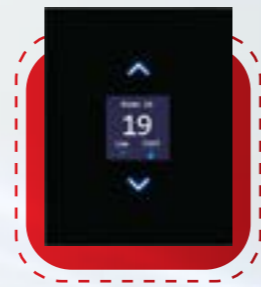
Introducing TIS Climate Solutions - the smart way to regulate your home's indoor climate in the most energy-efficient way! Imagine a hot and sunny summer day, and all you want is to freshen up your house.

With TIS's centralized control hub, you can easily set the temperature for every corner while maximizing energy usage and maintaining optimal values.

Not only will you enjoy fresh air all day every day, but you'll also save money on your energy bills. It's time to experience the ultimate in smart home climate control technology!



HVAC MODULE



VENERA THERMOSTAT



4T MODULE



IO THERMOSTAT



VRF MODULE



TRV RADIATOR CONTROLLER

These solutions manage an energy savings between 30% and 60% depending on implemented functions.

THERMOSTAT

SECURITY

While you are running some errands, you receive a video call from the babysitter who is ringing the doorbell because she forgot her key for the gate. Through TIS App, you can talk with her, let her in, and turn on the external lights so that she can get into the building conveniently.

Recognize who rings at the doorbell wherever you are and keep an eye on your property and live safely. Our intelligent video door entry system, based on IP technology, gives you a clear view to home doors and gates. With TIS, your smartphone turns into a real video door entry unit!



SECURITY MODULE

TISBUS 10F
SENSORTISBEE MOTION
SENSORDOOR / WINDOW
MODULE

Your Security is Guaranteed

If you are looking for a solution to fully monitor all corners of your smart home, then our video surveillance system is ideal for you! This solution comes with a wide range of products that operate in any kind of environmental condition to protect a building from any kind of unauthorized entering. TIS offers the best intrusion detection system that give you a wide range of options among smart products that keep you and your home secure 24/7.

SECURITY

((())) SENSORS

Developed by professional experts, our smart sensors adapt to every building's security and architectural style.

These are available in a great variety of materials, colors and shapes, and offer an aesthetic coordination with the surrounding space in addition to the capability to work harmoniously with electronic thermostats.

TIS sensors are dedicated to bringing comfort and efficiency and turn any space into an oasis of well-being where it's always possible to find again the preferred environmental conditions.

TIS sensors integrate with other smart solutions to best run automatic commands only 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

Thanks to the iconographic object-oriented language – the result of detailed research on the interaction design through tests with end users – these products are very easy to work with; anyone can set up and monitor these products in no time flat! Moreover, the app-control capability of our sensors makes it simple for you to navigate through their control options online and embrace immediate building management from any spot around the world.

 **CONTROLLERS**

Upgrade your home with the latest in smart home automation technology! Our intelligent controllers are the ultimate “brains” for your home system, allowing you to seamlessly integrate and control all aspects of your home with ease.

Imagine waking up every morning to your favorite music playing, the curtains drawn and the aroma of freshly brewed coffee filling the air – smart home automation makes all of this and more a reality!



AUTOMATION TIMER



4 ZONE DRY INPUTS



IR EMITTER



SHUTTER MODULE



ZIGBEE SWITCH CONTROLLER



WIFI ACM CONTROLLER





ACCESSORIES

TIS smart accessories are designed to make your home more livable, modern looking, and automated.

These affordable and user-friendly products are what make a once-futuristic idea of smart homes accessible for anyone.

These pieces are remotely controllable and function energy-efficiently in harmony with other components of your TIS hub.



DION SWITCH
REMOTE



ZIGBEE KEYFOB



ZIGBEE SMART
PLUG





WEATHER STATION

Introducing TIS Weather Station - the ultimate way to stay on top of weather conditions!

This advanced smart sensor is equipped with state-of-the-art technology that accurately detects everything; from temperature, humidity, and rain level to UV intensity, and wind speed and direction.

Not only does it keep you informed so you can plan your day accordingly, but it also helps maintain the health of your home!



ENERGY METER

Energy Meter is a smart sensor that's set to change the way you view energy consumption!

With its advanced technology, this incredible device measures and displays important electrical parameters, providing you with valuable insights into your energy consumption.

Through an energy consumption report on a daily, weekly, monthly, and yearly basis, Energy Meter helps you monitor your energy usage and also save money by identifying where you can cut back.



APPLICATION

A 24/7 Open Window to Your Smart Home

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

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

Thanks to our advanced cybersecurity standards, rest assured that only authorized people can access your TIS automation system.



APPLICATION

With the TIS app you can turn on the video camera display focused on the alarmed zone to understand what is going on: don't worry, it is only the neighbor who is trying to fetch his son's ball which randomly came into your garden. You can just disable the alarm and let him in!

TIS ALLIANCES

A Reliable Smart System Comes With Great Advantages

TIS BUS, TIS AIR, Zigbee, Modbus & KNX are five evolved systems which are engineered to interact with each other in order to provide the maximum of comfort, energetic efficiency and security.

What we offer is a smart dialogue among these protocols and systems, a value that we improve by partnership with the recognized manufacturers to help our users experience smart living at their best.

AWARDS

Our smart solutions are designed based on a perfect bond between aesthetics and technology.

TIS products come to blend in and elevate different living and working spaces and satisfy the most specific and aesthetic needs of users.

This has made TIS a well-recognized home automation brand holding some of the most prestigious awards in the industry.



PRODUCT PORTFOLIO



Luna TFT 4.3" Touch Panel

| | | |
|-----------------|------------------------------|----------------------------|
| LCD | Size | 3.5" |
| | Resolution | 320*480 Pixels |
| | Contrast | 500 |
| Touch | Viewing direction | 160 degree |
| | Active area | 4.3", Capacitive |
| Input | Temp sensor | Resistive Temp Sensor |
| | IR receiver | TIS Infrared code receiver |
| Output | Using Panel Addition 3R | 3 Relay Output 3A/5A |
| | Using Panel Addition 3DL-12V | 12V DC 50mA Output |
| | Using Panel Addition 2DL-IRE | IR Emitter |
| Mounting | Junction Box | US, EU, UK standard |



Luna 9-Gang Touch Panel

| | | |
|------------------|------------------------------|------------------------------|
| Touch | Active area | 4.3", Capacitive |
| | Touch Type | ON/OFF/Scene |
| Functions | 1 Press | Dim or ramp the lights |
| | Long Press | Extra Scene |
| | Double click | Music, scene, lights control |
| Input | IR receiver | IR receiver |
| | Using Panel Addition | Using Panel Addition |
| Output | Using Panel Addition 3R | 3 Relay Output 3A/5A |
| | Using Panel Addition 3DL-12V | 12V DC 50mA Output |
| | Using Panel Addition 2DL-IRE | IR Emitter |
| Mounting | Junction Box | US, EU, UK standard |



Luna Outdoor Bell Touch panel with RF Readability

| | | |
|------------------|-------------------|-------------------------|
| Touch | Active area | 1 button for bell |
| | Touch Type | Capacitive |
| Functions | Bell Press | Touch Button |
| | RFID | Access Control |
| Input | RF card reader | MIFARE RF Type |
| Output | Low Current Relay | 1 Relay Output 2A/12V |
| Mounting | Junction Box | US, EU, IT, UK standard |



Luna Bedside Touch Panel

| | | |
|------------------|------------------------------|-------------------------------|
| Touch | Active area | 4.3" |
| | Touch Type | Capacitive |
| Functions | Display | 0.9" OLED |
| | 1 Press | ON / OFF / Scene / AC control |
| | Long Press | Dim or ramp the lights |
| | Double click | Extra Scene |
| Input | Temp sensor | Resistive Temp Sensor |
| | IR receiver | TIS Infrared code receiver |
| Output | Using Panel Addition 3R | 3 Relay Output 3A/5A |
| | Using Panel Addition 3DL-12V | 12V DC 50mA Output |
| | Using Panel Addition 2DL-IRE | IR Emitter |
| Mounting | Junction Box | US, EU, IT, UK standard |



Luna Card Holder Panel

| | | |
|------------------|----------------|---|
| Operation | Card switch | Card RF reader |
| | TIS bus | TIS Protocol messages and commands |
| Functions | Upgrading | By Rs485 upgrading kit |
| | CARD Switch | To turn off lights if no occupancy or if card removed |
| Input | RF card reader | MIFARE RF Type |
| Mounting | Junction Box | US, EU, IT, UK standard |



