'INTERRA
CERTIFIED R&D CENTER OF AUTOMATION
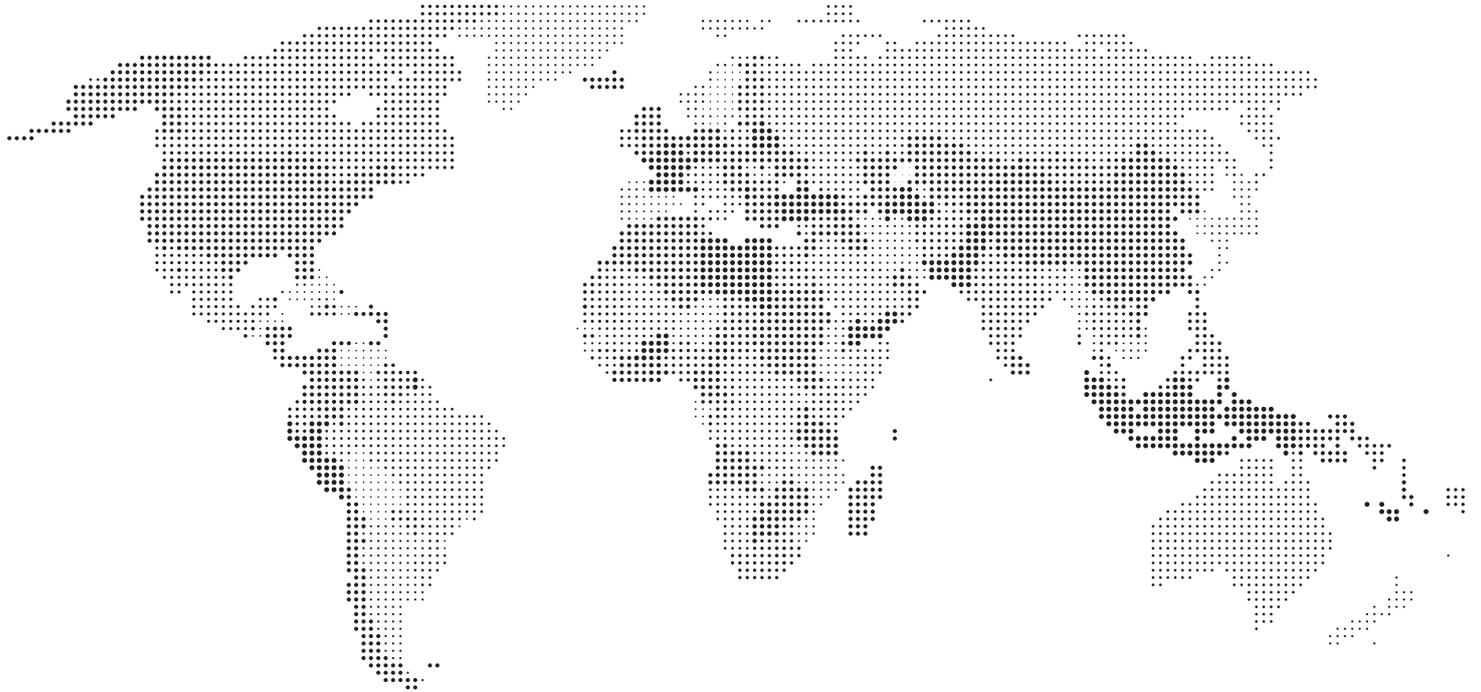*Developer of Uniqueness*

KNX Product Catalog

'INTERRA

THE GLOBAL BRAND INTERRA

Australia	Greece	Oman
Austria	Hungary	Poland
Azerbaijen	India	Portugal
Bahrain	Indonesia	Qatar
Belgium	Iran	Romania
Bosnia	Israel	Russia
Cameroon	Italy	Singapore
China	Jordan	Spain
Egypt	Kingdom Of Saudi Arabia (KSA)	Tunusian
Estonia	Kosovo	Ukraine
Finland	Lebanon	United Kingdom (UK)
France	Morocco	United Arab Emirates (UAE)
Germany	Norway	

C O N T E N T S

'INTERRA
CERTIFIED R&D CENTER OF AUTOMATION
Developer of Uniqueness

Each Interra product is designed to be unique.

Interra is a company that develops both software and hardware with its R&D teams experienced in the field of automation. By aiming each product to primarily comply with high-quality standards, the company uses the highest quality components. With this vision, Interra is a leader in the primary local and environmental markets, and is one of the important players in the global arena.

Products that make a difference with research, development ...

Each Interra product is designed to be unique. None of the products in the product palette are ordinary. They have features in their details that make them unique. This is the basic philosophical approach of Interra. It is a great mission in which great experiences are mixed with product parameters such as touch panel, iswitch, combo etc., and form and design.

Complementary products...

Interra has provided the most needed solutions with the products it produces. Be it a residence or a commercial building, you can provide the most optimal solution with Interra.

Business Partnership, Dealership, OEM partnership

Our ethical approach to dealership has made Interra a common brand in a growing geographical area. As a result of our globalization policy, we initiated two years ago, we currently have partnerships in 32 countries. These are shaped by markets and needs and they usually in the form of distributorships, dealerships for integrators, project-based partnerships and OEM partnerships.

In the future...

Can we imagine what kind of important changes 50 billion devices will make on the modes of living with their smart programs when they will be able to directly intercommunicate in 2050, many deficiencies will be detected and provided by the next generation smart devices. Devices produced in the new era, that we call the internet age, will be able to meet daily needs on their own by connecting to smart networks, and the integration into mobile services will be available and manageable at all times. The common feature of fast-growing industries in the Internet age is that they determine their customers' lifestyles by creating flexible and enjoyable solutions in the service module thanks to the software programs with which they have equipped it. When product costs are combined with included service modules, how much the added value has increased can be understood from everyday consumables.
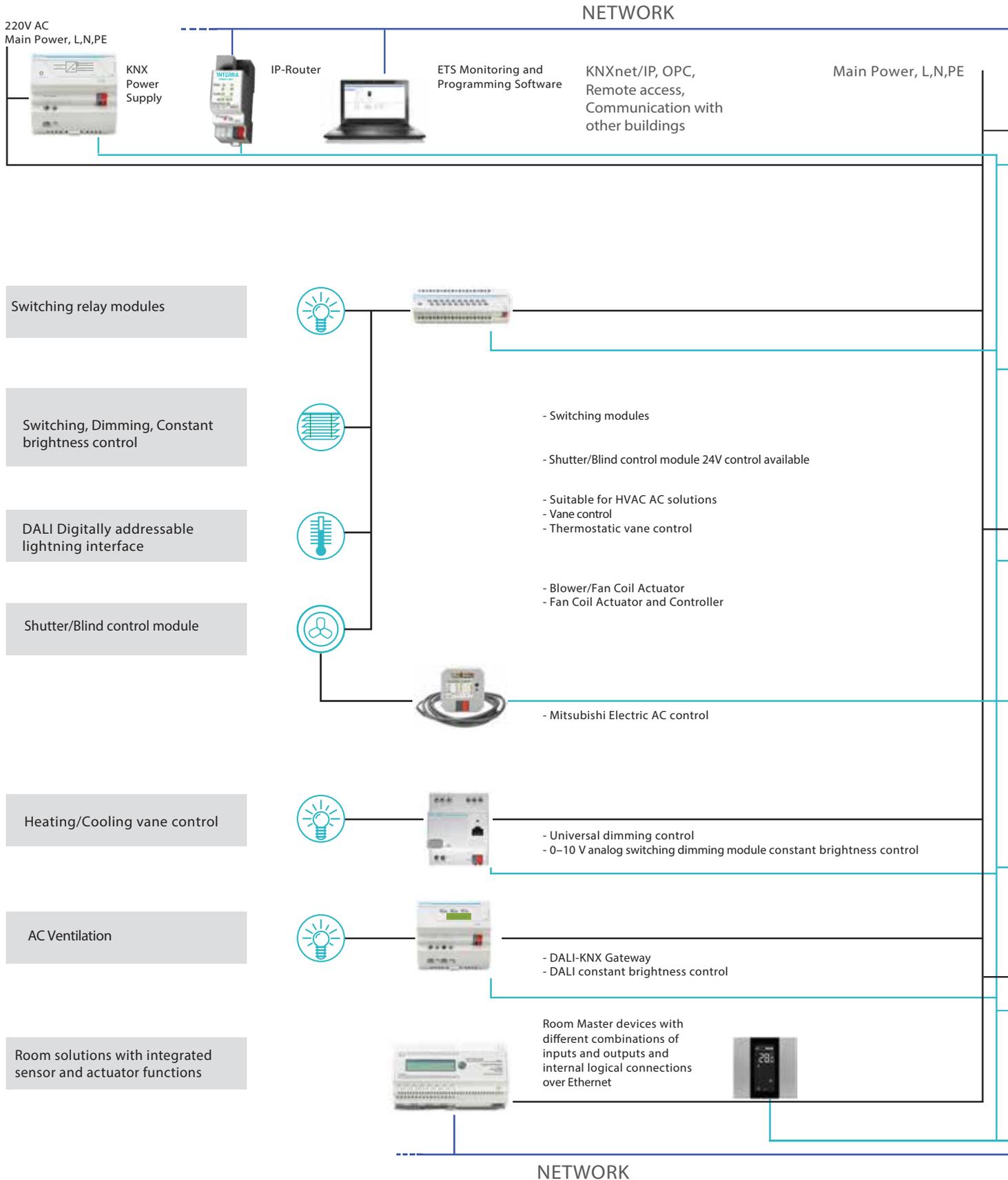
In the future, Interra aims to develop sustainable solutions with quality products and dynamic and flexible products that customers can always use.

