Infinitedome®

HOME AUTOMATION

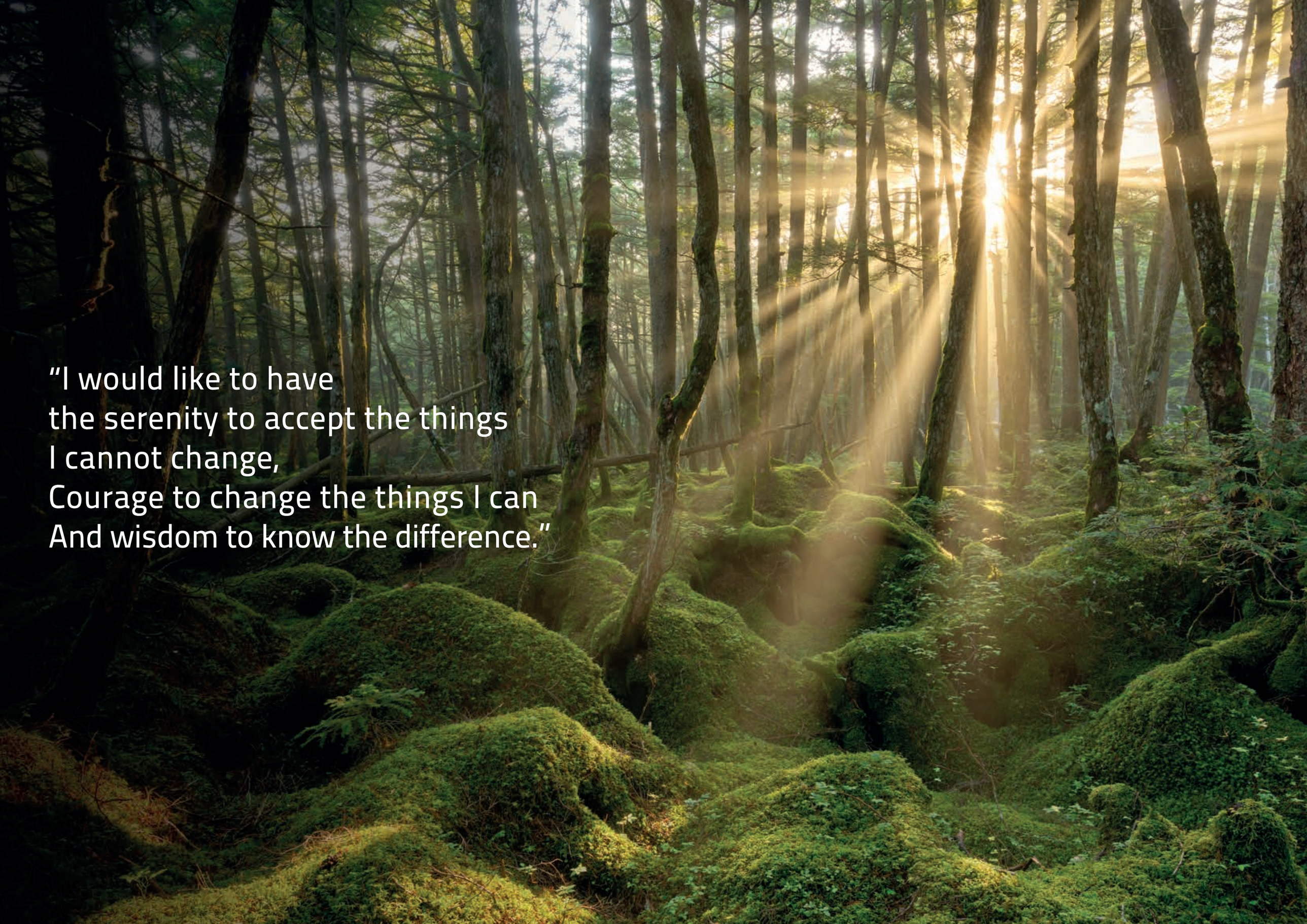
INFINITEPLAY & DUEMMEGI

Present

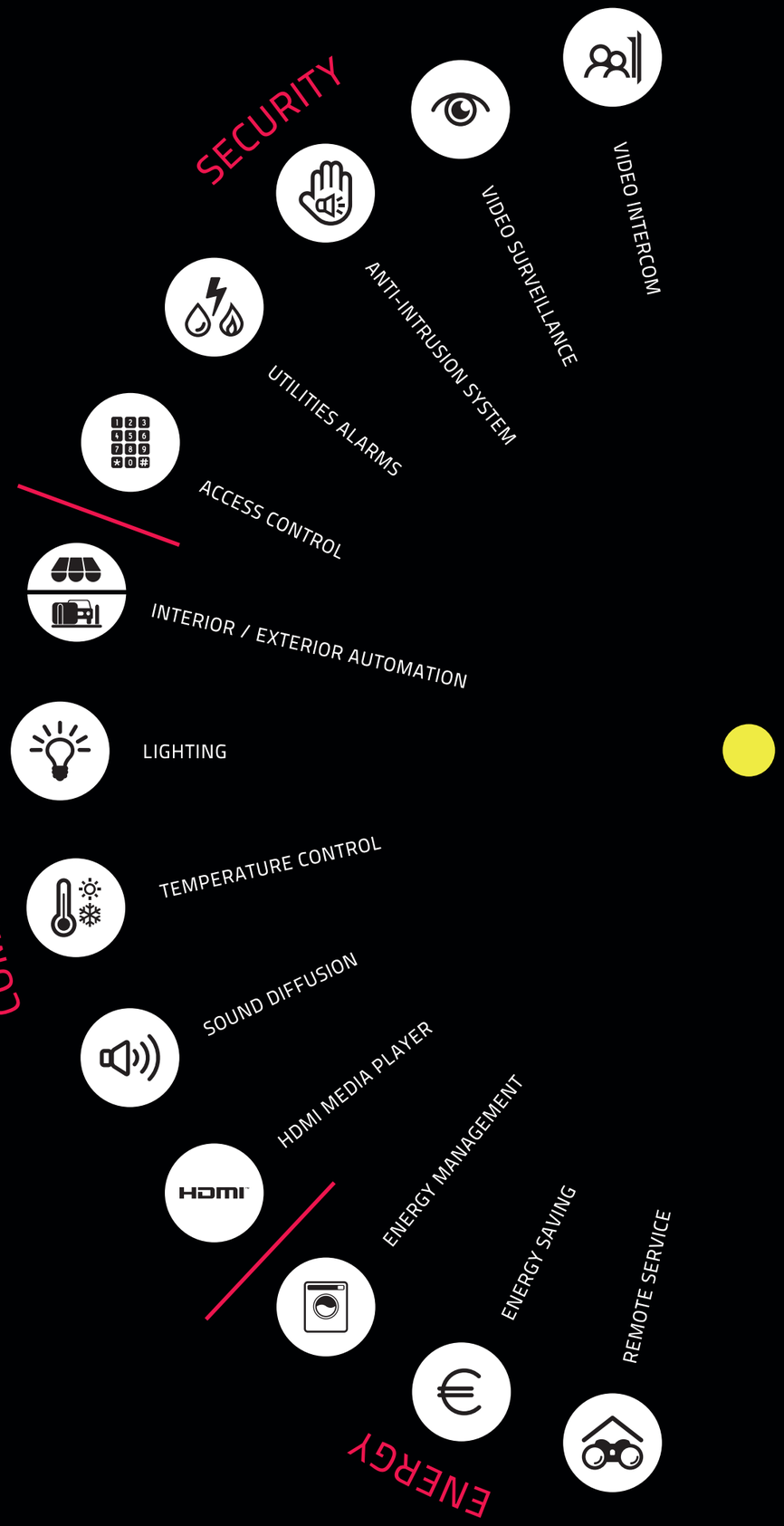
a Sensitive Project:

Infinitedome®

A **sensitive** project that makes a house safe and comfortable through home automation.
A **smart** project that protects your house even when you are far away from it.
An **attentive** project, focusing on energy saving for a kinder future.



“I would like to have
the serenity to accept the things
I cannot change,
Courage to change the things I can
And wisdom to know the difference.”



Infinitedome®

InfiniteDome is our home automation project that represents the highest evolution in the field of home control safety systems.
There is only one terminal, just one graphic interface able to command comfort systems, safety and energy saving.
The system becomes operative only when a signal is sent, excluding in this way any sort of emission during stand-by. It offers the possibility to connect an unlimited number of terminals from which it is possible to access all the functions of the areas.

All home automation devices connected to the house can be managed remotely through mobile devices (by using iOS and Android Apps) and PC, both via internet. You will be allowed to check your domestic environment, set up scenarios and manage utilities.

Infinitesecurity

It is the segment of Infinitedome designed for video intercom, video surveillance and anti-intrusion systems.

VIDEO INTERCOM

With Infinitesecurity you are able to protect and control privacy.
The external touch - screen video intercom system connects & interacts with the home automation system & can function remotely through smart devices.

VIDEO SURVEILLANCE

Through a security camera system connected to Infinitesecurity you can check and modify the NVR (digital) and DVR (analog) settings and easily watch the recordings on Wi-Fi screens or TV HDMI Media Player.

ANTI-INTRUSION SYSTEM

With advanced and cutting edge technology, Infinitesecuirty protects homes and family residing from burglaries & intrusions anytime, no matter where you are.

HOME CONTROL

A SMART PROJECT
THAT PROTECTS YOUR HOUSE
EVEN WHEN YOU ARE
FAR AWAY FROM IT.

INTERIOR AUTOMATION

Infinitedome®

From anywhere in your home, a single command, through a single action, manages the system that protects your house (lights, shutters, burglar alarm, etc...).

EXTERIOR AUTOMATION

Infinitegate

Swing gates, slide gates, garage doors, curtains and shutters can be connected and controlled by the system in an organized and dynamic way.