Luna Touch panel with Room Number Display

| | | |
|------------------|-------------------|-------------------------|
| Touch | Active area | 1 button for bell |
| | Touch Type | Capacitive |
| Functions | Bell Press | Touch Button |
| Input | | 4 Digital Inputs |
| Output | Low current relay | 1 Relay Output 2A/12V |
| Mounting | Junction Box | US, EU, IT, UK standard |



IO Thermostatic Switch with 4 Buttons

| | | |
|------------------|--|--|
| Operation | Display Rotating Knob push buttons TIS bus | 2.3-inch OLED Screen 1x Rotating and pushing knob 4 push buttons with White/Orange LED TIS Protocol messages and commands |
| Functions | Rotating / Press (knob) 1 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 |
| Input | Temp /Humidity Sensor Using Panel Addition | 0-100C / 0-99% RH 2-3 Digital Inputs |
| Output | Using Panel Addition 3R Using Panel Addition 3DL-12V Using Panel Addition 2DL-IRE | 3 Relay Output 3A/5A 12V DC 50mA Output IR Emitter |
| Mounting | Junction Box | US, EU, UK standard |



IO Hotel Panel with Card Holder

| | | |
|------------------|---|---|
| Operation | Push Buttons Card switch TIS bus Upgrading | 3x push button with orange / white LEDs RF card reader TIS Protocol messages and commands By Rs485 upgrading kit |
| Functions | CARD Switch 3 Push Buttons | To turn off lights if no occupancy or if card removed For DND, MUR ad Laundry request |
| Input | RF card reader | MIFARE RF Type |
| Output | Relay | 1x relay 1A/220V |
| Mounting | Junction Box | US, EU, IT, UK standard |



IO Wall Switch with 8 Buttons

| | | |
|------------------|---|--|
| Operation | Push Buttons Backlight TIS bus | 8 push buttons with White/Orange LED White backlight indicators TIS Protocol messages and commands |
| Functions | 1 Press Long Press Double click | ON/OFF/Scene Dim or ramp the lights Extra Scene |
| Input | Using Panel Addition | 2-3 Digital Input |
| Output | Using Panel Addition 3R Using Panel Addition 3DL-12V Using Panel Addition 2DL-IRE | 3 Relay Output 3A/5A 12V DC 50mA Output IR Emitter |
| Mounting | Junction Box | US, EU, UK standard |



IO Hotel Bell with RF Access Control

| | | |
|------------------|---|---|
| Operation | Push buttons Backlight TIS bus Upgrading | 1 push button with red / white indicator 2 RGB indicators + Room number white LEDs TIS Protocol messages and commands By Rs485 upgrading kit |
| Functions | Bell Press | Push button |
| Input | Dry Inputs RF card reader | 4 Digital Inputs MIFARE RF Type |
| Output | Low current relay | 1 Relay Output 2A/12V |
| Mounting | Junction Box | US, EU, UK standard |



IO Hotel Bell Panel

| | | |
|------------------|---|---|
| Operation | Push buttons Backlight TIS bus Upgrading | 1 push button with red / white indicator 2 RGB indicators + Room number white LEDs TIS Protocol messages and commands By Rs485 upgrading kit |
| Functions | Bell Press | Push button |
| Input | Dry Inputs | 4 Digital Inputs |
| Output | Low current relay | 1 Relay Output 2A/12V |
| Mounting | Junction Box | US, EU, UK standard |



Venera AC

| | | |
|---------------------------------|--|--|
| Display | 2" OLED Screen | |
| Touch | Capacitive Touch | |
| Output | Number of channels Nominal voltage Nominal current per channel | 2-4 relays for cool, heat and fan speed control 110- 230 V AC 50/60 Hz 8 A / 230 VAC |
| Output switching current | Max. continues current Max. switching voltage | 8A/230 VAC 277VAC / 30VDC |
| Input | Temp Sensor | Resistive Temp Sensor |
| Output service life | Mechanical endurance | > 10,000,000 OPS |
| Mounting | Junction Box | US, EU, IT, UK standard |



Titan - Titania 2.4" Touch Switch

| | | |
|-----------------|---|---|
| Touch | Active area Touch type | 2.5" Capacitive |
| LCD | Size Resolution Contrast Viewing direction | 2.4" 240*320 Pixels 600 120 degree |
| Input | Temp sensor Dry inputs | Resistive temp sensor 2 Digital inputs |
| Output | Model with relay -3R | 3 Relay outputs 5A |
| Mounting | Titian Titania | UK Junction Box US Junction Box |



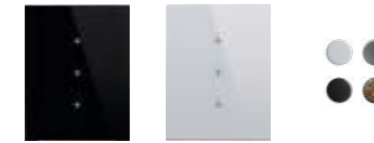
Venera 6 Gang Touch Switch

| | | |
|------------------|--|---|
| Operation | Touch buttons Backlit TIS BUS Upgrading | 6 gangs RGB LED indicators TIS protocol messages & commands By Rs485 upgrading kit |
| Input | Input voltage | 110-230 VAC 50/60 Hz |
| Mounting | Junction Box | US, EU, IT, UK standard |



Titan - Titania 2 / 3 Gang Touch Switch

| | | |
|------------------|---------------------------------------|---|
| Touch | Active area Touch type | 2-3 buttons Capacitive |
| Functions | 1 Press Long Press Double click | ON/OFF/Scene Adjust lights brightness Extra scene |
| Input | Temp sensor Dry inputs | Resistive temp sensor 2 Digital inputs |
| Output | Relay Switch | 2-3 Relay outputs 5A |
| Mounting | Titian Titania | UK Junction Box US Junction Box |



Venera 2/3 Gang Touch Switch

| | | |
|------------------|--|---|
| Operation | Touch buttons Backlit TIS BUS Upgrading | 2/3 gangs RGB LED indicators TIS protocol messages & commands By Rs485 upgrading kit |
| Input | Input voltage | 110-230 VAC 50/60 Hz |
| Output | Number of channels Nominal voltage Nominal current per channel | 2/3 110 / 230 V AC 50/60 Hz 8 A / 230 VAC |
| Mounting | Junction Box | US, EU, IT, UK standard |



Titan - Titania 4 Gang Touch Switch

| | | |
|------------------|---------------------------------------|---|
| Touch | Active area Touch type | 4 buttons Capacitive |
| Functions | 1 Press Long Press Double click | ON/OFF/Scene Adjust lights brightness Extra scene |
| Input | Temp sensor Dry inputs | Resistive temp sensor 2 Digital inputs |
| Output | Relay Switch | 4 Relay outputs 2A |
| Mounting | Titian Titania | UK Junction Box US Junction Box |



Venera 4 Gang Touch Switch

| | | |
|----------------------|--|---|
| Operation | Touch buttons Backlight TIS BUS Upgrading | 4 touch gangs RGB Backlit indicators TIS protocol messages & Commands By Rs485 upgrading kit |
| Reaction time | | approx. 30ms |
| Output | Number of channels Nominal voltage Nominal current per channel | 4 110 / 230 V AC 50/60 Hz 2 A / 230 VAC |
| Mounting | Junction Box | US, EU, IT, UK standard |



Saturn 40 Smart Wall panel

| | | |
|---------------|------------|--------------------------------------|
| LCD | LCD | TFT |
| | Size | 4" |
| | Resolution | 480x480 pixels |
| Touch | Type | Capacitive TP |
| | TP Type | G+F 5 points |
| | Multitouch | 5 points |
| Input | Power | L & N input |
| | DC 24V | DC 24V |
| Output | Relay | 2 relays output (L1 & L2) <200W each |
| | Mounting | Junction Box |
| | | UK standard |



Saturn 57 Smart Wall panel

| | | |
|-----------------|--------------|--------------------------|
| LCD | LCD | TFT |
| | Size | 5.7" |
| | Resolution | 1280*640 |
| Touch | Type | Capacitive TP |
| | TP Type | G+F 5 points |
| | Multitouch | 5 points |
| Input | Power | DC 24V 0.5A |
| | PoE | YES, 802.3 af compatible |
| Mounting | Junction Box | US, EU, UK standard |



Saturn 133 Wall Touch Panel

| | | |
|--------------|-------------------|-----------------|
| LCD | screen resolution | 13.3" |
| | Contrast | 1920x1080 |
| | Brightness | 1000:1 |
| Touch | Type | 300cdm2 |
| | TP Type | Capacitive TP |
| | Multitouch | G+F 5 points |
| Input | RJ-45 x 1 | Standard |
| | DC | DC input 12V 2A |
| WiFi | | 802.11 b/g/n |