Building designers did not use to mention about energy saving in buildings much; however, today it is prominent among the issues that need to be considered important and taken seriously throughout the world. It is becoming more and more important that designed products or places should be designed to use natural resources at a minimum level. While Interra engineers are developing new systems, they develop their product visions in a way that is respectful to eco-environment, and according to regulations determined by global standards.

Differences can be met as long as the systems and service modules offered in the market are of global standards. Customers prefer solution partners that can integrate, create brand-independent flexible solutions and have extensive service network, rather than closed solutions. Interra develops integrated solutions for international systems such as KNX, IoT, Bacnet, and Modbus in all of its projects. Thus, without having to be bound by time, it finds a market area in many regions of the world, especially in Europe, with its sustainable solutions.

KNX General Principle

Building Solution
KNX – General View

NETWORK

220V AC
Main Power, L,N,PE

KNX Power Supply

IP-Router

ETS Monitoring and Programming Software

KNXnet/IP, OPC, Remote access, Communication with other buildings

Main Power, L,N,PE

Switching relay modules

Switching, Dimming, Constant brightness control

DALI Digitally addressable lightning interface

Shutter/Blind control module

- Switching modules

- Shutter/Blind control module 24V control available

- Suitable for HVAC AC solutions
- Vane control
- Thermostatic vane control

- Blower/Fan Coil Actuator
- Fan Coil Actuator and Controller

- Mitsubishi Electric AC control

Heating/Cooling vane control

- Universal dimming control
- 0–10 V analog switching dimming module constant brightness control

AC Ventilation

- DALI-KNX Gateway
- DALI constant brightness control

Room solutions with integrated sensor and actuator functions

Room Master devices with different combinations of inputs and outputs and internal logical connections over Ethernet

NETWORK

KNX-Main Line/TP

Power Supply

Line Coupler

- 64 devices/line
- 15 lines/area with superordinated main line
- max. 15 areas with superordinated area line

Line	1	2	3	4	...	...	13	14	15

Detect and evaluate switching commands

Display operating conditions and control functions

- Presence Detector
- Movement Sensor
- Light Sensor

Detect presence and movement

Measure brightness levels

- Room Thermostat
- Temperature and Humidity Sensor

Capture, evaluate, monitor and control room conditions, temperature, air quality, etc.

- Security Terminal
- Security Module
- KNX Security Panel
- Fault Monitoring Unit
- Monitoring Unit
- Data Logging Unit

Monitor operating conditions, signal technical faults, recognize hazards and trigger alarms

- Room outside sensor with card reader
- Transponder Card
- Configuration Software

Access Control system for hotel rooms

System Components
Power Supplies

	ITR900-164	ITR900-320	ITR900-116
General			
Supply Voltage	85-240VAC	85-240VAC	85-240VAC
Type of installation	MDRC	MDRC	MDRC
Module width (18 mm)	4	4	4
Power Consumption(Max)	55W	30W	21W
Power Consumption(Typical)	24W	12.5W	6.6W
Rated current (Total)	640mA	320mA	160mA
Rated voltage	30VDC	30VDC	30VDC
Outputs			
Output with Choke (KNX Bus)	■	■	■
Output without Choke	■	■	■
LED Indication (Two colored single LED)			
Short-circuit	RED (Flashing)	RED (Flashing)	RED (Flashing)
Overload indication	RED (Continuous)	RED (Continuous)	RED (Continuous)
Operating Status (trouble-free)	Green	Green	Green
Protection			
Short Circuit	■	■	■
Over Temperature	■	■	■
Connections			
KNX Bus	Bus Connection Terminal	Bus Connection Terminal	Bus Connection Terminal
External Supply	Screw Terminal	Screw Terminal	Screw Terminal
Mains Voltage Input	Screw Terminal	Screw Terminal	Screw Terminal
Dimensions (WxLxH)			
	70x90x66	70x90x66	70x90x66
Housing			
	Plastic Housing(White Color)	Plastic Housing(White Color)	Plastic Housing(White Color)

■ = Function is supported

ITR900-116

Power Supply Standard, 160 mA, MDRC

KNX power supplies generate the KNX system voltage (SELV).
The bus line is decoupled from the power supply by an integrated choke.
The voltage output is short-circuit and overload protected.
The two-color LED indicates device output status.
Power supply has an additional 30 V DC short-circuit and overload protected voltage output that can
be used to power an additional bus line (in combination with a separate choke).
With two-coloured status indicator and wide range input from 85…265 V AC, 50/60 Hz.

Description	MW	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
	4	ITR900-116		1	0,30

ITR900-132

Power Supply Standard, 320 mA, MDRC

KNX power supplies generate the KNX system voltage (SELV).
The bus line is decoupled from the power supply by an integrated choke.
The voltage output is short-circuit and overload protected.
The two-color LED indicates device output status.
Power supply has an additional 30 V DC short-circuit and overload protected voltage output that can
be used to power an additional bus line (in combination with a separate choke).
With two-coloured status indicator and wide range input from 85…265 V AC, 50/60 Hz.

Description	MW	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
	4	ITR900-132		1	0,30

ITR900-164

Power Supply Standard, 640 mA, MDRC

KNX power supplies generate the KNX system voltage (SELV).
The bus line is decoupled from the power supply by an integrated choke.
The voltage output is short-circuit and overload protected.
The two-color LED indicates device output status.
Power supply has an additional 30 V DC short-circuit and overload protected voltage output that can
be used to power an additional bus line (in combination with a separate choke).
With two-coloured status indicator and wide range input from 85…265 V AC, 50/60 Hz.

