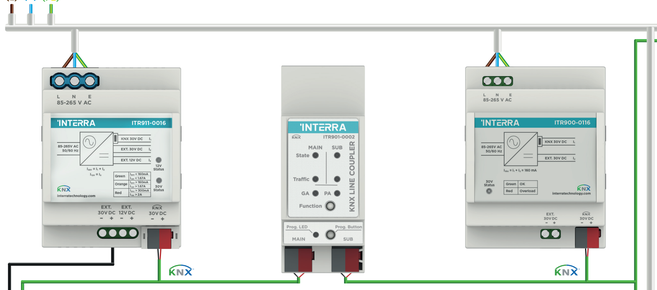
INTERRA

Developer of Uniqueness

Cable Sections
- DALI Cable 2 x 1,5mm
- KNX Cable 2 x 2 x 0,8mm

Grid Voltage
(L) (N) (PE)

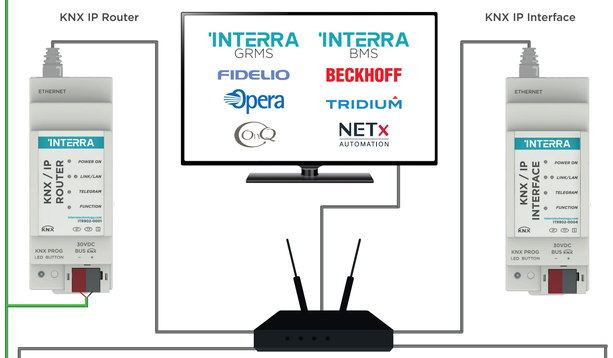


KNX Multi Power Supply
- 160 mA 30V DC + 1.67A 12V DC

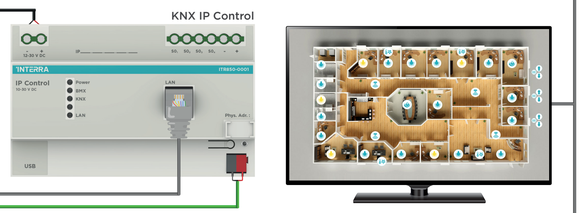
KNX Line Coupler

KNX Power Supply
- 160 mA 30V DC
- 320 mA 30V DC
- 640 mA 30V DC
- 1280 mA 30V DC

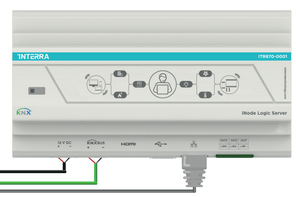
Interra KNX/IP Devices



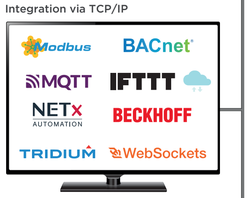
Interra Monitoring Software and Integration