Mercury Thermostat with 4 Scene Buttons

| | | |
|------------------|-------------------------|--|
| LCD | LCD | TFT |
| | Size | 2" |
| | Resolution | 480*480 |
| Touch | Type | Capacitive TP For Thermostat Operation |
| | TP Type | G+F 5 points |
| Operation | Push buttons | 4 Push Buttons with White/Orange LEDs |
| | Backlit | 2 Backlit Indicators |
| | TIS bus | TIS Protocol messages and commands |
| Input | Using Panel Addition | Resistive Temp Sensor |
| | Using Panel Addition 3R | 3 Digital Input |
| | | 3 Relay Output 3A/5A |
| Mounting | Junction Box | EU, UK standard |



Mercury 8G

| | | |
|------------------|-------------------------|--------------------------------------|
| Operation | Push Buttons | 8 push buttons with White/Orange LED |
| | Backlight | White backlight indicators |
| | TIS bus | TIS Protocol messages and commands |
| Functions | 1 Press | ON/OFF/Scene |
| | Long Press | Dim or ramp the lights |
| | Double click | Extra Scene |
| Input | Using Panel Addition | 2-3 Digital Input |
| | Using Panel Addition 3R | 3 Relay Output 3A/5A |
| Mounting | Junction Box | EU, UK standard |



Mercury Card Holder

| | | |
|------------------|----------------|---|
| Operation | Card switch | Card RF reader |
| | TIS bus | TIS Protocol messages and commands |
| | Upgrading | By Rs485 upgrading kit |
| Functions | CARD Switch | To turn off lights if no occupancy or if card removed |
| | RF card reader | MIFARE RF Type |
| Mounting | Junction Box | EU, UK standard |



Terre 4G Touch Switch

| | | |
|------------------|---------------|------------------------------------|
| Touch | Active area | 1.5" |
| | Touch type | Capacitive |
| Input | Temp sensor | Resistive Temp Sensor |
| | Touch Buttons | 4 control buttons |
| Operation | Backlit | LED indicators |
| | TIS bus | TIS Protocol messages and commands |
| | Upgrading | By Rs485 upgrading kit |
| Mounting | Junction Box | EU, UK standard |



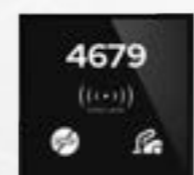
Terre Audio Control Panel

| | | |
|------------------|---------------|------------------------------------|
| LCD | LCD | OLED |
| | Size | 0.9" |
| Touch | Active area | 1.5" |
| | Touch type | Capacitive |
| Operation | Touch buttons | 8 control buttons |
| | Backlit | LED indicators |
| | TIS bus | TIS Protocol messages and commands |
| | Upgrading | By Rs485 upgrading kit |
| Mounting | Junction Box | EU, UK standard |



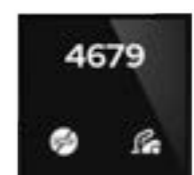
Terre Wall Touch Thermostat

| | | |
|------------------|---------------|------------------------------------|
| LCD | LCD | OLED |
| | Size | 0.9" |
| Touch | Active area | 1.5" |
| | Touch type | Capacitive |
| Input | Temp sensor | Resistive Temp Sensor |
| | Touch buttons | 4 control buttons |
| Operation | Backlit | LED indicators |
| | TIS bus | TIS Protocol messages and commands |
| | Upgrading | By Rs485 upgrading kit |
| Mounting | Junction Box | EU, UK standard |



Mercury Hotel panel with RF

| | | |
|------------------|--------------------------|-----------------------|
| Functions | Hotel Service Indicators | 2 Backlit |
| | RFID | Access Control |
| Input | RF card reader | MIFARE RF Type |
| | Using Panel Addition | 3 Digital Inputs |
| Output | Using Panel Addition | 1 Relay Output 2A/12V |
| | Mounting | Junction Box |
| | | EU, UK standard |



Mercury Hotel panel

| | | |
|------------------|--------------------------|-----------------------|
| Functions | Hotel Service Indicators | 2 Backlit |
| | Room Number | White Backlit |
| Input | Using Panel Addition | 3 Digital Inputs |
| | Using Panel Addition | 1 Relay Output 2A/12V |
| Mounting | Junction Box | EU, UK standard |



Mercury Panel Addition

| | | |
|------------------|--------------------------|--|
| Input | Number of channels | 3 |
| | Input Type | Digital input. Open / Close |
| | Length of connected wire | < 350 meter |
| Functions | Digital input Open | 20 commands |
| | Digital input close | 20 commands |
| | Revers control | 1 command |
| Mounting | Behind the panel | Attachable to the back of Mercury Panels |



Sol LCD

| | | |
|-----------------|---------------|------------------------|
| LCD | Size | 2" |
| | Resolution | 240*320 Pixels |
| | Brightness | 1500 cd/m ² |
| | Viewing angle | ~ 65° |
| Touch | Type | Capacitive |
| | Active area | 2.4" |
| Input | Temp sensor | Resistive temp sensor |
| Output | | 3 Relay outputs 5A |
| Mounting | Junction Box | EU, UK standard |



Mars 4-8 Gangs

| | | |
|------------------|------------------------------|--|
| Operation | Push buttons | 4/8 Push buttons with White/Orange LED |
| | Backlight | White Backlit indicators |
| | TIS bus | TIS Protocol messages and commands |
| Functions | 1 Press | ON/OFF/Scene |
| | Long Press | Dim or ramp the lights |
| | Double click | Extra Scene |
| Input | Using Panel Addition | 2-3 Digital Input |
| Output | 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 |
| Mounting | Junction Box | EU, UK, US standard |



Sol 3 Gang Touch Switch

| | | |
|------------------|--------------|--------------------------|
| Touch | Type | Capacitive |
| | Active area | 3 Buttons |
| Functions | 1 Press | ON/OFF/Scene |
| | Long Press | Adjust lights brightness |
| | Double click | Extra Scene |
| Output | Relay switch | 3 Relay outputs 5A |
| Mounting | Junction Box | EU, UK standard |



Click Switch

| | | |
|------------------|--------------|--|
| Operation | Push buttons | 1/2/3/4/6 Push buttons with White/Orange LED |
| | TIS bus | TIS Protocol messages and commands |
| Functions | 1 Press | ON/OFF/Scene |
| | Long Press | Dim or ramp the lights |
| | Double click | Extra Scene |
| Mounting | Junction Box | UK standard |



Mars AC 10 Gang

| | | |
|------------------|------------------------------|---------------------------------------|
| Display | OLED | 0.9" |
| | | |
| Operation | Push buttons | 12 Push buttons with White/Orange LED |
| | Backlight | White Backlit indicators |
| | TIS bus | TIS Protocol messages and commands |
| Functions | 1 Press | ON/OFF/Scene |
| | Long Press | Dim or ramp the lights |
| | Double click | Extra Scene |
| Input | Using Panel Addition | 2-3 Digital Input |
| Output | 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 |
| Mounting | Junction Box | EU, UK, US standard |



Click Thermostat

| | | |
|------------------|--------------|------------------------------------|
| LCD | Size | 2" |
| | | |
| Operation | push buttons | 4 Push buttons |
| | TIS bus | TIS Protocol messages and commands |
| Input | Temp sensor | Resistive temp sensor |
| Mounting | Junction Box | UK standard |



Panel Addition 2 Digital Inputs with Infrared Emitter

| | | |
|-----------------|------------------------------|---|
| Input | Number of channels | 2 |
| | Input Type | Digital input. Open / Close |
| | Length of connected wire | < 350 meter |
| Output | IR Emitter Peak wave length | 940 nm |
| | Radiated emission power (Φe) | 2.4 mW |
| | Length of connected wire | < 5 meters |
| Mounting | Behind the panel | Attachable to the back of TIS panels of Luna, IO, Mars, Terre-A Fits into all standard back boxes |



Panel Addition Three-channel Coupler

| | | |
|------------------|----------------------------|---|
| Functions | 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 |
| | | |
| Output | Number of channels | 3 |
| | Nominal voltage | 0 – 230 V AC 50/60 Hz |
| | Low current | 5 A / 28 VDC |
| | Lighting Incandescent Lamp | 4 A / 230 VAC |
| | Motors / Air condition | 3 A / 230 VAC |
| | LED and CFL Lamp | 1 A / 230 VAC |
| Mounting | Behind the panel | Attachable to the back of TIS panels of Luna, IO, Mars, Terre-A Fits into all standard back boxes |