Description	MW	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
	4	ITR900-164		1	0,30

System Components
IP Router, Line Coupler

	IP Router ITR901-001	Line Coupler ITR901-002
General		
Supply Voltage	21-30V DC	21-30V DC
Module width (18 mm)	2	2
Current consumption	< 40 mA	< 30 mA
ETS	ETS 4/5	ETS5
KNX Secure		
Filter Group telegrams main group 0...13	■	■
Filter Group telegrams main group 14...31	■	■
Function Repeater	–	■
Commissioning and diagnostic functions		
Control and diagnosis via ETS	■	■
Firmware update	■	–
Unicast parameterization	■	–
Housing		
Dimensions (HxWxD)	90 x 36 x 71 mm	90 x 36 x 71 mm
Mounting (IEC60715)	35 mm top-hat rail	35 mm top-hat rail
KNX bus connection	KNX connector (red/black)	KNX connector (red/black)
Ethernet connection	Ethernet connector (RJ45)	
Weight	70 g	66 g
Environmental Conditions		
Working temperature:	-5…45 °C	-5…45 °C
Storage temperature	-20...60 °C	-20...60 °C
Ambient humidity (non-condensing)	5…93 %	5…93 %

■ = Function is supported

— = Function is not supported

KNX Ip Router

ITR901-001 is a KNXnet/IP routing & tunneling device and works as KNX IP line/area coupler. An external power supply is not necessary. The abil-ity to address all bus devices in the KNX bus system makes network opera-tions less time-consuming. Operational and filtering states, malfunction and faulty communication are indicated by LEDs. UPnP is available and the firmware can be updated by a comfortable Web front-end interfaces.

ITR901-001

Description	MW	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
	2	ITR901-001		1	0,70

KNX Line Coupler

Basic functionality of the TP line coupler ITR901-002 is coupling two KNX TP lines (main line and subline) providing galvanic isolation in between. Due to its flexibility ITR901-002 coupler unit can be used as KNX line cou-pler or KNX area coupler (to connect a TP line to a TP area or backbone) or KNX repeater (without filtering). Operational and filtering states, malfunc-tion and faulty communication are indicated by LEDs.
ITR901-002 is able to filter the traffic according to the installation place in the bus system hierarchy and according to the built-in filter tables for group oriented communication.
ITR901-002 supports long messages (up to 240 byte APDU length) and features, for commissioning/troubleshooting, a configurable "Manual Function" with single button press activation and automatic switch-off to temporarily deactivate filtering.

ITR901-002

Description	MW	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
	2	ITR901-002		1	0,66

Interfaces/Gateways

KNX-DMX Gateway

KNX-DMX Gateway module supports two-way control, and can record, play and delete DMX programs. With recording time up to 4 hours, KNX-DMX Gateway can be widely used to control devices with built-in DMX protocol port for LED color control, such as computer light, moving head light, laser light, etc.

ITR831-001

Description	MW	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
	4	ITR-831-001		1	0,70

Mitsubishi Electric To KNX Gateway

ITR830 is used for monitoring and control all the functioning parameters of Mitsubishi Electric air conditioners with KNX and ITR830 is compatible with models in PAC, RAC and City Multi VRF and Industrial types categorized in compatibility list (AP.1) sold by Mitsubishi Electric.
ITR830 has easy installation feature. It can be installed inside the own AC indoor unit, it connects one side directly to the electronic circuit of the AC indoor unit (cable supplied) and in the other side directly to the KNX bus.

ITR830

Description	MW	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
	4	ITR830		1	

DND/MUR

The DND/MUR (Do Not Disturb / Make Up Room) module is a simple way for guests to communicate with staff from their room. Either don't want to be disturbed or need your room to be cleaned, it is as simple as touching a button. The product includes a doorbell button to announce visitors in a kindly way. Besides, optionally the doorbell can be disabled whether the "Do Not Disturb" is active.
Module needs an extra 12-24V VDC power supply for LEDs.
KNX bus enables information exchanges with sensors and the integration with a building management system.
The outdoor module can be customized with the room number, icons (Do Not Disturb / Make Up Room), logo and name of the hotel. Hotels can simply integrate our technology into their own design.

ITR630

Description	MW	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
	4	ITR630		1	

KNX Usb Interface

ITR901-003 USB interface connects a PC to KNX TP via USB and provides a galvanic isolated bi-directional data connection to the KNX bus. With the ETS or another KNX compatible commissioning tool the UIMtp works as programming interface. Due to HID profile support no specific USB driver is required. ITR901-003 also supports the USB suspend mode.

ITR901-003

Description	MW	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
	2	ITR901-003		1	0,66

Interfaces/Gateways
DALI

Smarter Solutions for Home and Building Automation
KNX – Lighting Control – DALI

The Interra DALI Gateways are used to interface between DALI
(Digital Addressable Lighting Interface) and KNX installations.

ITR832-001 DALI-Gateway (2 x DALI Line).
Device incorporate the DALI power supply. The Gateway is equipped with emergency lighting function, support the DALI standard EN 62386-202 that specifies DALI emergency lighting (self-contained). The DALI Gateway also supports EN 62386-209 that specifies control of DALI operating devices of the device type "Colour Control" (DALI Device Type 8) in the specific version "Tunable White (TW)".

ITR832-001 DALI-Gateway
Maximum flexibility combined with highest amount of DALI participants and groups, to meet all customer needs.

The ITR832-001 DALI-Gateway (2 x DALI Line) can install up to 2 x 64 DALI devices both via 2 x 16 flexible DALI and KNX lighting groups each with one or more DALI participants. Control and Monitoring via KNX. Control and status feedback can also be carried out via Broadcast. 2 x 16 independent Lighting scenes are available. Integrated "visualisation" via web-browser for direct control and display the DALI line.
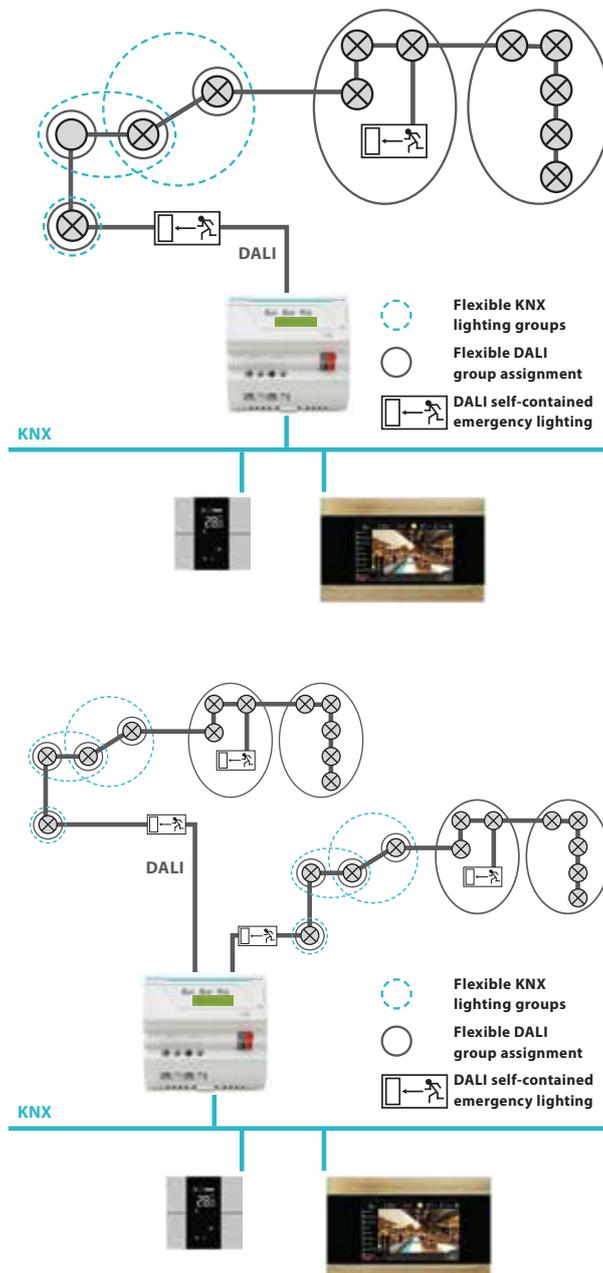
	Gateways ITR-832-001 2xDALI Line
General	
Supply voltage	100-240 V 50-60Hz AC/DC
KNX bus	SELV DC 24V
DALI Bus	FELV DC 18V
Ethernet	RJ-45 plug connector for standard patch cables
Module width (18 mm)	4
Degree of protection	IP20
Number of DALI participants	2 x 64
Number of group control	2 x 16
Self-contained emergency lighting, IEC 62 386 - 202	■
Colour control, IEC 62 386 - 209 (for Tunable Light)	■
Multi master DALI support	—
Manual operation	■
Function	
Enable disable DALI address assignment	■
Switching, dimming, set brightness	■
Staircase lighting	■
Burn-in	■
Scenes	■
Forced	■
Emergency lighting test	■
Reaction on KNX bus voltage failure	■
Reaction on KNX voltage recovery	■
Reaction on DALI bus voltage failure	■
Reaction on DALI voltage recovery	■
Device or lamp fault	■
Light colour and temperature in light scenes	■
Integrated "visualisation" via web-browser for direct control and display	■
Commissioning and diagnostic functions	
Device assignment	■
Group assignment	■
Fault DALI device	■
Fault lamp	■
Commissioning constant light control	—
Integrated web server control	■
Test emergency lighting	■