iNode Logic Server



Integration via TCP/IP

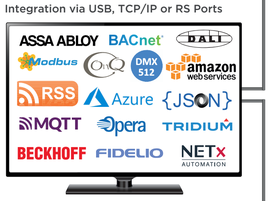


iBMS Logic Server

Siri

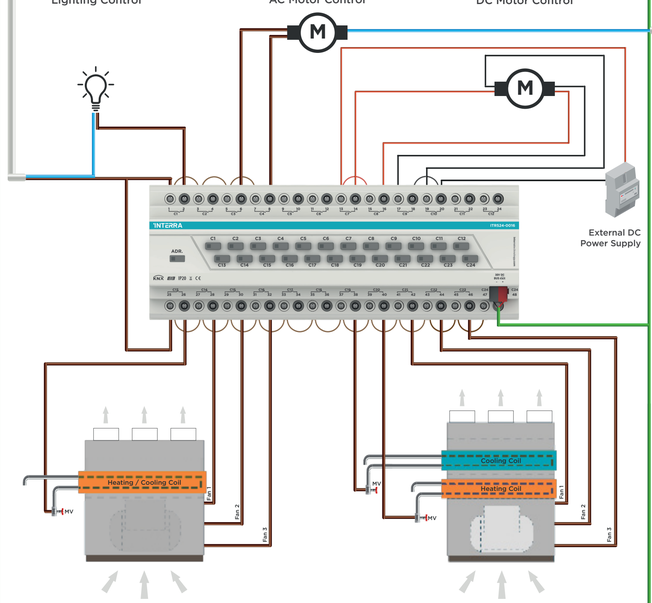
Google Assistant

Integration via USB, TCP/IP or RS Ports



Interra KNX Combo Actuators

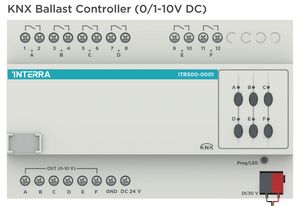
Lighting Control | AC Motor Control | DC Motor Control



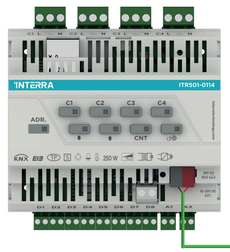
- 4 / 8 Channels
- 12 / 16 Channels
- 20 / 24 Channels

Interra KNX Dimmer Actuators

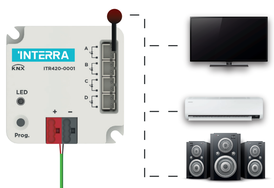
KNX Ballast Controller (0/1-10V DC)



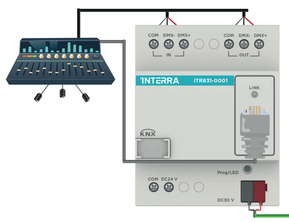
KNX Universal Dimmers with Inputs



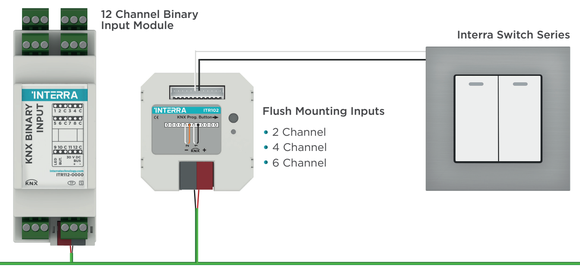
KNX IR Gateway



KNX / DMX Gateway

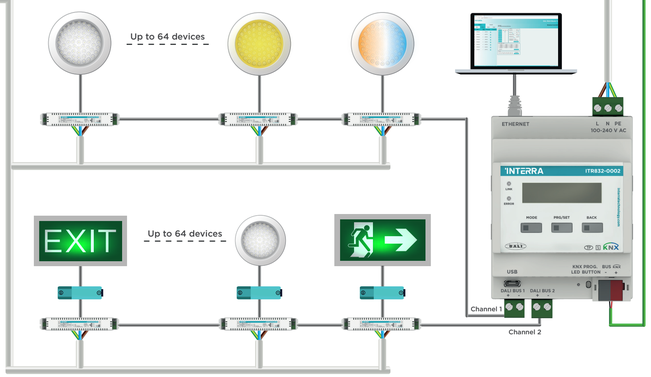


KNX Binary Input Series

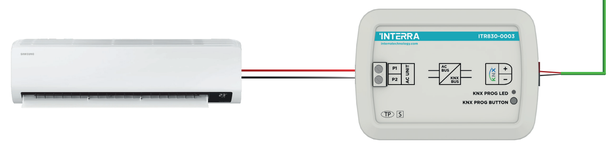


KNX / DALI Gateway Solution

Tunable White Control | RGBW Control | Dimming Control | Emergency Lighting



Interra KNX AC Gateway Series



DAIKIN Sky | DAIKIN Split | LG | MITSUBISHI HEAVY INDUSTRIES | MITSUBISHI ELECTRIC | DemirDöküm
GREE VRF | GREE Split | VIESMANN | Haier | Vaillant | SAMSUNG | TOSHIBA
ALARKO | arçelik | BOSCH | VESTEL | Midea | YORK | Carrier