Panel Addition 2 Digital Inputs with Infrared Receiver

| | | |
|------------------|-----------------------------|---|
| Input | Number of channels | 2 |
| | Input Type | Digital input. Open / Close |
| | Length of DI connected wire | < 350 meter |
| | IR Receiver connected wire | Length < 5 meters |
| Functions | Digital input Open | 20 commands |
| | Digital input close | 20 commands |
| | Revers control | 1 command |
| Mounting | Behind the panel | Attachable to the back of TIS panels of Luna, IO, Mars, Terre-A Fits into all standard back boxes |



ADS RELAY SWITCH Controller Module with Three Relays

| | | |
|---------------------------------|-----------------------------|---------------------------|
| Output switching current | Max switching current | 10A/230 VAC Resistive |
| | Max Continues current | 6A/230 VAC florescent |
| | Max. switching Voltage | 8A/230 VAC |
| Output | Number of relays | 3 |
| | Nominal voltage | 0- 230 V AC 50/60 Hz |
| | Nominal current per channel | 8 A / 230 VAC |
| Mounting | Free locate | Can be installed anywhere |
| Output service life | Mechanical Endurance | > 10,000,000 OPS |



Panel Addition 3 Digital Inputs with 12V Power supply

| | | |
|------------------|--------------------------|---|
| Input | Number of channels | 3 |
| | Input Type | Digital input. Open / Close |
| | Length of connected wire | < 350 meter |
| Output | Low Voltage | 12V DC 100mA |
| Functions | Digital input Open | 20 commands |
| | Digital input close | 20 commands |
| | Revers control | 1 command |
| Mounting | Behind the panel | Attachable to the back of TIS panels of Luna, IO, Mars, Terre-A Fits into all standard back boxes |



Power Relay 6 Channels 5 Amps

| | | |
|----------------------------|-----------------------------|--|
| Output | Number of channels | 6 |
| | Nominal voltage | 0 – 230 V AC 50/60 Hz |
| | Nominal current per channel | 5 A |
| Function | Lighting incandescent lamp | 4 A |
| | Motors / Air condition | 3 A |
| | LED and CFL lamp | 1 A |
| Output service life | Lighting control ON/OFF | 6 separately controllable channels |
| | Motor setting | Can set 3 groups of curtains (open/close) |
| Mounting | Fan speed control | Can set 2 groups of fans (low, med, high) |
| | Mechanical service life | > 5,000,000 Times |
| Mounting | Din-Rail | Standard 35 mm Din-Rail screw holder on the back of the module |
| | Wall mount | |

RELAY-DIMMER

TIS BUS



Relay Module with 4 Channels

| | | |
|---------------------------------|-----------------------------|--|
| Output Switching Voltage | Number of channels | 4 |
| | Nominal voltage | 0 – 230 V AC 50/60 Hz |
| | Max switching voltage | 440VAC / 125VDC |
| Output switching current | Nominal current per channel | 10A |
| | Maximum total channel load | 40A |
| | Max switching current | 16A resistive, 8A florescent |
| Output service life | Max continuous current | 10A VAC |
| | Mechanical service life | > 10,000,000 Times |
| Reaction time | | approx. 20ms |
| | Mounting | Din rail Wall mount |
| | | Standard 35 mm din rail screw holder on the back of the module |



Relay Module with 8 Channels

| | | |
|---------------------------------|-----------------------------|--|
| Output Switching Voltage | Number of channels | 8 |
| | Nominal voltage | 0 – 230 V AC 50/60 Hz |
| | Max switching voltage | 440VAC |
| Output switching current | Nominal current per channel | 16 A |
| | Maximum total channel load | 128 A |
| | Max switching current | 50A resistive 20A florescent |
| Output service life | Max continuous current | 20A VAC |
| | Mechanical service life | > 10,000,000 Times |
| Reaction time | | approx. 20ms |
| | Mounting | Din rail Wall mount |
| | | Standard 35 mm din rail screw holder on the back of the module |



Power Relay 12 Channels 10 Amps

| | | |
|----------------------|----------------------------|--|
| Output | Number of channels | 12 |
| | Nominal voltage | 0 – 230 V AC 50/60 Hz |
| | Max switching voltage | 440VAC / 125VDC |
| Function | Lighting control ON/OFF | 12 separately controllable channels |
| | Curtain control | Can set 6 groups of curtains (open/close) |
| | Fan speed control | Can set 4 groups of fans (low, med, high) |
| | Scenes | 12 different scenarios |
| | Sequences | 12 different sequences |
| | Output service life | Mechanical service life |
| Mounting | Din-Rail | Standard 35 mm Din-Rail screw holder on the back of the module |
| | Wall mount | |
| Reaction time | | approx. 20ms |



2CH Leading Edge Dimmer

| | | |
|----------------------|-----------------------------|--|
| Output | Number of channels | 2 |
| | Nominal voltage | 110/230 V AC 50/60 Hz |
| | Nominal current per channel | 6 A |
| Functions | Maximum total channel load | 10 A |
| | Lighting Control Dimming | 2 separately controllable channels |
| | Scenes | 4 different scenarios |
| Reaction time | Sequences | 6 different sequences |
| | | approx. 20ms |
| Mounting | Din-Rail | Standard 35 mm Din-Rail screw holder on the back of the module |
| | Wall mount | |



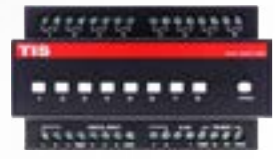
4CH Leading Edge Dimmer

| | | |
|----------------------|-----------------------------|--|
| Output | Number of channels | 4 |
| | Nominal voltage | 110/230 V AC 50/60 Hz |
| | Nominal current per channel | 3 A |
| Functions | Maximum total channel load | 10 A |
| | Lighting Control Dimming | 4 separately controllable channels |
| | Scenes | 8 different scenarios |
| Reaction time | Sequences | 6 different sequences |
| | | approx. 20ms |
| Mounting | Din-Rail | Standard 35 mm Din-Rail screw holder on the back of the module |
| | Wall mount | |



6CH Leading Edge Dimmer

| | | |
|----------------------|-----------------------------|--|
| Output | Number of channels | 6 |
| | Nominal voltage | 110/230 V AC 50/60 Hz |
| | Nominal current per channel | 2 A |
| Functions | Maximum total channel load | 10 A |
| | Lighting Control Dimming | 6 separately controllable channels |
| | Scenes | 12 different scenarios |
| Reaction time | Sequences | 6 different sequences |
| | | approx. 20ms |
| Mounting | Din-Rail | Standard 35 mm Din-Rail screw holder on the back of the module |
| | Wall mount | |



Room Controller Unit 8CH Output / 8Ch Output Input

| | | |
|---------------------------------|-----------------------------|--|
| Input | Number of channels | 8 |
| | Input Type | Digital input. Open / Close |
| Output Switching Voltage | Number of channels | 8 |
| | Nominal voltage | 0 – 230 V AC 50/60 Hz |
| | Max. switching Voltage | 440VAC / 125VDC |
| Output switching current | Analog Output | Ch8 include 0-10V output for dimming |
| | Nominal current per channel | Ch1 20A, Ch 2-8 10 A |
| | Maximum total channels load | 90 A |
| Output service life | Max switching current | 16A Resistive, 8A Florescent |
| | Max Continues current | 10A VAC |
| | Mechanical service life | > 10,000,000 Times |
| Reaction time | | approx. 20ms |
| | Mounting | Din rail Wall mount |
| | | Standard 35 mm din rail screw holder on the back of the module |



Room Controller Unit 24CH Output / 20Ch Input

| | | |
|---------------------------------|-----------------------------|--|
| Input | Number of channels | 20 |
| | Input Type | Digital input. Open / Close |
| Output Switching Voltage | Number of channels | 24 |
| | Nominal voltage | 0 – 230 V AC 50/60 Hz |
| | Max. switching voltage | 440VAC / 125VDC |
| Output switching current | Nominal current per channel | Ch. 1-12: 10A, Ch. 13-24: 5A |
| | Maximum total channels load | 180 A / 230 |
| | Max switching current | Ch. 1-12: 16A, Ch. 13-24: 6A |
| Output service life | Max continues current | Ch. 1-12: 10A, Ch. 13-24: 5A |
| | Mechanical service life | > 10,000,000 Times |
| Reaction time | | approx. 20ms |
| | Mounting | Din rail Wall mount |
| | | Standard 35 mm din rail screw holder on the back of the module |