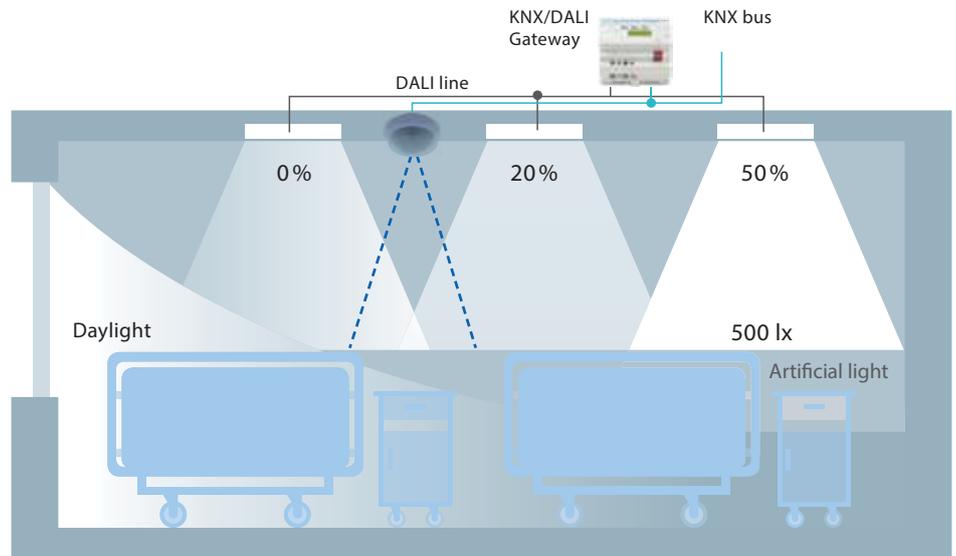■ = Function is supported

— = Function is not supported

ITR832-001

DALI-Gateway, Basic, 2-fold, MDRC

The device is used to interface between DALI and KNX installations and incorporates the DALI power supply. Two DALI output for up to 2 x 64 DALI Slaves. Control and status feedback is carried out via KNX per DALI slave (2 x 64), with lighting groups (2 x 16), together in two broadcasts or per scenes (2 x 16). Extensive fault and error messages are available. Self-contained emergency converter (2 x 64) acc. EN 62386-202 will be supported. By means of KNX and emergency converter, different emergency tests (e.g. function and duration test) can be triggered. Feedback is sent. Slave-, staircase-, force-, block- and scene- function are integrated. DALI telegram rate can change. For diagnostic use and individual change of the DALI address or group assignment a separate is available.

Description	MW	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
	4	ITR832-001		1	0,15

KNX/DALI Gateway

KNX bus

DALI line

0 % 20 % 50 %

Daylight 500 lx

Artificial light

Hospital Application Example:

- **Central monitoring** of several hospitals or buildings reduces staff overheads. To reduce energy costs, energy consumption data can be gathered for analysis, peak loads capped and currently **unneeded consumers switched off.** For example, in peak periods, the output from the air conditioning system can be reduced temporarily, in some areas.
- **Operating costs can be reduced prioritizing maintenance and repair according to need.** This is made possible by counting operating hours and switching cycles, as well as failure reports, e.g. from DALI-ECGs.

| Economy	Specifically
• Using daylight without glare	**Patient rooms**
• Constant light regulation	• Manually controlled room functions
• Lighting according to presence	• Illuminated, clearly labelled pushbuttons
• Heating, cooling, ventilation according to need	
• Reduction of heating in case of open windo	• Timed air delivery and extraction control
• "Central off" for heating at night	**... in restrooms**
• Efficient building management with visualization	• Presence-dependent lighting and extraction system
• Building management of distributed real estate properties	• Water sensors give early warning
• Central monitoring of more than one building	**... in the ward center**
• Monitoring without special monitoring systems	• Ward center with control panel as distribution center
• Maintenance according to need	**... in the conference room**
• Switching off unneeded energy consumers/devices	• Scenario control at the touch of a button
Safety	• Remote control in the conference room
• Presence-dependent corridor lighting	**... in consulting rooms**
• Exterior and walkway lighting	• Lighting matched to requirements
• Indication of windows, roof hatches or doors left open	**... in operating rooms/intensive care ward**
• "Central off" when room unoccupied	• Coloured socket outlets offer secure distinction
• Emergency and escape route lighting	• Switches and socket outlets clearly labelled
• Visualization shows location of danger	• Guaranteed power supply
• External building monitoring	• Any fault reports guarantee power supply
• Automatic reaction in case offire alarm	**... and the right control for every task**
	• Appropriate user interfaces for every requirement
	• Pushbuttons extraordinarily hygienic

Switches
Iswitch

Iswitch

Iswitch, which is at the forefront with its elegant and fashionable design, is presented as a product with the latest technological content which provides up to 12 buttons. 8 and 4 buttons without LCD, and 8 buttons with LCD are available. The number of buttons can be increased according to the desired feature. In addition to providing smart control, it also offers an advantage in terms of energy efficiency. Iswitch, which is fed with KNX port, enables the living area to be used in a quality way. With temperature, humidity sensor and mbad sensor you can create an automatic use. The temperature of the device can be brought to the desired level thanks to the feature that measures the ambient temperature on the device. It allows you to create a comfortable use with its special lighting system, which makes it easy to find in dark environments.