Interra Weather Station GPS

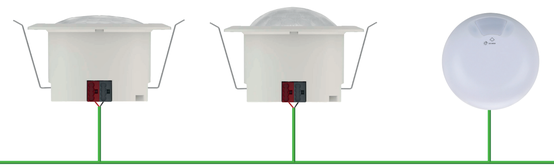
It takes into account the compass direction of the sun and the shade of the trees.

The slats of the blind adjusted according to the height of the sun.

It takes into account the shadow cast by the roof overhang and knows the shadow edge.

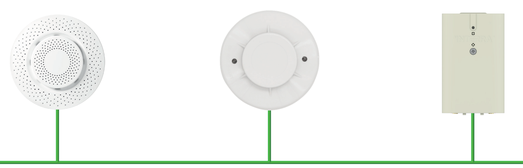
Interra KNX Sensor Series

KNX Presense Sensors | KNX Motion Sensor | KNX Microwave Sensors



Interra KNX Detector Series

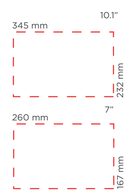
KNX Air Quality Sensor | KNX Heat and Smoke Detector | KNX Water Flood Detector



KNX Touch Panel Series

INTERRA TOUCH PANEL

Color Options
- Black Acrylic
- Black Aluminium
- Stainless Steel



iOS | android | Wi Fi

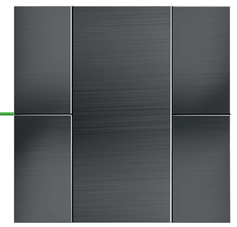
INTERRA i7+

- Thermostat Function
- New UI Design
- Thin and Vertical Design
- Slim Case
- Timer Scenarios

Interra i7+ is a touch panel that provides smart control in commercial applications such as hotels, offices and factories with its super thin and vertical design, modern appearance and new features.

KNX Smart Switch Series

iSwitch with LCD

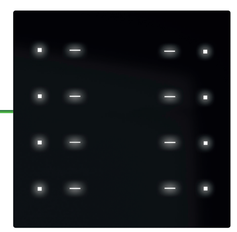


iSwitch

iSwitch

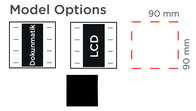
Model Options

Aluminium Series | Plastic Series | Plexi-glass Series | Stainless Steel



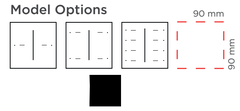
Just Touch

Model Options



Pure Touch

Model Options



Disclaimer: Drawings shown in this catalog cannot be used as technical information.

5000+ Smart Building Solutions by INTERRA

Interra R&D Center
Cumhuriyet Mh. Kartal Cd.
Kartal / Istanbul - Turkey

T: +90 216 326 26 40
F: +90 216 324 25 03
E: info@interra.com.tr

interratechnology.com

Interra KNX Product Catalogue

Scan for pdf version.

For more information visit interratechnology.com

For more information visit interratechnology.com

Commercial

Smart Building Solutions

INTERRA
Developer of Uniqueness

Export to 100+ Countries

System Integrators and Distributors in 75 Countries

Interra Offices in 30 countries

- Albania
- Algeria
- Australia
- Azerbaijan
- Bahrain
- Bulgaria
- Cameroon
- Egypt
- France
- Iraq
- Iran
- Jordan
- Kazakhistan
- Kuwait
- Mongolia
- Morocco
- New Zeland
- Oman
- Pakistan
- Palestine
- Poland
- Qatar
- Romania
- Russia
- Spain
- Turkey
- U.A.E
- Ukraine
- Uzbekistan
- United Kingdom