INFINITEPLAY

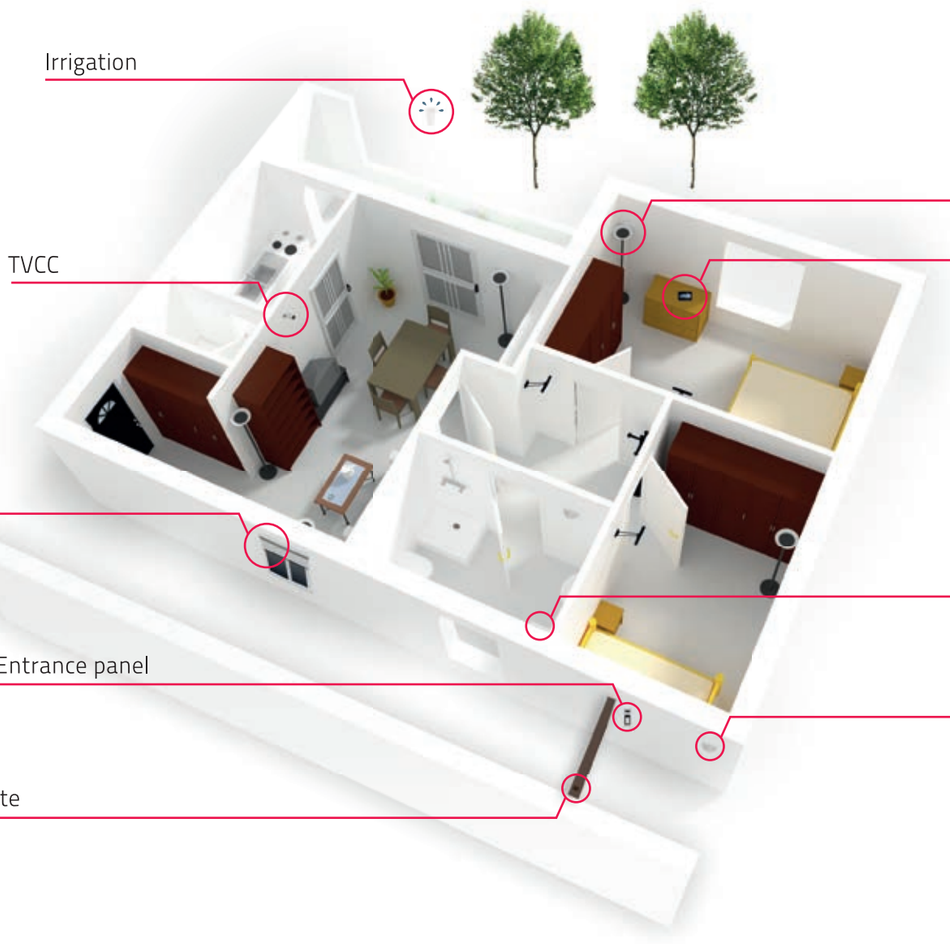
HOME AUTOMATION

THE BEST
PLUG & PLAY
SOLUTION
AVAILABLE

Internet

Noise cancelling microphone

5 Megapixel Video camera



100%
FULL IP

Android™

Touch Screen 4,3"
Sun-readable

Flat

PLUG
AND
PLAY

Next

Infinitedome®

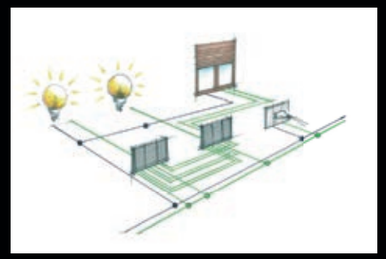
Designed &
Made in italy

THE **Domino** SYSTEM

THE DOMINO BUS SYSTEM IS ABLE TO MANAGE A WIDE RANGE OF FUNCTIONS THROUGH ALL ITS DEVICES.

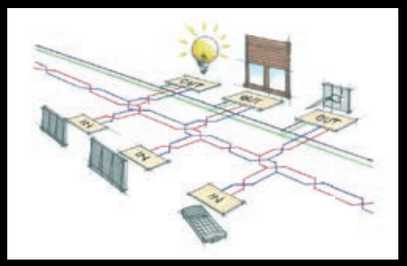
TRADITIONAL SYSTEM

Whith a traditional system the power wiring distributes electricity take out but and replace with however it also determines the link between the command and the load. In this manner any change to the system operation results in a modification of the connection and sometimes of the masonry with a significant investment of time and money.
The implementation of functions, even simple ones (for example turning on a light from two or more command points) entails a significant complication with the wiring and longer installation times. In addition, equipping the system with a supervision or remote management system is impossible. Automatic sequences cannot be implemented in a traditional system (for example simultaneous closing of all motor operated doors and windows and turning off of all lights when the anti-intrusion system goes on) and results in an additional wiring complication because each load needs its own dedicated command.
Other points to consider:
- Command points permanently powered up (230V AC)
- Power circuits continually on
- Electromagnetic fields



BUS SYSTEMS

In a system created with BUS technology, the command points represent the system inputs while the load represent the outputs.
For example, when a button is pressed, the system processes the information which travels on the bus cable and, according to the programming, commands the actuator modules (output) distributed in the field. In this manner the assignment of the command to one or more utilities is completely arbitrary. The “connection” only exists at programming level, therefore it is possible to implement a potentially unlimited number of functions without any physical intervention on the circuits. Wiring of this type of system is extremely simplified and even the installation time and costs are significantly reduced compared to a traditional system. All of the modules are connected in parallel by a single bus cable (unshielded two wire cable) while the 230V mains power is applied only to the output modules.
In addition:
• Command points in low voltage
• Disconnectable power circuits
• Reduction of electromagnetic fields



The Domino bus system is able to manage a wide range of functions through all its devices.
The main system components are inserted in the electric panel of the home/store/office (DFPW2 power supply, DFCKIII clock, DFUSB interface, DF4RI module, etc.) while the components for the commands are normally located in a wall-mounted switch box (4 digital DF4I inputs) allowing the use of the preferred civil series.

The actuators (which perform commands) will be positioned, based on needs and the type of implementation, in the electricity distribution panels, in shunt boxes (e.g. PT5), in 503 blind built in boxes, in false ceilings, in roller shutter boxes or in general in available places near the command to perform (e.g. roller shutter module, 4 power relay module, dimmer module, etc.).

It is possible to connect more than 2000 points to each other (based on the chosen configuration) with a double insulation cable with cross section between 0.35 sq.mm and a maximum of 1 sq.mm. Thus up to 255 input modules and 255 output modules can be connected plus all the modules which do not occupy any address (DFCKII, DFCC, DFTouch, etc.).

Based on the number of installed modules and power supplies, system topology and cable cross section, the systemcan have an extension greater than 1 km.

CHARACTERISTICS OF THE DOMINO SYSTEM

• It has a distributed logic, therefore failure of a module does not affect operation of the system.
• The onboard relays are all bistable type (consumption is reduced and if the bus is missing the state remains unchanged).
• It makes it possible to use just 2 components to create the systems (buttons and sockets) of any civil series.
• It requires the use of a normal type of cable for the connection (2 unshielded wires, with maximum cross section of 1 sq.mm).