Product Features

Iswitch with being smart system allows you to set the temperature of your home at any level you want. You can easily control your air conditioner, combi and similar products as well as create a desired ambient temperature. You can also change the colors on the model and make personalization. Long-term use is also suitable as it is made of high-quality materials.
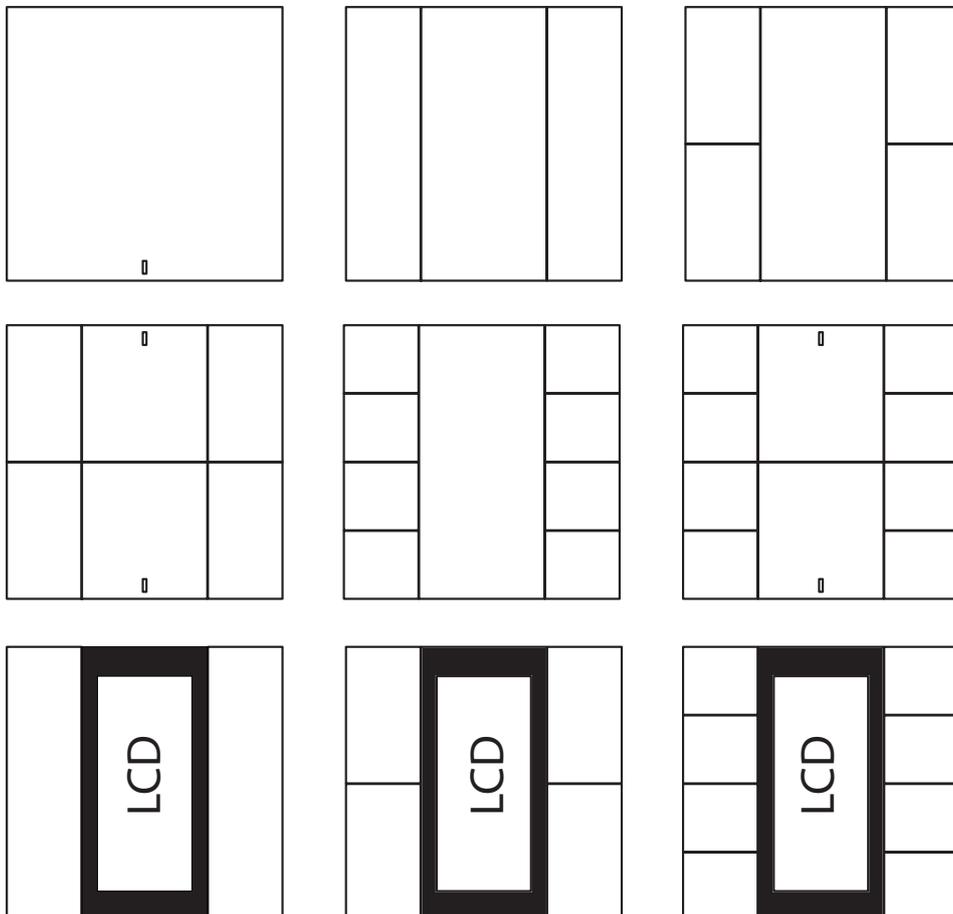
Material and Color

Offering a choice of plastic, aluminium, stainless steel and magnificent glass effect options, Iswitch offers a unique range of custom colors for special taste as well standard colors.
You do not need to allow mismatches in your living space and you do not have to.
iSwitch has integrated RGBW status leds, you can freely choose the color and lighting level.

Plastic	Aluminium	Stainless steel	GlassEF
Jet Black RAL 9005 Matt	Natural Alu	Natural SS	**Black**
Pure white RAL 9010 Glossy	**Jet Black** RAL 9005	Champaingne RAL 1015	Pure white
Pure white RAL 9010 Matt	Champaingne RAL 1015		
Anthracite Matt RAL 7021			
Metalic Gray			

Product and material description

ITR3 AB - T X Y Z

	AB	T	X	YZ
	0 1	0	0	0 0
	1 2	1	1	1
	4		2	2
	6		3	3
	8			4
	0			5
				6

AB	T	X	YZ
Button number indicator	LCD	Material	Color
01 - one button	0 - no LCD	0-acrylic	00 natural - available for alu eloxal and stainless steel
02 - two buttons (1 gang)	1 - with LCD	1 - aluminium (eloxal)	01 black - available for plastic, Alu and glass
04 - four buttons (2 gang)		2 - stainless steel	02 white glossy - available for plastic and glass
06 - six buttons (3 gang)		3 - glassEF	03 white matt - available for plastic
08 - eight buttons (4 gang)			04 Anthracite Matt - available for plastic
10 - ten buttons (5 gang)			05 metalic gray - available for plastic
			06 Champaigne - available for Alu

|	Anahtarlar ITR3XX-0 - 1button, 1gang, 2gang, 3gang, 4gang, 5gang	Anahtarlar ITR3XX-1 - 1gang, 2gang, 4gang
General		
Device locking function	■	■
Navigation blue LED illumination	■	■
Temperature and Humidity sensor	■	■
Alarm flashing LED function	■	■
LCD backlight intensity change	■	■
Pushbutton Functions		
Switching	■	■
Dimming	■	■
Shutter/blind	■	■
Value	■	■
2-Channel Value	■	■
Step Switching Value	■	■
Scene	■	■
Thermostat functions	■	■
RGB LED function illumination + status illumination	■	■
RGB LEDs intensity change	■	■
Pushbutton behind LCD	■	■
Thermostat Functions		
Thermostat functions	■	■
Thermostat functions illumination on LCD	■	■
Fan controller	■	■
Fan level illumination on LCD	■	■
Mounting and Connections		
KNX Bus	Bus Connection Terminal	Bus Connection Terminal
Dimensions (WxLxH)	90x90x11.80	90x90x11.80

■ = Function is supported

Iswitch one button

Description	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
Iswitch one button black plastic	ITR301-0001		1	
Iswitch one button glossy white plastic	ITR301-0002			
Iswitch one button matt white plastic	ITR301-0003			
Iswitch one button Anthracite Matt plastic	ITR301-0004			
Iswitch one button metalic gray plastic	ITR301-0005			
Iswitch one button natural aluminium eloxal mat unbrashed	ITR301-0100			
Iswitch one button black aluminium	ITR301-0101			
Iswitch one button champagne aluminium	ITR301-0106			
Iswitch one button natural stainless steel	ITR301-0200			
Iswitch one button black GlassEF	ITR301-0301			
Iswitch one button white GlassEF	ITR301-0302			
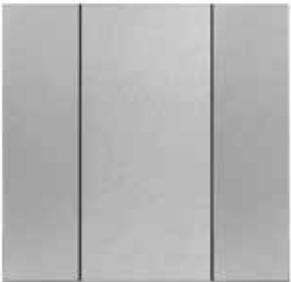
Iswitch 2 button

Description	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
Iswitch 2 button black plastic	ITR302-0001		1	
Iswitch 2 button glossy white plastic	ITR302-0002			
Iswitch 2 button matt white plastic	ITR302-0003			
Iswitch 2 button Anthracite Matt plastic	ITR302-0004			
Iswitch 2 button metalic gray plastic	ITR302-0005			
Iswitch 2 button natural aluminium eloxal mat unbrashed	ITR302-0100			
Iswitch 2 button black aluminium	ITR302-0101			
Iswitch 2 button champagne aluminium	ITR302-0106			
Iswitch 2 button natural stainless steel	ITR302-0200			
Iswitch 2 button black GlassEF	ITR302-0301			
Iswitch 2 button white GlassEF	ITR302-0302			

Iswitch 2 button with LCD

Description	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
Iswitch with LCD, 2 button black plastic	ITR302-1001		1	
Iswitch with LCD, 2 button glossy white plastic	ITR302-1002			
Iswitch with LCD, 2 button matt white plastic	ITR302-1003			
Iswitch with LCD, 2 button Anthracite Matt plastic	ITR302-1004			
Iswitch with LCD, 2 button metalic gray plastic	ITR302-1005			
Iswitch with LCD, 2 button natural aluminium eloxal mat unbrashed	ITR302-1100			
Iswitch with LCD, 2 button black aluminium	ITR302-1101			
Iswitch with LCD, 2 button champagne aluminium	ITR302-1106			
Iswitch with LCD, 2 button natural stainless steel	ITR302-1200			
Iswitch with LCD, 2 button black GlassEF	ITR302-1301			
Iswitch with LCD, 2 button white GlassEF	ITR302-1302			