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

| | | |
|---------------------------------|-----------------------------|--|
| Input | Number of channels | 20 |
| | Input Type | Digital input. Open / Close |
| Output Switching Voltage | Number of channels | 20 |
| | Nominal voltage | 0 – 230 V AC 50/60 Hz |
| | Max. switching Voltage | 440VAC / 125VDC |
| Output switching current | Nominal current per channel | 10 A |
| | Maximum total channels load | 200 A |
| | Max switching current | 16 A resistive, 8 A florescent |
| Output service life | Max continues current | 10 A VAC |
| | Mechanical service life | > 10,000,000 Times |
| Ports | RJ45 | Ethernet UDP-TCP/IP Connection |
| | Reaction time | |
| Mounting | Din rail | Standard 35 mm din rail screw holder on the back of the module |
| | Wall mount | |



2CH Trailing Edge Dimmer

| | | |
|----------------------|-----------------------------|--|
| Output | Number of channels | 2 |
| | Nominal voltage | 110/230 V AC 50/60 Hz |
| | Nominal current per channel | 3 A |
| Functions | Lighting Control Dimming | 2 separately controllable channels |
| | Scenes | 2 different scenarios |
| | Sequences | 2 different sequences |
| Reaction time | | approx. 20ms |
| | Mounting | Din-Rail Wall mount |
| | | Standard 35 mm Din-Rail screw holder on the back of the module |



4CH Trailing Edge Dimmer

| | | |
|----------------------|-----------------------------|--|
| Output | Number of channels | 4 |
| | Nominal voltage | 110/230 V AC 50/60 Hz |
| | Nominal current per channel | 1.5 A |
| Functions | Lighting control dimming | 4 separately controllable channels |
| | Scenes | 4 different scenarios |
| | Sequences | 4 different sequences |
| Reaction time | | approx. 20ms |
| | Mounting | Din-Rail Wall mount |
| | | Standard 35 mm Din-Rail screw holder on the back of the module |



6 Channel Ballast Controller 0-10V

| | | |
|---------------------------------|-----------------------------|--|
| Output Switching Voltage | Number of channels | 6 |
| | Nominal voltage | 0 – 230 V AC 50/60 Hz |
| | Max. switching Voltage | 440VAC / 125VDC |
| Output switching current | Analog Output | 6 outputs 0-10V |
| | Nominal current per channel | 10A |
| | Maximum total channel load | 60A |
| Output service life | Max switching current | 16A resistive, 8A florescent |
| | Max continuous current | 10A VAC |
| Reaction time | Mechanical service life | > 10,000,000 Times |
| | | approx. 20ms |
| Mounting | Din rail | Standard 35 mm din rail screw holder on the back of the module |
| | Wall mount | |



Din-rail DMX Actuator

| | | |
|----------------------|------------------------|---|
| Ports | DMX | Standard DMX connection |
| Function | DMX | Numbers of areas 24 12 Scenes 16 Sequence |
| Reaction time | | approx. 20ms |
| Mounting | Din rail Wall mount | Standard 35 mm din rail screw holder on the back of the module |



64CH DALI Controller

| | | |
|----------------------|------------------------|---|
| Input | DALI | Standard DALI connection Max 64 units |
| Function | DALI | 64 programmable addresses 16 Groups 16 Scenes |
| Reaction time | | approx. 20ms |
| Mounting | Din rail Wall mount | Standard 35 mm din rail screw holder on the back of the module |



IR Emitter with Temperature Sensor

| | | |
|----------------------|---|------------------------|
| Input | 1 Temperature Inputs | TIS temperature sensor |
| Output | IR Emitter peak wave length Radiated emission power (De) Length of connected wire | |
| Reaction time | | approx. 20ms |
| Mounting | anywhere | by two screws |



Dry Input with 4 Zones

| | | |
|----------------------|--|---|
| Input | Number of channels Input Type Length of connected wire | 4 Digital input. Open / Close < 350 meter |
| Function | Digital input Open Digital input close Revers control | 20 commands 20 commands 1 command |
| Reaction time | | approx. 20ms |
| Mounting | anywhere | by two screws |



Energy Servant Sensor

| | | |
|----------------------|--|---|
| Input | PIR motion sensor Digital input. Open / Close Length of connected wire to DI Light intensity sensor IR receiver Temp sensor | Dual element pyro-electric ceramic 2 Channels < 350 meter 0 – 8000 Lux meter TIS infrared code receiver Temp resistance sensor |
| Output | Infrared transmitters DC Output | 6 probes to cover 360 degree 12 V DC / 50 mA |
| Reaction time | | approx. 20ms |
| Mounting | Ceiling mount | 2 screws on the base of the sensor |



Heath Sensor Ceiling Mount

| | | |
|----------------------|---|---|
| Input | PIR motion sensor Volatile Organic Compound eCO2 sensor Temp sensor Humidity sensor Digital input. Open / Close Length of connected wire to DI Light intensity sensor Microphone sensor | Dual element pyro-electric ceramic Total VOC: 0 ppb -1000 ppb Sense from 400ppm – 5000 ppm Resistance temp. sensor range -40 to 80 C Sense the range of 0 -99.9% 3 Channels < 350 meter 0 – 8000 Lux meter Sense Noise in room |
| Function | Logic/ Timers Security Function | 32 Timers and Logic conditions Away, Night, Day, fire alarm setting |
| Reaction time | | approx. 20ms |
| Mounting | Ceiling mount | by 2 screws on the base of the sensor |



4 Analog Input Module 0-10V

| | | |
|----------------------|--|--|
| Input | Number of channels Input Type Length of connected wire | 4 Analog input. 0-10V < 350 meter |
| Function | Advanced Logic | Send Command if digital inputs reach value in each input |
| Reaction time | | approx. 20ms |
| Mounting | anywhere | by two screws |



4 Analog Input Module 4-10mA

| | | |
|----------------------|--|--|
| Input | Number of channels Input Type Length of connected wire | 4 Analog input. 4-20mA < 350 meter |
| Function | Advanced Logic | Send Command if digital inputs reach value in each input |
| Reaction time | | approx. 20ms |
| Mounting | anywhere | by two screws |



4X Temperature Sensor Inputs Module

| | | |
|----------------------|-----------------------|--|
| Input | 4x Temperature Inputs | TIS temperature sensor or PTC1000 sensor |
| Function | Temperature logic | Send command if temperature in specific range |
| Reaction time | | approx. 20ms |
| Mounting | anywhere | by two screws |



Ceiling-mount Motion Detector

| | | |
|----------------------|--|--|
| Input | PIR motion sensor Movement Logic No Movement Logic | Dual element pyro-electric ceramic 20 commands on movement action 20 commands on no movement action |
| Functions | Timer | No movement timer for energy efficiency |
| Reaction time | | approx. 20ms |
| Mounting | Ceiling mount | by 2 screws on the base of the sensor |



Security Module

| | | |
|----------------------|--|--|
| Security | Levels Arming commands Alarm Commands Extra Alarms Sirens and buzzer | Vacation, Away, Night, Day, Disarm 20 for each level 20 for each alarm type Panic, blackout, freezing temperature, 3 channels addressable. (Burglary, Fire, Buzzer) |
| Function | Other Functions | Auto arm/disarm, entry /exit delay, dial out time, zone auto bypass, duress alarm |
| Reaction time | | approx. 30ms |
| Mounting | Din rail Wall mount | Standard 35 mm din rail screw holder on the back of the module |



Automation Timer Module with Logic Programmability

| | | |
|----------------------|---|---|
| Logic | Conditions links Programming sections Table in each sections Pins of table | AND, OR, NAND, NOR 12 20 4 |
| Function | Conditions type Commands Advanced Timer | If "year, month, week, day, time, channel, curtain, universal switch, security, flag switch" 10 commands per table Longitude latitude info, setting for sunset sunrise calculation |
| Reaction time | | approx. 30ms |
| Mounting | Din rail Wall mount | Standard 35 mm din rail Screw holder on the back of the module |



RS232/RS485 Gateway

| | | |
|-----------------|--------------------------|--|
| Input | RS232 RS485 | RS232 ASCII / HEX 2 way connection Modbus, RS485 ASCII / HEX 2 way connection |
| Function | Integration to 3rd Party | Integrate to Modbus RTU, Dynalite, Intises Box, Cool Automation, UPB PCS, Jablutron, etc... |
| Mounting | Din Rail Wall mount | Standard 35 mm Din rail screw holder on the back of the module |