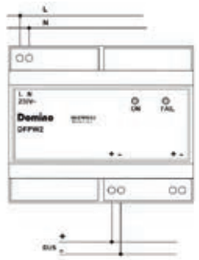
• System programming is done after having addressed and installed the modules. Once programmed, both the user and the installer have the description of the inserted program at their disposal for any future additions or modifications.
• It is possible to modify the functions or logic, including remotely, without have to physically intervene on the system.
• Accurate autodiagnosis of the system is possible.
• It is possible to include an “unlimited” number of scenographies integrated with other systems present in the house.
• It is open, i.e. can be integrated with other systems.
• Software programming is simplified and something anyone can do.

DFPW2

DFPW2 module generates the proper power supply required by the modules connected to Domino bus. To ensure proper operation, the input voltage of DFPW2 module must be 230Vac 50Hz.

DFPW2 performs an electronic protection with self-restoring function; the protection breaks off the current at the output terminals when an overload or a short circuit occurs on the bus. DFPW2 can supply up to 50 modules of Domino family (see table for exceptions). Depending on the installed modules, on the topology of the system and on the bus wires size, more DFPW2 modules may be installed in different locations, in order to distribute them along the bus and minimize the voltage drop.

When connecting more DFPW2 modules on the same bus, it is important to take care of the polarity (both L/N and +/-); in addition, a unique breaking switch for all DFPW2 has to be installed. For 3-phase networks, all installed DFPW2 related to the same bus must be connected to the same phase.



Technical Data

Input power supply	230Vca ±10% 50Hz, 20VA
Nominal output voltage (bus)	25V peak, pulsed waveform, SELV
Overload and short circuit protection	Electronic
Allowable number of Domino modules for each DFPW2	50 - (weight 1)
Number of bus addresses	-
Housing	standard 6M for DIN rail

Table 1

Module	Consumption weight
DF4DV	2+10
DF8IL	3
DFANA	2
DFCC	3
DFCC2	5
DFDALI	2
DFDMX	4
DFDV	2
DFIGLASS	3
DFMETEO	4
DFRHT	2
DFTOUCH	8
DFTOUCH2	18
DFTP/I	2
DFTZ	2
DFWEB	15
DFWRX	2

DFPRO

DFPRO hand held tester/programmer is a precious and useful device for the setting up, check and diagnostic of the Domino plant; it avoid the use of a PC for some operations.

The functions that can be performed by DFPRO are the following:
Assigning and changing the address of modules
Verifying the address assigned to modules
Configuration of the parameters of special modules (e.g. DFIR, DFDM, etc.)
Display the status or the value of input modules
Display the status or the value of output modules
Changing the outputs, both digital and dimmer types
Getting the list of the modules installed in the plant
Measuring the voltage level on the bus
Checking of firmware version loaded into the modules

DFPRO can be directly connected to PRG connector (if available) of a single Domino module not supplied by the bus. This kind of connection is typically useful for assigning and checking the module address before its installation in the plant. (fig.1)

DFPRO can be also directly connected to the PRG connector of a module inside a Domino bus system, supplied by one or more DFPW2; in this case, many diagnostic and configuration functions can be performed. (fig.2)

DFPRO can be finally used as interface between a PC and the Domino bus (regardless of the activated menu). In this case DFPRO works in a way absolutely identical to the Domino DFRS interface. (fig.3)

Together to DFPRO, it is provided the cable for the fast and easy link to 3-way connector available on the Domino modules and identified as PRG connector. The cable for the connection between DFPRO and the RS232 port of the PC is also provided.

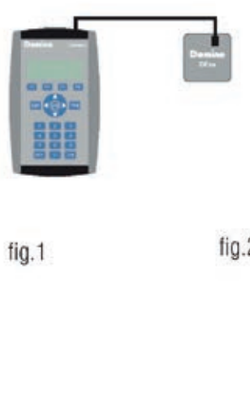


fig.1

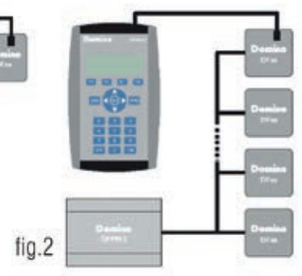


fig.2


fig.3

Technical Data

Power supply	By 9V alkaline battery, shape 6LR61 or by bus
Display	LCD, alphanumeric, 20 characters x 4 lines, automatic back lighting with programmable timeout, adjustable contrast
Keyboard	23 keys
Protections	Over-current on the bus output
Serial interface	RS232, cable/adapter provided

DFCP4 STD

DFCP4 ETH

The DFCP 4 controller is the heart of an entire Domino system. The system management is facilitated using equations that bind inputs and outputs together. The DFCP 4 provides powerful programming features that can satisfy almost any request.

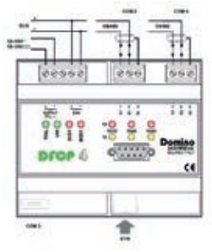
DFCP 4 provides full control of the internal RAM (buffered by a battery), granting control of the state to which each memory cell, and therefore the physical outputs of the system, must switch after a system power failure.