Iswitch 4 button

Description	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
Iswitch 4 button black plastic	ITR304-0001		1	
Iswitch 4 button glossy white plastic	ITR304-0002			
Iswitch 4 button matt white plastic	ITR304-0003			
Iswitch 4 button Anthracite Matt plastic	ITR304-0004			
Iswitch 4 button metalic gray plastic	ITR304-0005			
Iswitch 4 button natural aluminium eloxal mat unbrashed	ITR304-0100			
Iswitch 4 button black aluminium	ITR304-0101			
Iswitch 4 button champagne aluminium	ITR304-0106			
Iswitch 4 button natural stainless steel	ITR304-0200			
Iswitch 4 button black GlassEF	ITR304-0301			
Iswitch 4 button white GlassEF	ITR304-0302			

Iswitch 4 button with LCD

Description	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
Iswitch with LCD, 4 button black plastic	ITR304-1001		1	
Iswitch with LCD, 4 button glossy white plastic	ITR304-1002			
Iswitch with LCD, 4 button matt white plastic	ITR304-1003			
Iswitch with LCD, 4 button Anthracite Matt plastic	ITR304-1004			
Iswitch with LCD, 4 button metalic gray plastic	ITR304-1005			
Iswitch with LCD, 4 button natural aluminium eloxal mat unbrashed	ITR304-1100			
Iswitch with LCD, 4 button black aluminium	ITR304-1101			
Iswitch with LCD, 4 button champagne aluminium	ITR304-1106			
Iswitch with LCD, 4 button natural stainless steel	ITR304-1200			
Iswitch with LCD, 4 button black GlassEF	ITR304-1301			
Iswitch with LCD, 4 button white GlassEF	ITR304-1302			

Iswitch 6 button

Description	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
Iswitch 6 button black plastic	ITR306-0001		1	
Iswitch 6 button glossy white plastic	ITR306-0002			
Iswitch 6 button matt white plastic	ITR306-0003			
Iswitch 6 button Anthracite Matt plastic	ITR306-0004			
Iswitch 6 button metalic gray plastic	ITR306-0005			
Iswitch 6 button natural aluminium eloxal mat unbrashed	ITR306-0100			
Iswitch 6 button black aluminium	ITR306-0101			
Iswitch 6 button champagne aluminium	ITR306-0106			
Iswitch 6 button natural stainless steel	ITR306-0200			
Iswitch 6 button black GlassEF	ITR306-0301			
Iswitch 6 button white GlassEF	ITR306-0302			

Iswitch 8 button

Description	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
Iswitch 8 button black plastic	ITR308-0001		1	
Iswitch 8 button glossy white plastic	ITR308-0002			
Iswitch 8 button matt white plastic	ITR308-0003			
Iswitch 8 button Anthracite Matt plastic	ITR308-0004			
Iswitch 8 button metalic gray plastic	ITR308-0005			
Iswitch 8 button natural aluminium eloxal mat unbrashed	ITR308-0100			
Iswitch 8 button black aluminium	ITR308-0101			
Iswitch 8 button champagne aluminium	ITR308-0106			
Iswitch 8 button natural stainless steel	ITR308-0200			
Iswitch 8 button black GlassEF	ITR308-0301			
Iswitch 8 button white GlassEF	ITR308-0302			

Iswitch 8 button with LCD

Description	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
Iswitch with LCD, 8 button black plastic	ITR308-1001		1	
Iswitch with LCD, 8 button glossy white plastic	ITR308-1002			
Iswitch with LCD, 8 button matt white plastic	ITR308-1003			
Iswitch with LCD, 8 button Anthracite Matt plastic	ITR308-1004			
Iswitch with LCD, 8 button metalic gray plastic	ITR308-1005			
Iswitch with LCD, 8 button natural aluminium eloxal mat unbrashed	ITR308-1100			
Iswitch with LCD, 8 button black aluminium	ITR308-1101			
Iswitch with LCD, 8 button champagne aluminium	ITR308-1106			
Iswitch with LCD, 8 button natural stainless steel	ITR308-1200			
Iswitch with LCD, 8 button black GlassEF	ITR308-1301			
Iswitch with LCD, 8 button white GlassEF	ITR308-1302			
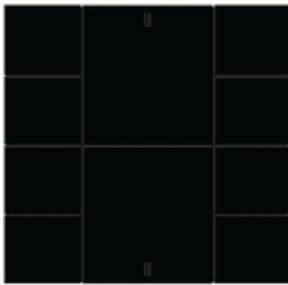
Iswitch 10 button

Description	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
Iswitch 10 button black plastic	ITR310-0001		1	
Iswitch 10 button glossy white plastic	ITR310-0002			
Iswitch 10 button matt white plastic	ITR310-0003			
Iswitch 10 button Anthracite Matt plastic	ITR310-0004			
Iswitch 10 button metalic gray plastic	ITR310-0005			
Iswitch 10 button natural aluminium eloxal mat unbrashed	ITR310-0100			
Iswitch 10 button black aluminium	ITR310-0101			
Iswitch 10 button champagne aluminium	ITR310-0106			
Iswitch 10 button natural stainless steel	ITR310-0200			
Iswitch 10 button black GlassEF	ITR310-0301			
Iswitch 10 button white GlassEF	ITR310-0302			

Iswitch body gateway

Description	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
Main unit with BCU Main unit with knx gateway (interface and communication part, BCU. This part has mounting holes for fixing in standart electrical box- 1 gang-. This part is designed to be used in all models.)	ITR300-0000		1	

Binary 2 Input Module

Its possible to create switching, toggle, dimming, shutter/blind control and value sending functions while its functions with dry contact inputs.

ITR102

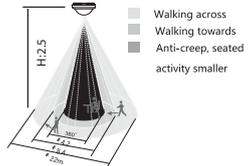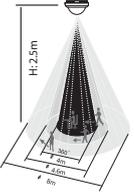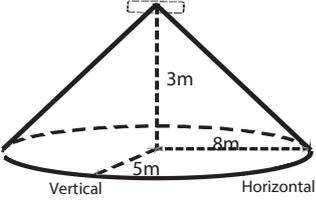| Description	MW	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
	4	ITR102		1	

Binary 4 Input Module

Its possible to create switching, toggle, dimming, shutter/blind control and value sending functions while its functions with dry contact inputs.

ITR104

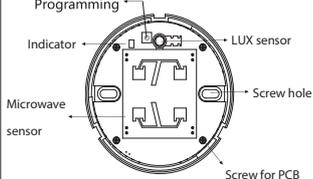| Description	MW	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
	4	ITR104		1	

Binary 6 Input Module

Its possible to create switching, toggle, dimming, shutter/blind control and value sending functions while its functions with dry contact inputs.

ITR106

Description	MW	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
	4	ITR106		1	

KNX system sensors

KNX sensors	Functionality		Motion detection area	Comments/ Constant light reception area
	Motion detector	Constant light		
Wall Mount Outdoor Microwave Sensor	Microwave	●		
Wide-range Ceiling Mount	PIR	●		see table below
Mid-range Ceiling Mount	PIR	●		see table below
Ceiling Mount Indoor	Microwave	●		
Water Flood Detector	-	-		

Wide-range Ceiling Mount detection area:

Mounting height	Seated activity	Walking towards	Walking across
2.5m	4.2m	8.4m	22m
3m	4.6m	9.6m	23.2m
4m	5.2m	10.6m	24.8m
5m	6.7m	11.5m	27.6m

Walking across / Walking towards / Anti-creep, seated activity smaller

Mid-range Ceiling Mount detection area:

Mounting height	Seated activity & walking towards	Walking across with small steps	Walking across
2.5m	4m	4.6m	8m
3m	4m	4.6m	8m
4m	4m	7m	10m
5m	4m	8m	10m

Water Flood Detector:

NO : Normally open
NC : Normally closed
COM : Common pin

1 : Buzzer
2 : Alarm LED
3 : Power LED

- : Immediately
1-2 : 3 sec
2-3 : 6 sec

ITR411-002

Wall Mount Outdoor Microwave Sensor

ITR411-002 KNX Outdoor Doppler Sensor includes 4 independent logic blocks and 1 combined logic block, the logic relation can be "AND" "OR" , logic input conditions can be the condition of LUX sensor, microwave sensor, humidity sensor, temperature sensor, dry contact, external telegram.