15 YEARS OF **R&D** EXPERIENCE

DALI · INTERRA *Developer of Uniqueness* · KNX

110+ Employees	**450+** Product Range	**%40** of annual turnover invested in R%D
125.000+ Touch Panels in the field	**300.000+** Smart Switches in the field	**320.000+** Combo Actuators in the field
65.000+ AC Gateways in the field	**95.000+** KNX Sensors in the field	**335.000+** KNX Components in the field

Interra Commercial Smart Building Solutions

Interra provides maximum performance and comfort in working environments and makes safety and energy efficiency easier than ever with smart building solutions such as lighting, shutter, HVAC control, security, energy management, and many more.

KNX · DALI · IoT · iOS · android · Modbus · BACnet

10.1'' Touch Panel

i7+

Just Touch

Pure Touch

iSwitch LCD

iSwitch

Interra Switch & Socket Series

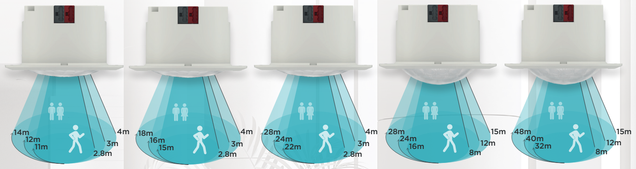
KNX Mid-Range Presence Sensor

KNX Mid-Range+ Presence Sensor

KNX Wide-Range Presence Sensor

KNX High-Bay Motion Sensor

KNX High-Bay+ Motion Sensor



Interra KNX Sensor Series

With Interra KNX Sensor series, functions like energy and lighting management, heating, and air conditioning in indoor spaces can be integrated into building automation systems in an innovative and reliable way.

A Wise Investment for Smart Buildings

In this new era where the production processes are radically changed with IoT Technologies and Industry 4.0, smart building systems offer great advantages when compared to classical electrical systems. Integration of all functional subsystems into a single communication channel, which is almost impossible with conventional technology, provides optimal and maximum energy efficiency. You can find the most suitable solutions for your needs with Interra's wide integration options.

Worldwide Standard - KNX

KNX is a worldwide standardized protocol for the automation of residential and non-residential buildings in accordance with the international standard (ISO/IEC 14543-3), the European standard (CENELEC EN 50090, CEN EN 13321-1 and 13321-2), the Chinese standard (GB/Z 20965) and the US standard (ANSI/ASHRAE 135).

Complete Product Range

With its complete KNX product range, Interra is the only Turkish brand that can offer complete solutions in line with the wishes of our project partners from lighting and blind control to heating, ventilation, security, energy management, and much more.

Reliable Integration

KNX combines all the components in the electrical installation to create a networked system and thus guarantees the transparency and utilization of information across the installation. It means all components communicate via a single bus cable. In this way, it is possible to integrate all the different functional subsystems within the building into a seamless solution.

Profitable Investment

Interra smart building solutions allow you to gain many cost advantages from the automation system throughout the lifetime of the buildings, from the planning to the construction phase, to operation and management. Due to the profitability that it provides in the long term, it provides a shorter amortization period for your investments.

Smart Building Functions Covered by Interra Solutions

Lighting, Blinds and HVAC Controls

Optimize the lighting systems to save energy, and provide optimum working conditions and comfort. Interra provides continuous and accurate monitoring of ambient room temperature and controls heating, ventilation, and air conditioning to create optimum temperature and air quality for building occupants. Control the blinds and jalousie together with the heating and lighting system. Allow natural daylight to improve indoor working conditions.

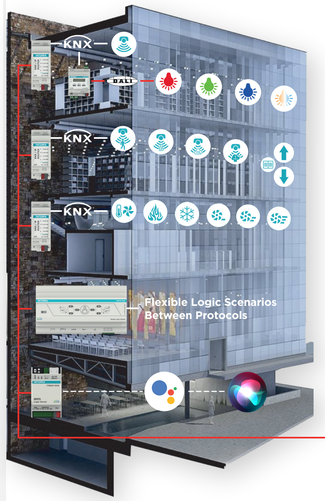
Safety and Security

Integrate door communication systems, emergency call stations and intrusion, water, smoke and gas leak detection alarms for a smart and secure building.