In addition to the event triggered equations, the DFCP 4 also provides algebraic equation functions, and time equations with a daily, weekly and yearly scheduler. Thanks to the script function, which consists of program macroblocks written in a very simple language similar to Basic, the DFCP 4 can perform very complicated functions.
The DFCP 4 is also able to calculate sunrise and sunset times and the position of the sun (azimuth and elevation); the values calculated are placed in 4 registers that must be defined using the LOCALIZE configuration directive.
If several controllers are installed, it is possible to exchange information between them. It is also possible to interface two different systems like Contatto and Domino buses. When compared to the previous DFCP version, the following characteristics stand out:

- Integrated weekly Scheduler for management of 16 points ("zones") with 8 time slots each one; each time slot can be individually enabled or disabled
- A new program transferred to DFCP 4 is stored in a different memory location and therefore, during the download, the program previously loaded continues to operate without interruption; only when downloading of the new program is completed, and if everything goes well, the automatic switch from the old program to the new one will be performed.
- MODBUS TCP/IP Slave on ETH port (ETH version)
- Integrated Ethernet Bridge, multi-user up to 8 simultaneous connections (ETH version)
- Integrated WEB Server, multi-user up to 8 simultaneous connections, including sceneries management (ETH version)
- Simple Diagnostic through a WEB browser, therefore without need to install DCP IDE program (ETH version)

The available versions are the following:
DFCP 4 STD : 1 RS232 + 2 RS485
DFCP 4 ETH : 1 RS232 + 2 RS485 + ETH

In order to program the DFCP 4 Control Unit, it is necessary to have the DCP IDE software tools installed on a PC. The DCP IDE package also includes the DCPVISIO program, which allows graphical display of field status and all DFCP 4 parameters, as well as other programs with specific functions.
The DFCP 4 controller is available in DIN modular housing (6 modules size).



Technical Data

Power supply	15Vac (± 20%) oppure 24Vdc (± 25%)
Max current consumption	160mA @ 12Vac / 110mA @ 24Vdc
Number of internal processors	2
Summer/Winter time automatic switch	Yes
Average reaction time input → outpu	40msec
User memory	FLASH type 16 Mbytes
RAM memory	256 KWords
Number of virtual points	2032
Number of registers	1024, 16 bit each one
Number of timers	512 with times 0 to 6553 seconds, resolution 0.1 sec
Number of counters	1024, 16-bit each one
Clock scheduler	Daily, Weekly, Yearly
Integrated advanced scheduler	Weekly
Number of input addresses	255 adresses, 16 bit each one
Number of output addresses	255 adresses, 16 bit each one
Available communiucation ports	1 x RS232 opto-coupled 2 x RS485 opto-coupled 1 x dedicated port 1 x Ethernet port (optional)
Peripheral devices handling	- Touch screen video terminals - SCADA Supervision systems on PC
Interfacing to other systems	Through MODBUS RTU and MODBUS TCP/IP protocols
Dimensions	6 modules for DIN rail

DFWEB

DFWEB module has been developed to be used in all applications of Domino system where it is required to control the domotic system through a LAN or Internet connection, avoiding hard configuration procedures; for this kind of applications, in association with the specific program for the development of graphical maps, DFWEB module is very user-friendly.
DFWEB interfaces directly to the Domino bus, therefore it is not required any additional controller; this allows to realize a very inexpensive domotic system at the state of the art.
DFWEB module can operate in two different modes: in the first one it acts as a "bridge" between a local Ethernet network and Domino system, while in the second operating mode it can be used as complete WEB-Server, with web pages that can be created by the user.
Web-Server modality is MULTI-CLIENT; it is possible the simultaneous access to a maximum of 4 users (plus one user in bridge mode).

DFWEB module allows to manage the majority of the Domino bus variables, like:
- status of the digital inputs
- status and command of real outputs
- value of the analog inputs (e.g. temperature)
- setting of analog outputs (e.g. dimmer)
- status and command of virtual points
- system clock

Technical Data

Power Supply	9 ÷ 24Vcc SELV oppure da bus
MAX current consumption	175mA @ 9V 75mA @ 24V
Ethernet interface	10/100BaseT Ethernet
Leds communication and diagnostic	
Number of bus addresses	-
Housing	standard 4M for DIN rail

iCasaMia

The official application for Duemmegi Domino bus system.
iCasaMia turns your iOS or Android device into a remote control for:

- Lighting control (on / off, dimmer)
- Curtains, blinds, etc.. control
- Create custom scenarios which can be accessed with a simple action
- Checking the temperature of the rooms
- Set and execute scheduled actions (irrigation, automatic ignition, etc.).
- Monitoring the energy consumption and loads management
- Display images from cameras

iCasaMia requires a WiFi connection and a suitable network interface connected to the Domino System (DFWEB, WEBS, DFAPP)
iCasaMia is simple to be set up. It automatically searches for the installed Domino modules and it allows customization of the menus: rooms, scenarios, clima zones, etc..

DFH

The DFH module was developed for all the Domino system based installations, where control of the automation system via LAN or Internet connection is required.
DFH integrates a standard WEBCON multi-protocol supervision server with a licence for Domino bus. It is therefore a powerful Web-based system that does not require the installation of any special software on your PC, except for a Web browser.
The DFH module for Domino bus therefore represents an integrated solution for the control and management, both local and remote, of lighting, temperature, hourly programming, load control, energy monitoring, anti-intrusion, safety and fire alarm, access control, irrigation, VoIP telephones, audio / video multi-room systems, scenic systems, speech synthesis and much more.

Technical Data

Power supply	12 ÷ 24V SELV or by Domino bus
MAX currwnt consumption	MAX 160mA @ 12V 90mA @ 24V
CPU	Raspberry Pi 2 Model B con CPU quad-core Cortex-A7 Broadcom BCM2836 900MHz ARM
RAM	1GB
SSD	Micro SD industrial-grade SLC 4GB
Available interfaces	4 USB + 1 Ethernet 10/100Mbps
Dimensions	4 modules for DIN rail

DFAPP

The DFAPP module is an interface (gateway) between the Ethernet network and the Domino bus; through BDTools and BDWizard support software it is possible to perform the following tasks: addressing modules, programming system functions, reading and editing operating programs, updating modules firmware and more. This is done either locally or remotely, via Ethernet network. When access points are properly configured, it is also possible to perform the same tasks via wireless.
The DFAPP module also allows control of the home automation system through iCasaMia and ACASAMIA applications available for free online; thanks to the afore mentioned possibility, the DFAPP module is a user-friendly solution to control and manage, both locally and remotely, lighting, automation, climate technologies, pre-set lighting, load control, energy consumption, and more.