Description	MW	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
	4	ITR411-002		1	

ITR410-002

Wide-Range Ceiling Mount PIR Sensor

ITR410-002 Ceiling Mount PIR & Lux Sensor is able to sense motion, temperature, and lighting intensity. Designed to be ceiling mounted the PIR sensor is able to detect a presence at up to 24meters away, making it ideal for lighting and security applications. For a tailored detection solution the PIR detection area can be partitioned via ETS software, enabling custom detection zones to be created.

Description	MW	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
	4	ITR410-002		1	

ITR410-001

Mid-Range Ceiling Mount PIR Sensor

ITR410-001 a multi-functional movement sensor. It includes 4 independent logic blocks and 1 combined logic block. The logic relations "AND", "OR" can be set. The logic input conditions contain the conditions of movement sensor, LUX and external conditions. According to different application requirements, the sensor can be configured as the master-slave mode or single mode.

Description	MW	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
	4	ITR410-001		1	

ITR411-001

Ceiling Mount Indoor Microwave Sensor

ITR411-001, includes 4 independent logic blocks and 1 combined logic block, the logic relation can be "AND" "OR" , logic input conditions can be the condition of LUX sensor, microwave sensor, temperature sensor, dry contact, external telegram.

Description	MW	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
	4	ITR411-001		1	

TR400-0001

Water Flood Detector

The ITR400-0001 flood detector is used to detect water that accumulates in situations such as burst pipes, wet spots, or sewage leaks.

Description	MW	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
	4	TR400-0001		1	

Actuators
Lightning, Shutter/Blind, Heating, Fancoil, Dimmer and 0-10v Actuators

	Combo ITR504	Combo ITR508	Combo ITR512	Combo ITR516	Combo ITR520	Combo ITR524
General						
Channel Count	4CH	8CH	12CH	16CH	20CH	24CH
Lightning Control	■	■	■	■	■	■
Heating Control	■	■	■	■	■	■
Shutter and Blind Control / 24V	■	■	■	■	■	■
Fan Coil 2-Pipes and 4-Pipes	■	■	■	■	■	■
Output Current	16A@250VAC, 165A inrush	16A@250VAC, 165A inrush	16A@250VAC, 165A inrush	16A@250VAC, 165A inrush	16A@250VAC, 165A inrush	16A@250VAC, 165A inrush
Converter Functions	4	4	4	8	8	8
Logic Functions	4	4	4	4	4	4
Mounting and Connections						
KNX Bus	Bus Connection Terminal	Bus Connection Terminal	Bus Connection Terminal	Bus Connection Terminal	Bus Connection Terminal	Bus Connection Terminal
Dimension (WxHxD)	105x90x64mm	105x90x64mm	171x90x64mm	171x90x64mm	274x90x64mm	274x90x64mm

	ITR500-001
General	
Number of channel	6
Channel current	10A@220-250V AC
Dimming output	24mA@0-10V DC per channel
Functions	
Switching	■
Staircase	■
Scene control	■
Sequence	■
Heating (PWM)	■
Mounting and Connections	
KNX Bus	Bus Connection terminal
Consumption	10mA
Dimension (WxHxD)	90x144x66mml

	ITR500-002
General	
Number of channel	4
Dimming output	1.5A@120-240V AC
Functions	
Switching	■
Temperature read	■
Staircase	■
Scene control	■
Scene dimming	■
Sequence	■
Heating (PWM)	■
Threshold control	■
Protection	
Short circuit protection	■
Overload protection	■
Heat protection	■
Over temperature protection	■
Mounting and Connections	
KNX Bus	Bus Connection terminal
Consumption	10mA
Dimension (WxHxD)	90x216x66mm

■ = Function is supported

ITR50416A-01

Combo module 4CH

The combo actuator is a KNX certified device available with 4 channels.
Modules are supplied over KNX bus and do not need any other external power supply.
The communication of the devices via the KNX bus enables information exchanges with KNX sensors and the integration with a building management system.
Outputs of combo module can be configured to different functionalities depending on the project needs

Description	MW	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
	4	ITR50416A-01		1	

ITR50816A-02

Combo module 8CH

The combo actuator is a KNX certified device available with 8 channels.
Modules are supplied over KNX bus and do not need any other external power supply.
The communication of the devices via the KNX bus enables information exchanges with KNX sensors and the integration with a building management system.
Outputs of combo module can be configured to different functionalities depending on the project needs

Description	MW	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
	4	ITR50816A-02		1	

ITR51216A-02

Combo module 12CH

The combo actuator is a KNX certified device available with 12 channels.
Modules are supplied over KNX bus and do not need any other external power supply.
The communication of the devices via the KNX bus enables information exchanges with KNX sensors and the integration with a building management system.
Outputs of combo module can be configured to different functionalities depending on the project needs

Description	MW	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
	4	ITR51216A-02		1	

ITR51616A-01

Combo module 16CH

The combo actuator is a KNX certified device available with 16 channels.
Modules are supplied over KNX bus and do not need any other external power supply.
The communication of the devices via the KNX bus enables information exchanges with KNX sensors and the integration with a building management system.
Outputs of combo module can be configured to different functionalities depending on the project needs

Description	MW	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
	4	ITR51616A-01		1	

ITR52016A-01

Combo module 20CH

The combo actuator is a KNX certified device available with 20 channels.
Modules are supplied over KNX bus and do not need any other external power supply.
The communication of the devices via the KNX bus enables information exchanges with KNX sensors and the integration with a building management system.
Outputs of combo module can be configured to different functionalities depending on the project needs

Description	MW	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
	4	ITR52016A-01		1	

ITR52416A-01

Combo module 24CH

The combo actuator is a KNX certified device available with 24 channels.
Modules are supplied over KNX bus and do not need any other external power supply.
The communication of the devices via the KNX bus enables information exchanges with KNX sensors and the integration with a building management system.
Outputs of combo module can be configured to different functionalities depending on the project needs

Description	MW	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
	4	ITR52416A-01		1	

ITR500-001

6CH 10A Ballast Dimming Module 0-10V

ITR500-001 can dimming from 0V to 10V for per channel. The outputs for MAX 10A be switched ON or OFF on every output channel, also can manually switch. Control types include both input and output, so, Absorption and output type ballast can be connected to this module.

Description	MW	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
	4	ITR500-001		1	

ITR500-002

4CH 1.5A Universal Dimming Module

ITR500-002 has 4 channel 1.5A dimming capability. It has short circuit, over load and heat protection.

Description	MW	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
	4	ITR500-002		1	

Imini

The specially developed Imini helps to increase the comfort of living by providing effective use in smart building technologies. The products used in homes and hotels surprise their users with their superior features and effectively offer you the entire control area. It is easy to use thanks to its special software. With its elegant design, it adds elegance to your decoration and offers you the power to use every area in your home.

Your Living Areas More Colorful

Imini is specially developed for living areas and provides a wide range of applications from lighting to air conditioning. Features within the device are designed to make your area comfortable.

You can activate your air conditioner with the new generation touch screen; you can accomplish your transactions quickly and reliably by providing access to residence services. In addition, with the reliability of building communication, Imini is at the forefront and offers unique comfort with the latest technology.

Touch Panel

Touch panel is one of the most important parts of smart building systems. There are many options to improve your quality of life within the panel. You can add a new feature and remove it when you want. Use on any area or surface can be provided. Produced to increase your quality of life, this panel makes home life more colorful with the features it provides.

You can control the lighting through the touch panel. You can set the desired lighting level of the room you want, turn the lighting on and off. You can also control your curtains through the panel, whether you call a taxi or make your life easier with a feature you define. With the cameras feature, you can view and track the areas you add. In addition, information sent to the apartment by the management of the information falling into the screen is provided.