HVAC Controller Smart Heating & Ventilation System

| | | |
|----------------------------|--|--|
| Output | Number of channels Nominal voltage VAV outputs | 6 0 – 230 V AC 50/60 Hz 0-10V / 50mA |
| Output service life | Mechanical service life | > 5,000,000 Times |
| Reaction time | | approx. 20ms |
| Mounting | Din Rail Wall mount | Standard 35 mm Din rail screw holder on the back of the module |



32 Indoor unit VRF Controller

| | | |
|-----------------|--|---|
| Ports | Ethernet TIS-BUS RS485 A1 B1 RS485 A2 B2 Micro USB | For web configuration, testing and online upgrade Connection TIS system Modbus RTU connection ASCII protocol for 3 rd party integration Special upgrade |
| Function | VRF Control for many brands | AC integration with the major AC man- ufactures such as Daikin, LG, SAMSUNG, TOSHIBA, MITSUBISHI, York Panasonic, Gree, Hitachi, Carrier, Hisense, Haier, Midea, York, Bosch, Oaks, Chigo, Tianjia, Trane, McQuay etc. |
| Mounting | Din rail Wall mount | Standard 35 mm din rail screw holder on the back of the module |



Duct Split AC Gateway

| | | |
|----------------------------|--------------------|--|
| Power supply | | Air conditioner internal unit power supply |
| Installation method | | Wall mount or table top |
| Output Power | | DC7~15V, 0.7W(MAX) |
| Function | Control Digital AC | AC integration with Daikin, Hitachi, Hisense, York, TOSHIBA, Panasonic, Gree, Haier, Media , MITSUBISHI and Carrier. |



AUDIO PLAYER DIN-RAIL Amplifier

| | | |
|----------------------|---|---|
| Input | USB slot / SD card slot Auxiliary 1 Auxiliary 2 FM Radio | To play mp3 tracks from SD card (Class4 recommended) Screw terminal 0.2...2 mm2 Screw terminal 0.2...2 mm2 FM radio IC with Antenna |
| Output | Stereo amplified output Auxiliary output | 2 x 25 Watt / 8 ohms Variable stereo RCA plug output |
| Reaction time | | approx. 20ms |
| Mounting | Din rail | Din rail standard |



Matrix Switcher 4x4 AV Streamer

| | | |
|------------------|---|---|
| Input | Input video signal Input DDC signal Ports | 0.5-1.0 volts p-p 5 volts p-p (TTL) RS-232 |
| Function | HDCP compliant Output video | HDCP2.2 and HDCP1.4 HDMI2.0 and HDMI 1.4 |
| Operation | Bandwidth Video format supported | 18Gbit/s 4K@60Hz, YUV4:4:4 4K@30Hz/1080P/1080i/720P/576 P/480P/576i/480i |



IP Gateway with RS232/RS485 Ports

| | | |
|-----------------|--------------------------|---|
| Input | RS232 RS485 RJ45 | RS232 ASCII / HEX 2 way connection Modbus, RS485 ASCII / HEX 2 way connection Ethernet UDP - TCP/IP connection |
| Function | Integration to 3rd Party | Integrate to Modbus RTU, Dynalite, Intises Box, Cool Automation, UPB PCS, Jablutron, etc... |
| Mounting | Din Rail Wall mount | Standard 35 mm Din rail screw holder on the back of the module |



KNX Standard Communicator

| | | |
|----------------------|----------------------|--|
| Input | KNX TIS | KNX network 2 wires connection TIS-BUS (RS485) 4 wires connection |
| Function | TIS->KNX KNX->TIS | Control lights ON/OFF, Dimmer and Shutter Control Lights ON/OFF, Dimmer, Shutter, Infrared and Air Condition |
| Reaction time | | approx. 40ms |
| Mounting | Din rail | Standard 35 mm din rail |



Thermostatic Radiator Valve & TIS-BUS Gateway

| | | |
|----------------------------|------------|-----------------|
| RF Signal | RF signal | 863 MHz |
| Connection terminal | Data / BUS | Connectors link |
| Function | | Support 16X TRV |
| Reaction time | | approx. 20ms |
| Mounting | Din rail | 35mm din rail |



Weather Station

| | | |
|------------------------------|----------|------------------------------------|
| Temperature Measuring | Range | -30°C - 60°C |
| | Accuracy | +/- 1°C |
| Humidity Measuring | Range | 10%~99% |
| | Accuracy | +/- 5% |
| Rain Volume Display | Range | 0 - 9999mm |
| | Accuracy | +/- 10% |
| Wind Speed | Range | 0-50m/s (0~100mph) |
| | Accuracy | +/- 1m/s (wind speed< 5m/s) |
| Brightness | Range | 0-400000 Lux |
| | Accuracy | +/- 15% |
| Mounting | Outdoors | Special tool for roof installation |



Modular Single-Phase Power Meter

| | | |
|----------------------|---------------------|-------------------------------|
| Input | Voltage AC (Un) | 176-276V / 80-140V (optional) |
| | Base Current (Ib) | 10 A |
| | Max. Current (Imax) | 100 A |
| | Min. Current (Imin) | 0.5 A |
| | Power consumption | <2W/10VA |
| Display | Frequency | 50/60Hz(±10%) |
| | LCD | LCD with blue backlit |
| Reaction time | Max. Reading | 99999.99kWh |
| | | approx. 20ms |
| Mounting | Din Rail | Standard 35 mm din rail |



Smart Water Meter

| | | |
|----------------------|---|--|
| Protection | Bus pin ESD protection | exceeds 10kV |
| | Short circuit current limit | |
| Communication | Protection against faults | open circuit, short circuit and idle bus |
| | Communication with host computer | RS-485, M-BUS, fieldbus |
| | Communication transmission rate | 2400 BPS |
| Dimensions | Communication transmission maximum distance | 1200m |
| | 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) |



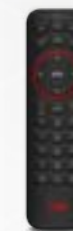
Horizontal Curtain Motor

| | | |
|----------------------|-------------------|--------------------------|
| Input | Input Voltage | AC 100-220V 50/60 HZ |
| | Operating Voltage | DC24V |
| | Current rating | 0.8-1A |
| | Rated power | 24W |
| Function | | Open / Close / Stop |
| Reaction time | | approx. 40ms |
| Mounting | | By hook on the rail head |



Roller Motor

| | | |
|----------------------|----------------|--|
| Input | Input Voltage | AC 230V 50 HZ |
| | Current rating | <0.5A |
| | Rated power | 120W |
| Functions | Memory | Programmable Open / Close / Stop positions |
| Reaction time | | approx. 20ms |
| Mounting | | Inside the roller tube |



Smart Handheld Controller

| | | |
|--------------------|----------------------|---|
| Remote type | | Infrared Emitter |
| Function | 1 Press | ON/OFF |
| | Long press | Dim or ramp the lights using buttons 1-12 |
| | Long press 3 seconds | ARM button for activating the arming system |
| Battery | AAA Battery | 2x Batteries |
| Mounting | | By hook on the rail head |



24-V DC Power Supply Module

| | | |
|----------------------|---------------|--|
| Input | Input Voltage | 110/240 VAC 50/60 Hz |
| Output | Output Power | 60W / 24V |
| Reaction time | | approx. 20ms |
| Mounting | Din rail | Standard 35 mm din rail screw holder on the back of the module |
| | Wall mount | |



Din-Rail Space-Saving Cable Manager

| | | |
|----------------------------|------------|--|
| Connection terminal | Data / bus | 6 female connectors |
| Mounting | Din rail | Standard 35 mm din rail screw holder on the back of the module |
| | Wall mount | |



IR Learner

| | | |
|----------------------|-----|--------------|
| Input | usb | Type B |
| Reaction time | | approx. 20ms |
| Function | | learn IR |



Venera Thermostat, 3 Relays High Voltage

| | | |
|---------------------------------|-----------------------------|--|
| Output | Number of channels | 3 relays for cool, heat and fan control or 3 fan speed |
| | Nominal voltage | 110-230 V AC 50/60 Hz |
| | Nominal current per channel | 8 A / 230 VAC |
| Output switching current | Max. continues current | 8A/230 VAC |
| | Max. switching voltage | 277VAC / 30VDC |
| Output service life | Mechanical endurance | > 10,000,000 OPS |
| Mounting | Wall mount | To US, EU, UK, IT junction boxes |
| Reaction time | | approx. 30ms |