Technical Data

Power supply	12 ÷ 24V SELV or by Domino bus
MAX currwnt consumption	MAX 160mA @ 12V 90mA @ 24V
CPU	Raspberry Pi 2 Model B con CPU quad-core Cortex-A7 Broadcom BCM2836 900MHz ARM
RAM	1GB
SSD	Micro SD industrial-grade SLC 4GB
Available interfaces	4 USB + 1 Ethernet 10/100Mbps
Dimensions	4 modules for DIN rail

DFUSB

This module allows to connect the Domini bus to a Personal Computer through the USB serial port. By using the specific program BDTools, an easy and quick setting up of the plant can be performed. The housing is suitable for DIN rail mounting (2M).

Technical Data

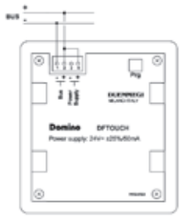
Power Supply	by bus
Interface	USB (no opto-coupled)
Leds	communication and diagnostic
Number of bus addresses	-
Housing	standard 2M for DIN rail

DFTOUCH

DFTouch video terminal is a simple customizable graphical interface allowing an easy management of the domotic plant realized with Domino DFTOUCH bus.

The main characteristics of DFTouch video terminal are the following:
- Direct connection to bus Domino bus
- Monochromatic display 240x320
- Time controlled back lighting and adjustable contrast
- Up to 50 user's pages
- Customization of any page with a background image and icons (animations) for the displaying of the status of bus points and to send commands to the outputs
- Page switching through buttons on the display which can be freely customized
- Page recall at the occurrence of a status change on one or more bus points; this function is useful for alarm management
- Acoustic beeper (buzzer) inside the device whose operation can be programmed as required
- Displaying of temperatures measured by bus modules (e.g. DFTA and DFTE), both in numerical and graphical format (BDGraph)
- Management of temperature regulation modules (e.g. DFCT)
- Management of scheduler/clock module (DFCK3)
- Displaying and editing of date and time (by DFCK3 or DFCP modules)
- Displaying of electrical parameters of the plant, measured by DFCC or DFANA modules
- Management of sceneries: DFTouch allows to create, edit and save many sceneries, therefore this operation can be done by the final user without the intervention of a qualified installer. The sceneries can be recalled by buttons on DFTouch or by physical pushbuttons connected on the bus. Each scenery can control lights, shutters, blinds, brightness level of dimmer modules, the temperature setpoint of the clima system and many more
- Screen saver function with customizable image and time out
- BDGraph or DFTouchTools programs, free of charge and user friendly for the development of the pages to be displayed on DFTouch
- RS232 serial port for the uploading of the application
- Each page can have a background image in bitmap format, thus easily customizable; in addition, the development software is provided together to a wide library of symbols
- More DFTouch terminals can be installed in the same plant

DFTouch housing allows the mounting in a standard wall box model 506E.
DFTouch does not require any bus address.

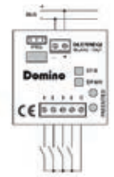


Technical Data

Power supply	By Domino bus or 12÷24Vdc SELV ±20% or 12Vac ±10%
Display	monochrome 4" LCD 240x320
Back lighting	LED
Contrast regulation	via touch panel
PC interface	RS232 by provided cable
Acoustic beeper	Internal buzzer with programmable operation
Number of bus addresses	-
Housing	For standard wall box model 506E

DF4I

Module for the acquisition of 4 ON-OFF signals, suitable for the connection to auxiliary contacts, pushbuttons, limit switches, light switches, etc. DF4I/V version features, in addition to the 4 inputs, up to 12 virtual points useful for the combination of programming functions. It can be provided with fixed or removable bus terminal. The housing is sutable for mounting inside standard wall box mod. 503 or similar ones.



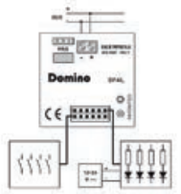
Technical Data

Power supply	by bus
Current for each input contact	1mA (closed contact) 0mA (open contact)
MAX allowed length for input wires	10m
Number of bus addresses DF4I	1 IN
Number of bus addresses DF4I/V	4 IN and 4 OUT
Dimensions	39 x 39 x 13 mm

DF4I/V

DF4IL

Module for the acquisition of 4 digital inputs and for the driving of 4 leds or small lamps. Suitable f DF4IL or standard wall box mod. 503.

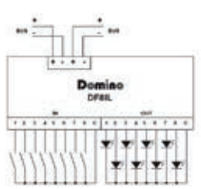


Technical Data

Power supply	by bus
Current for each input contact	1mA (closed contact), 0mA (open contact)
Number of outputs	4, NPN voltage type
Available current for each output	200mA on resistive load
Voltage of external power supply	12 to 24Vdc
Number of bus addresses	1 IN and 1 OUT
Dimensions	39 x 39 x 13 mm

DF8IL

Module for 8 digital inputs and 8 leds. Suitable for standard wall box mod. 503.



Technical Data

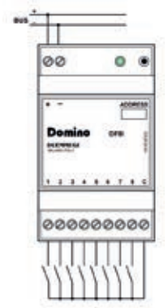
Power supply	by bus
Current for each input contact	1mA (closed contact), 0mA (open contact)
Input voltage	5Vcc
MAX allowed lenght for input wires	10 meters
Number of bus addresses	4 IN and 4 OUT
Dimensions	74,5 x 43 x 16 mm

KEYBOARD/T

A polycarbonate panel with 8 membrane pushbuttons and 8 integrated LED is available for the main brands of wall boxes; this panel allows an easier customizing by inserting a paper label with the desired texts or symbols.