Mobile Ease of Use

The touch panel is a technological device and is made to be innovative. Therefore, the panel can also be used via smartphones. To do this, simply define the user. Once the connection is established, you can use the features you specify to be active.

Technological Control in Your Home

You can easily see the status of the markets and traffic flow through the panel, which allows you to reach your desired point from your home. Your invoices can also be controlled through the panel. You can also add the features you want on the panel, which allows the active use of smart home systems.

ITR165-0000

Interra lmini

lmini brings a new understanding of home and hotel systems with its capabilities. This long-needed approach offers solutions that are sought but not found in residential and hotel projects.
• 6.5" touchscreen
• Multitouch capacitive
• Temperature sensor
• Ambient light sensor
• Proximity sensor
• IR Transmitter
• Microphone
• Speaker

Description	MW	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
	4	ITR165-0000		1	

ITR110-0104

10.1" Touch Panel

Interra 4 Touch Panel, which is preferred by those who are looking for a modern design, hardware, software and a product with an appropriate interface that can meet all project requirements, is designed to be used on any area or surface.

Description	MW	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
	4	ITR110-0104		1	

ITR107-0104

7" Touch Panel

Interra 4 Touch Panel, which is preferred by those who are looking for a modern design, hardware, software and a product with an appropriate interface that can meet all project requirements, is designed to be used on any area or surface.

Description	MW	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
	4	ITR107-0104		1	

Other Parts/Accessories
Frame, Flushmount Case, Power Supplies

Stainless steel frame

Description	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
İnterra 10.1'' stainless steel frame	ITR110-0206		1	
Interra 7" stainless steel frame	ITR107-0203		1	
Imini stainless steel frame	ITR165-0206		1	

Black acrlic frame

Description	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
İnterra 10.1'' black acrylic frame	ITR110-0205		1	
Interra 7" black acrylic frame	ITR107-0202		1	
Imini acrlic black frame frame	ITR165-0204		1	

Black aluminium frame

Description	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
İnterra 10.1'' black aluminum frame	ITR110-0204		1	
Interra 7" black aluminum Frame	ITR107-0201		1	

Gold plated frame

Description	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
Interra 10.1" gold plated frame	ITR110-0208		1	
Interra 7" gold plated frame	ITR107-0208		1	

Champagne plastic frame

Description	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
İnterra 10.1'' champagne plastic frame	ITR110-0207		1	

Interra 7" flush mouting box

Description	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
Interra 10,1'' Screen flush mouting box İ4	ITR110-9004		1	
Interra 7"flush mouting box	ITR107-9004		1	
flush mount box for Imini (Standart 2 gang electric box)	ITR165-9004		1	

## Power supply for Touch panel and DND

Description	Order Code	Price 1 Pc. €	Price Unit Pc.	Weight 1 Pc. Kg
Meanwell 12V 1,67A Power Supply	MDR20-12		1	
Meanwell 12V 4,5A Power Supply	HDR60-12		1	

KNX CERTIFICATE

(Certificate Registration Number. 2/0285/0468/0001)

Issued to:
Yönnet Bilisim Yazilim Egt.ve Dan.Hiz.Tic.A.S.
Cumhuriyet Mahallesi Kartal Caddesi Simkan Plaza
Kartal 95/1
34876 Istanbul
Turkey

KNX Association herewith confirms,
that the above mentioned training centre has for

the required technical competence and equipment
according to the KNX document "KNX Training:
Requirements for Training Centres".

The continuous compliance to the above document is
checked by means of an online surveillance. The rights and
obligations of this Training Centre are listed in the
requirements for Training Centres.

Joost Demarest, CTO   Brussels, date
KNX Association   28/09/2018

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www.knx.org

interraturkiye interrasocial interrasocial

www.interra.com.tr

Interra contributes to the growth of the sector with its products developed in smart home systems. By using the latest technology, it also helps to increase the quality of life and allows for a single center control system. Interra products, which are preferred both at domestic and abroad, allow you to experience a unique experience. Interra, with the success of the KNX training center, also works for the growth and development of the sector. This trainings will allow for the rapid expansion of smart building automation systems.

Starting with the training as a KNX training center, rma is a training process with its team of experts and it creates a training process by sharing how to work on the latest technology, production phase and software points. In this way, the sector will be informed and acquainted with the products. Interra, in smart home systems, is a first in Turkey as domestic capital and infrastructure.

You can develop yourself in this area and gain expertise by training in rma which serves as a KNX training center.
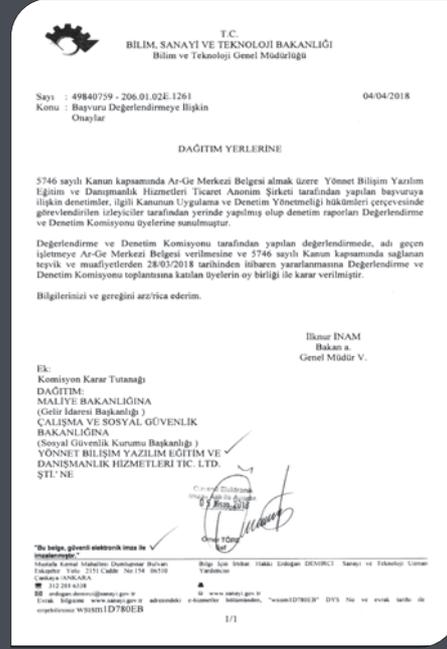
Since the day it was founded, Interra has become a leader in the building automation sector with the products it has developed and has met the needs of the sector in a professional way. By giving importance to R & D activities, an institutional infrastructure is being developed and developed products help to increase the level of living comfort.

The products developed with R & D center have succeeded in taking place in both domestic and foreign markets.

Our R & D Policies
• All studies are in line with the legal process and we prepare all our strategies in accordance with our vision and mission.
• We follow the latest technologies and ensure that it is in our rma structure and we design using the latest technological equipment for product production.
• We care about the environment and provide environmentally friendly production, and we support it.
• We also provide support to the development of the sector by realizing the dirt and projects that are revealed as a result of R & D work.
• We also support the implementation of new projects through university cooperation.

Interra advances by using the latest technology in smart home systems and enables people to get closer to the future with smart automations that they develop.

Interra, which has the latest hardware and technology, is a first in Turkey by taking the internationally KNX Training Center authorization.

Interra with the KNX Training Center authorization helps the sector to win and the emergence of young minds. Interra, which serves as a leader in domestic and international points in the field of smart home systems, also provides support to people in the country to improve themselves.

With trainings, sectoral developments will gain speed, and it will give very positive contribution to Turkey's growth.

Thanks to the regular trainings which will be provided by Interra, people will be able to develop themselves in this field and also they will be able to help to the development of new projects.

As the world standard is getting global every single year, the leading companies are designing the KNX standard in the buildings throughout the world.
Today, KNX protochol is accepted as main standard in the building technologies, as well as well known infrastructure as part of the European installation regulation.
Interra, is taking a strong role to develop uniqueness innovations as member of KNX.
Interra's innovations and design solutions are accepted in highly developed countries in the world including Europe continental. Since 10 years there has been thousands of projects installed by Interra solutions.

We are proud to increase our success every single year, and being one of the strongly growing KNX member player.

References

TÜRKIYE 3. HAVAALANI

SHERATON

SINPAŞ ALTINORAN

VADI İSTANBUL

EPIQUE

ARPAŞ AVRUPA KONUTLARI

YALI ATAKÖY

TORUN CENTER

NEXT LEVEL

YEDI MAVI

KUZU

CONRAD

VARYANT

42 MASLAK

EMAAR

YDA SÖĞÜTÖZÜ

SURYAPI EXEN

RAMADA

More Than 5000 Smart Solutions With Interra Comfort