Venera Thermostat, 4 Relays high Voltage

| | | |
|---------------------------------|-----------------------------|--|
| Output | Number of channels | 4 relays for cool or heat with fan speed control |
| | Nominal voltage | 110-230 V AC 50/60 Hz |
| | Nominal current per channel | 3 A / 230 VAC |
| Output switching current | Max. continues current | 3A/230 VAC |
| | Max. switching voltage | 277VAC / 30VDC |
| Output service life | Mechanical endurance | > 10,000,000 OPS |
| Mounting | Wall mount | To US, EU, UK, IT junction boxes |
| Reaction time | | approx. 30ms |



Venera Thermostat, 5 Relays Low Voltage

| | | |
|---------------------------------|-----------------------------|---|
| Output | Number of channels | 5 relays for cool, heat and fan speed control |
| | Nominal voltage | 24V AC |
| | Nominal current per channel | 1A / 24 VAC |
| Output switching current | Max. continues current | 1A/24 VAC |
| | Max. switching voltage | 30 VAC / 30VDC |
| Output service life | Mechanical endurance | > 10,000,000 OPS |
| Mounting | Wall mount | To US, EU, UK, IT junction boxes |
| Reaction time | | approx. 30ms |



Wi-Fi Dimmer Module

| | | |
|----------------------|-----------------------------|---------------------------|
| Output | Number of channels | 1 |
| | Nominal voltage | 110 / 230 V AC 50/60 Hz |
| | Nominal current per channel | |
| Output | Lighting incandescent lamp | 500 Watts |
| | LED (dimmable) | 300 Watts |
| | CFL (dimmable) | 300 Watts |
| Protection | | Internal protection fuse |
| Reaction time | | approx. 30ms |
| Mounting | Free locate | Can be installed anywhere |



Wi-Fi 2 Relay output and 2 Dry inputs

| | | |
|---------------------------------|-----------------------------|-----------------------------|
| Input | Number of channels | 2 |
| | Input Type | Digital input. Open / Close |
| Output | Number of relays | 2 |
| | Nominal voltage | Free voltage |
| | Nominal current per channel | 3 A / 230 VAC |
| Output switching current | Max Switching current | 3A/230 VAC resistive |
| | Max Continues current | 2A/230 VAC florescent |
| | Max Switching voltage | 3A/230 VAC |
| Reaction time | | approx. 30ms |
| Mounting | Free locate | Can be installed anywhere |
| Output service life | Mechanical endurance | > 10,000,000 OPS |



Wi-Fi Controller with 3 Dry Inputs

| | | |
|----------------------|-------------------------------|--------------------------------------|
| Input | Input voltage | 110-230 VAC 50/60 Hz |
| | Output power | 3W / 12V |
| Operation | Digital inputs | 3 dry inputs for lights control |
| | TIS AIR | TIS protocol messages & commands |
| Reaction time | PRG button with LED Upgrading | For Programming Over WIFI connection |
| | | approx. 30ms |
| Mounting | Free locate | Can be installed anywhere |



Venera Series Touch Wall Switch 4 Gang

| | | |
|---------------------------------|-----------------------------|----------------------------------|
| Output | Number of channels | 4 |
| | Nominal voltage | 110 / 230 VAC 50/60 Hz |
| | Nominal current per channel | 3 A / 230 VAC |
| Output switching current | Max switching current | 3A/230 VAC |
| | Max continues current | 2A/230 VAC |
| Output service life | Mechanical endurance | > 5,000,000 OPS |
| Mounting | Wall mount | To US, EU, UK, IT junction boxes |
| Reaction time | | approx. 30ms |



Venera Series Touch Wall Switch 3-2 Gang

| | | |
|---------------------------------|-----------------------------|----------------------------------|
| Output | Number of channels | 3-2 |
| | Nominal voltage | 110 / 230 V AC 50/60 Hz |
| | Nominal current per channel | 8 A / 230 VAC |
| Output switching current | Max. switching current | 10A/230 VAC resistive |
| | Max. continues current | 6A/230 VAC florescent |
| | Max. switching voltage | 8A/230 VAC |
| Output service life | Mechanical endurance | > 10,000,000 OPS |
| Mounting | Wall mount | To US, EU, UK, IT junction boxes |
| Reaction time | | approx. 30ms |



Wi-Fi RGBW Color Controlling Module

| | | |
|----------------------|-------------------------------|--------------------------------------|
| Input | Input voltage | 12-32 V DC |
| Output | Number of channels | 4 |
| | Voltage | 0-10V for signal dimming |
| TIS AIR | WiFi signal | 2.4 GHz |
| | Protocol standard | 802.11 b/g/n |
| Reaction time | | approx. 30ms |
| Mounting | Free locate | Can be installed anywhere |
| Operation | Digital inputs | 4 dry inputs for control |
| | TIS AIR | TIS protocol messages & commands |
| | PRG button with LED Upgrading | For programming Over WIFI connection |



Wi-Fi Controller with 2-3 Relay

| | | |
|---------------------------------|-----------------------------|-----------------------------|
| Input | Number of channels | 2-3 |
| | Input Type | Digital input. Open / Close |
| Output | Number of relays | 2-3 (refer to model number) |
| | Nominal voltage | 110 / 230 V AC 50/60 Hz |
| | Nominal current per channel | 8 A / 230 VAC |
| Output switching current | Max Switching current | 10A/230 VAC resistive |
| | Max Continues current | 6A/230 VAC florescent |
| | Max Switching voltage | 8A/230 VAC |
| Reaction time | | approx. 30ms |
| Mounting | Free locate | Can be installed anywhere |
| Output service life | Mechanical endurance | > 10,000,000 OPS |



Wi-Fi IR Emitter with Temperature Sensor

| | | |
|----------------------|------------------------------|--------------------------|
| Power Supply | Input voltage | 80-240 VAC 50/60 Hz |
| | Output power | 3W / 12V |
| | Protection | Internal protection fuse |
| Output | Current consumption | 10-30 mA / 12 V DC |
| | IR emitter peak wave length | 940 nm |
| | Radiated emission power (Φe) | 2,4 mW |
| | Length of connected wire | < 5 meters |
| Reaction time | | approx. 30ms |
| Mounting | Din rail | Standard 35mm din rail |



Wi-Fi Energy Servant Sensor

| | | |
|---------------------------------|-----------------------------|---------------------------------------|
| Input | PIR motion sensor | Dual element pyro-electric ceramic |
| | IR receiver | TIS Infrared code receiver |
| | Temp sensor | Resistance temp sensor |
| Output | Light intensity meter | Detection range 0-2000 Lux |
| | Infrared transmitters | 4 probes to cover 260 degree |
| | Number of channels | 1 |
| | Nominal voltage | 0 – 230 V AC 50/60 Hz |
| Output switching current | Nominal current per channel | 8 A / 230 VAC |
| | Max Switching current | 10A/230 VAC resistive |
| | Max Continues current | 6A/230 VAC florescent |
| Output service life | Max Switching voltage | 277VAC / 30VDC |
| | Mechanical endurance | > 10,000,000 OPS |
| Mounting | Ceiling mount | by 2 screws on the base of the sensor |



Wi-Fi Motion Sensor

| | | |
|---------------------------------|-----------------------------|---------------------------------------|
| Input | PIR motion sensor | Dual element pyro-electric ceramic |
| | Light intensity meter | Detection range 0-2000 lux |
| Output | Number of channels | 2 |
| | Nominal voltage | 0 – 230 V AC 50/60 Hz |
| | Nominal current per channel | 8 A / 230 VAC |
| Output switching current | Max Switching current | 10A/230 VAC resistive |
| | Max Continues current | 6A/230 VAC florescent |
| | Max Switching voltage | 277VAC / 30VDC |
| Output service life | Mechanical endurance | > 10,000,000 OPS |
| Mounting | Ceiling mount | by 2 screws on the base of the sensor |



Wi-Fi Portable Power Outlet

| | | |
|---------------------------------|-----------------------------|-------------------------|
| Input | Input voltage | 110-230 VAC 50/60 Hz |
| | Number of channels | 1 |
| Output | Nominal voltage | 110 – 230 V AC 50/60 Hz |
| | Nominal current per channel | 10 A / 230 VAC |
| | Max. switching current | 16A/230 VAC resistive |
| Output switching current | Max. continues current | 8A/230 VAC florescent |
| | Max. switching voltage | 10A/230 VAC |
| Output service life | Max. switching voltage | 440VAC / 125VDC |
| | Mechanical endurance | > 10,000,000 OPS |