Energy Monitoring and Measuring

Monitor and measure the energy consumption of assets or subsystems to optimize the electrical system and save energy and perform control actions.

Interra Smart Building Integrations



KNX / IP Router

As the pioneering smart home technology leader of Turkey, we are proud to present the one and only locally produced KNX / IP Router.

ITR902-0001 - KNX / IP Router is a KNXnet/IP routing and tunneling device that connects the KNX line and Ethernet network. The device can also be used as a KNX IP line coupler without requiring any power supply.

The ability to address all devices in the KNX system makes network operations less time-consuming. To facilitate commissioning, temporary access to other lines is also possible without downloading from the ETS.

With the feedback LEDs on it, it allows you to quickly receive feedback such as faulty communication and fault status.

Interconnected Technologies

iNode Logic Server

Creating complex logic scenarios is easier than ever with iNode Logic Server.

Interra iNode Logic Server is designed to communicate between devices that are using different protocols and send telegrams/data to Building Management Systems (BMS). With iNode Logic Server, flexible and complex control configurations and scenarios can be created between different protocols. Its Node-based dynamic drag-and-drop editor enables configuring nodes, flows, and dashboards to control the automation system.

Node Based Dynamic Logic Server

Drag & Drop Editor

Event Based Programming
Node Based Logic Editor
Functional Programming Support

- ✓ Supports up to 10.000 different data points
- ✓ Strengthened with 3 outputs and 3 inputs
- ✓ Configuration by its embedded web interface
- ✓ Customizable User Interface (Dashboard)
- ✓ Comes with ready-to-use nodes

Modbus · IFTTT · Z-Wave · GSM · DALI · BECKHOFF · MQTT · ASSA ABLOY · WebSockets · NETx AUTOMATION · Opera · BACnet · {JSON} · TRIDIUM · Bluetooth 4.0 · OnQ · amazon web services · Azure · FIDELIO · ZigBee · DMX 512 · LoWPAN · RSS

KNX / DALI Gateway

A unique lighting atmosphere with maximum flexibility in the lighting design of your projects!

In addition to KNX building automation, DALI (Digital Addressable Lighting Interface) has become the most important lighting protocol in today's building management systems. With the Interra KNX / DALI Gateway, which supports 1x64 and 2x64 channels, we bring together two of the world's most important building automation standards.

- Support for up to 64 DALI devices for each channel
- Possibility to group up to 16 DALI for each channel
- Individual, group and broadcast control possibilities
- Integrated DALI Power Supply
- Faulty ballast and lighting detection
- Tunable White and RGB color control
- Remote software update
- Commissioning the addressed areas by preserving their addressing
- Emergency lighting ballast control
- Auto function and battery test for emergency lighting products
- Commissioning via ETS without additional software
- Effective manual control with the help of display and buttons
- Quick and practical commissioning of repetitive parametric structures

iBMS Logic Server

Interra iBMS Logic Server acts as cross-standard gateway, cloud service integrator, complex network logic engine, easy-to create visualization platform, IP Router and much more. Further, It supports iOS Siri and Google Voice control via native apps available in App Store and Google Play.

Interra iBMS Logic Server is your most straightforward way to program complex logic in KNX/EIB, Modbus, BACnet, and networks. It will enable you to efficiently customize building automation processes, quickly delivering unlimited flexibility benefits to end users in a cost-effective way.

iBMS is an embedded platform with integrated Ethernet, USB, KNX/EIB, and Serial interfaces. It allows us to use it as a cross-standard gateway, logic engine, visualization platform, and IP Router. Scripting templates provide a user-friendly, flexible configuration interface and integration with cloud/web services, 3rd party devices.