DF8I

Module for 8 ON-OFF normally open contacts (3M).
It is suitable for the connection to auxiliary contacts, pushbuttons, limit switches, light switches, etc



Technical Data

Power supply	by bus
Current for each input contact	1mA (closed contact) 0mA (open contact)
Input voltage	5Vdc
MAX allowed lenght for input wires	10 m
Number of bus addresses	2 IN
Dimensions	3 modules for DIN rail

DFWRX

DFWRX module allows to manage up to 4 wireless transmitters using ENOCEAN technology. The advantage of this technology is the availability of transmitters that, in addition to be wireless, are also battery-less, thus they do not need to be supplied by a battery. The power supply is in facts provided by the conversion of the mechanical energy, due to the pushing or to releasing of the pushbutton, in electrical energy enough for the transmission of data. Since each transmitter features, normally, 4 inputs, then each ModWRX module can manage up to 16 points.
The transmitters normally have the shape of a pushbutton assembly with 2 rockers, thus featuring 4 commands. These pushbutton assemblies can be found on the market from several manufacturers, and then a large choice of styles and colors is available. The pushbutton assemblies have small thickness and they can be also glued to the wall without any type of mural work; this system is thus particularly suitable when there is not the possibility to place the bus cable, or when the keypads must be applied to very thin walls or to special materials (e.g. glass walls).

Technical Data

Power supply	by bus
Number of handled transmitters	4, for a total of 16 input points
Number of bus addresses	1 to 4 consecutive IN
Dimensions	3 modules for DIN rail

DFIGLASS/N 6T

DFiGLASS-6 is a glass keyboard with capacitive technology available in black or white color and is suitable to be housed in a 503 wall box. It integrates a 6 digital inputs module to normally open, 6 feedback LEDs and anacoustic buzzer, all fully programmable.
It is also possible to activate a diffuse backlighting of all the buttons, either continuous or temporary, which also generates a light halo on the wall.

DFIGLASS/B 6T

Technical Data

Power supply	by bus
Number of bus addresses	1 IN and 1 OUT
Dimensions	for standard wall box mod. 503E

DFIGLASS/N 4T

DFiGLASS-4 is a glass keyboard with capacitive technology available in black or white color and is suitable to be housed in a 503 wall box. It integrates a 4 digital inputs module to normally open, 4 feedback LEDs and anacoustic buzzer, all fully programmable.
It is also possible to activate a diffuse backlighting of all the buttons, either continuous or temporary, which also generates a light halo on the wall.

DFIGLASS/B 4T

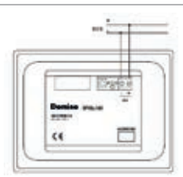
Technical Data

Power supply	by bus
Number of bus addresses	1 IN and 1 OUT
Dimensions	for standard wall box mod. 503E

DFIGLASS/N 2T

DFiGLASS-2 is a glass keyboard with capacitive technology available in black or white color and is suitable to be housed in a 503 wall box. It integrates a 2 digital inputs module to normally open, 2 feedback LEDs and anacoustic buzzer, all fully programmable.
It is also possible to activate a diffuse backlighting of all the buttons, either continuous or temporary, which also generates a light halo on the wall.

DFIGLASS/B 2T



Technical Data

Power supply	by bus
Number of bus addresses	1 IN and 1 OUT
Dimensions	for standard wall box mod. 503E

DF4RI

The multifunction modules DF4RI and DF4RI/R allow the management of blinds, shutters and similar (only for AC motors with double winding) and the transmission settings of 4 generic ON-OFF type inputs (linked, for example to buttons, switches, limit switches, etc.). This is facilitated through the Domino bus control of 4 loads (eg. Bulbs) or in pairs.
The only difference between the DF4RI and the DF4RI / R version is the type of container that, in the latter version, has a lower height.

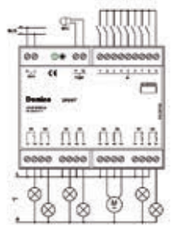
Technical Data

Power supply	by bus
Current for each input contact	1mA (closed contact) - 0mA (open contact)
MAX allowed lenght for input wires	10m
MAX contact rating	Resistive load (cosφ=1): 12A 250Vca (3000VA) Inductive load (cosφ =0.85): 3.6A 250Vca (900VA) Incandescent lamps: 8A 250Vca (2000VA) Fluorescent lamps: 350W with 42μF MAX PF correction capacitor
Rating on single phase motor	550VA
MAX switching voltage	250Vca
Number of bus adresses	from 1 to 3 IN and form 1 to 3 OUT
Dimensions	3 modules for DIN rail

DF4RI/R

DF8RIT

he DF8RIT module for Domino bus is a multi-function device, which integrates, within a single container, the following functions:
• 8 digital inputs for potential-free contacts
• 8 power relay outputs that can be configured for ON-OFF control of generic loads or in pairs, for the management of shutters, blinds and similar (only for AC motors with double winding)
• 1 temperature probe input, with a measuring range of -20 ÷ + 50 °C, also suitable for the detection of both indoor and outdoor temperature
• Room temperature controller function with weekly programming (programmable chrono-thermostat, an operation identical to the Domino DFCT module)



Technical Data

Power supply	by BUS
Current for each input contact	1mA (closed contact) - 0mA (open contact)
MAX allowed lenght for input wires	20m
Temperature sensor	NTC
Temperature measurement range	-20 ÷ +50 °C
Temperature measurement resolution	0.1 °C
Temperature measurement range linearity	±0.3 °C
Temperature measurement MAX error	±0.3 °C
MAX lenght of cables for the connection to temp. sensor	10m, with shielded cable, shield connected to terminal 12
Number of regulated zones	1
Type of regulation	selectable among ON/OFF with hysteresis and PID
Intervention points (needed DFCK3 or DFCP4 modules)	48 for each day of the week
Setpoints	5 for Winter and 4 for Summer
MAX contact rating (each output)	Resistive load (cos φ =1) 12A a 250Vca (3000VA) Inductive load (cos φ =0.5) 3.6A a 250Vca (900VA) Incandescent lamps: 8A a 250Vca (2000VA) Fluorescent lamps: 350W with 42μF MAX PF correction capacitor
Rating on single phase motor	550VA
MAX switching voltage	250Vca
Number of bus adresses	from 1 to 3 IN and form 0 to 5 OUT
Dimensions	6 modules for DIN rail