Thermostatic Radiator Valve

| | | |
|------------------|----------------------|--|
| RF Signal | Wi-Fi Signal | 863 MHz |
| Voltage | Operating Voltage | By 2 x AA 1.5 V batteries |
| | Temperature settings | 5°C – 35°C, in 0.5°C |
| Functions | Accuracy | ± 1°C |
| | Control | PID |
| Mounting | On Radiator Valve | M30 x 1.5 universal type head to body connection |



AIR BUS Converter With Power Supply

| | | |
|----------------------------|---------------------|--|
| Power supply | Input voltage | 80-240 VAC 50/60 Hz |
| | Output power | 3W / 12V |
| | Protection | Internal protection fuse |
| Mounting | Current consumption | 10-30 mA / 12 V DC |
| | Behind the panel | Attachable to the back of TIS panel, fits in all standard back box |
| Connection terminal | Din rail | Standard size din rail mount |
| | Load and power | Screw terminal 0,25...2mm2 |
| | Data / Bus | Connectors link |
| | Panel link | 2 female connectors for TIS panel connection |



Wi-Fi IR Emitter with Temperature Sensor & 2 Inputs

| | | |
|----------------------|------------------------------|-------------------------------|
| Input | Voltage | 5 Volt DC (using USB charger) |
| | Temperature | Temperature sensor |
| | Digital inputs | 2xDigital inputs |
| Output | IR emitter peak wave length | 940 nm |
| | Radiated emission power (Φe) | 2,4 mW |
| | Length of connected wire | < 5 meters |
| Reaction time | | approx. 30ms |
| Mounting | Din rail | Standard 35mm din rail |



AIR BUS Converter

| | | |
|----------------------------|----------------|--|
| Connection terminal | Load and power | Screw terminal 0,25...2mm2 |
| | Data / Bus | Connectors link |
| | Panel link | 2 female connectors for TIS panel connection |
| Mounting | Din rail | Standard size din rail mount |



Audio Streamer Wireless 4-Zone Player

| | | |
|----------------------|---------------------|--|
| Input | 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 |
| Output | Auxiliary in | Analog 3.5mm connector |
| | Amplified output | 4 x 40 Watt / 8 ohms |
| | Auxiliary output | Analog 3.5mm connector |
| Reaction time | Current consumption | <50 mA / 24 V DC (Standby), 9A /24V peak |
| Mounting | | approx. 20ms |
| | Table Top | On table or any surface |



Dion Single-gang Smart Wall Switch

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



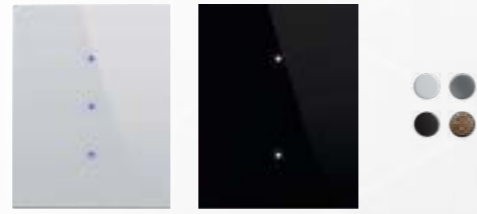
Dion Two-Gang Smart Wall Switch

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



Dion Three-Gang Smart Wall Switch

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



Venera Series Touch Panel

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



Universal Dimmer Module

| | |
|-------------------------------|-------------|
| Communication Protocol | Zigbee® 3.0 |
| Voltage | 100-240V AC |
| Output | 1Ch > 400 W |
| Waterproof grade | IP20 |
| Material | ABS Plastic |



RGBW LED Controller

| | |
|-------------------------------|-------------|
| Communication Protocol | Zigbee® 3.0 |
| Input Voltage | 12-36V DC |
| Output Current/Channel | 4 × 5A max |
| Wattage | 96W |
| Protection rate | IP20 |



2 Gang Switch Module

| | |
|-------------------------------|---------------|
| Communication Protocol | Zigbee® 3.0 |
| Operation temp. | -10°C - +40°C |
| Voltage | 90-250V AC |
| Current | 10A max |
| IP rating | IP20 |



Smart RGBW Light Bulb

| | |
|-------------------------------|----------------------|
| Communication Protocol | Zigbee® 3.0 |
| Light Beam Angle | 220 degrees |
| Color Temperature | 1800 K - 6500 K |
| Voltage Range | 220-240VAC, 50/60 Hz |
| Wattage | 8.5 W |

Shutter / Curtain Controller Module

| | |
|-------------------------------|----------------|
| Communication Protocol | Zigbee® 3.0 |
| Voltage | AC 230 V |
| Current | 5A |
| Range | ≤ 200m |
| Operating temp | -10°C - + 40°C |



Zigbee Smart Plug

| | |
|-------------------------------|-----------------|
| Communication Protocol | Zigbee® 3.0 |
| Voltage | 230V~/ 50Hz |
| Maximum Load | 3680W |
| Plug Format | EU, UK Standard |
| Operating Frequency | 2400-2483.5 MHz |



Smart Valve Controller

| | |
|---------------------------|-------------|
| Communication Protocol | Zigbee® 3.0 |
| Water Valve Power voltage | DC12V-1.5A |
| Standby Power | 0.3W |
| Valve pressure | 1.6MP |
| Torque | 40kg.cm |



Curtain Motor Battery Based

| | |
|------------------------|--------------------|
| Communication Protocol | Zigbee® 3.0 |
| Battery | lithium ion |
| Battery Lifetime | 6 Month |
| Max. rail length | 6 meter |
| Function | Two side/ One side |



Zigbee <-> TIS BUS Gateway

| | | |
|--------------------------|---------------|--|
| Input | Zigbee | Zigbee 3.0 |
| | RS485 | TIS-BUS |
| Output switching current | RJ45 | Ethernet UDP - TCP/IP connection |
| | Zigbee 3.0 | Program 128 channel |
| Mounting | Ethernet RJ45 | UDP TIS Protocol – TCP/IP TIS cloud |
| | Wall mount | By UDP ethernet port |
| Reaction time | | To rest IP address to 192.168.10.100 (default) |
| | Din rail | Standard 35mm din rail |
| | Wall mount | screw holder on the back of the module |



Smart Door/Window Sensor

| | |
|---------------------------|-----------------------|
| Communication Protocol | Zigbee® 3.0 |
| Low Battery Indicator | Yes |
| Working voltage | 3V DC(CR2032 Battery) |
| Alarm Triggering Distance | 23 ± 5 mm |
| Battery Life | More than one year |



Smart Door Sensor with Bypass Button

| | |
|---------------------------|-------------|
| Communication Protocol | Zigbee® 3.0 |
| Alarm Triggering Distance | 23 5 mm |
| Battery Life | 3 Years |
| Battery Type | 1xCR2 |



Carbon Monoxide Detector

| | |
|------------------------|-------------------------------|
| Communication Protocol | Zigbee® 3.0 |
| Working voltage | DC3V (CR123A lithium battery) |
| Standby current | ≤20uA |
| Alarm current | ≤60mA |
| Working environment | -10°C +50°C |



Zigbee key Fob

| | |
|---------------------------|--|
| Communication Protocol | Zigbee® 3.0 |
| Function | 4 Buttons Arm, Away, Night, Disarm and Panic |
| Operating frequency range | 2400-2483.5MHz |
| Maximum RF output power | 10dBm |
| Battery type | CR2032 |



Siren And Flasher

| | |
|------------------------|-------------|
| Communication Protocol | Zigbee® 3.0 |
| Working Voltage | 100-240V AC |
| Backup Battery | 3-7V |
| Alarm Sound Level | 95dB |



Smart Smoke-Detector

| | |
|------------------------|---------------|
| Communication Protocol | Zigbee® 3.0 |
| Working Voltage | DC 3V Battery |
| Alarm Indication | Red LED |
| Alarm Sound Level | ≥85dB/3m |



Water Leak Detector

| | |
|------------------------|-----------------------|
| Communication Protocol | Zigbee® 3.0 |
| Wireless Range | 100ft (40m) LOS |
| Operating Frequency | 2405MHz-2480MHz |
| Power Supply | 2 x AAA, 3V Batteries |
| Operating Humidity | <85% |



PIR Motion Sensor Wall Mounted

| | |
|------------------------|-------------|
| Communication Protocol | Zigbee® 3.0 |
| Operating Frequency | 2.4 Ghz |
| RF Output Power | <10dBm |
| Battery Type | CR2032 |
| Operating humidity | <85% |
| Detection Angle | 110° |
| Detection Range | 5m |
| Optimum Height | 2.5m |



Smart Gas Sensor

| | |
|------------------------|-------------------|
| Communication Protocol | Zigbee® 3.0 |
| Transmit power | ≤10dBm |
| Working voltage | DC12V (adapter) |
| Gas Type Detection | Natural gas (CH4) |
| Alarm current | ≤150mA (DC12V) |

TIS DISTRIBUTUTERS



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