DFTP/I AA

DFTP/I AD

DFTP/I DD

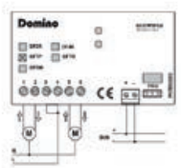
DFTP/I modules allow the driving of 2 motors to move rolling shutters, venetian-blinds, awnings and similar devices. DFTP/I modules also allow to transmit the status of 4 generic ON-OFF inputs (connected, for example, to push-buttons, switches, limit switches, etc.).These 4 inputs can also be used as local commands of the outputs of the module itself.
The standard version of DFTP/I module, identified as DFTP/I AA, is suitable for the connection of AC motors with two windings (ex. rolling shutters, rolling up blinds). On demand, it is possible to provide a special version of the module, identified by the suffix DD, for 2 dc motors (venetian blinds, mosquito net, vasistas), or also a mixed version, identified by the suffix AD, for one ac motor and one dc motors.

Technical Data

Power supply	by bus
Number of inputs	4, potential-free contacts only
Current for each input contact	1mA (closed contact), 0mA (open contact)
MAX allowed lenght for input wires	10 meters
MAX contact rating: Resistive load (cosφ =1) Single-phase ac motor: dc motor	 5A 250Vac (1250VA) 2.4A 230Vac (550VA, 0.75HP) 1.5A at 24V
MAX switching voltage	250Vac
Number of bus addresses	1 IN and 1 OUT (same value)
Dimensioni	3 modules for DIN rail

DFTP

DFTP/I modules allow the driving of 2 AC motors to move rolling shutters, venetian-blinds, awnings and similar devices. It is suitable for the installation inside wall boxes.

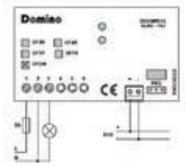


Technical Data

Power supply	by bus
MAX contact rating: Resistive load (cosφ =1) Single-phase ac motor:	 5A 250Vac (1250VA) 2.4A 230Vac (550VA, 0.75HP)
MAX switching voltage	250Vac
Number of bus addresses	1 OUT
Dimensions	74,5x43x26 mm

DFDM

DFDM dimmer modules allow the driving, through the Domino bus, of 1 resistive or inductive load up to 300W, such as incandescent or halogen lamps and transformers for low voltage lamps. DFDM module operates the phase control of the 230Vac mains supply by a TRIAC power device. The module can be controlled by pushbuttons connected to Domino input modules or by a supervisor or by a video-terminal (e.g. touch screen). For installation inside wall boxes.



Technical Data

Power supply	by bus
Allowable load	• Incandescent or halogen lamps: 20÷300 W, 230Vac 50Hz • Traditional and electronic transformers with secondary winding closed on resistive load (low voltage halogen lamps): 30÷300 VA, 230Vac 50Hz
Number of bus addresses	1 OUT and 1 optional IN
Dimensions	74,5 x 43 x 26 mm

DFDT

DFDT dimmer modules allow the driving, through the Domino bus, of 1 resistive or inductive load up to 500W, such as incandescent or halogen lamps and transformers for low voltage lamps. DFDT module operates the phase control of the 230Vac mains supply by a TRIAC power device. The module can be controlled by pushbuttons connected to Domino input modules or by a supervisor or by a video-terminal (e.g. touch screen). For DIN rail mounting.

Technical Data

Power supply	by bus
Allowable load	• Incandescent or halogen lamps: 20÷500 W, 230V~ 50Hz • Ferromagnetic or electronic transformers with secondary winding closed on resistive load (low voltage halogen lamps): 20÷500 VA, 230Vca 50Hz
Dimmable LED lamps 230Vac	up to 100W (*)
Dimmable energy saving lamps (ESL)	up to 100W (*)
Number of bus addresses	1 OUT and 1 optional IN
Dimensions	3 modules for DIN rail

Notes: DFDT module cannot drive fluorescent lamps. Load with power factor correction capacitor must be avoided. DFDT module contains a phase-controlled device (TRIAC). A built-in EMC noise suppression filter may generate a light buzzing that may be heard in very silent rooms; this, however, does not affect the proper operation of the device.
(*) For LED or ESL lamps, proper operation strictly depends on the type of lamp used; the proper operation cannot be guaranteed in advance for this type of lamps, even if they are declared “dimmable” by the manufacturer.

DFDV

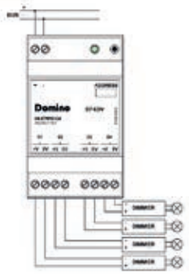
DFDV 1 ÷ 10V output module allows controlling, through the Domino bus, one external dimmer or electronic ballast. The module provides an internal power relay to break the supply to the ballast in order to ensure the complete switch-off of the lamp. DFDV module also provides a relay output for ON-OFF general purposes. The module can be controlled by pushbuttons on Domino bus or by a supervisor or by a video-terminal (e.g. touch screen).

Technical Data

Power supply	da bus
Analog voltage output	1 ÷ 10V / 10mA
MAX contact rating	• Resistive load (cos φ = 1):12A 250Vac (3000VA) • Inductive load (cos φ = 0.5): 3.6A 250Vac (900VA) • Incandescent lamps: 8A 250Vac (2000VA) • Fluorescent lamps: 350W with 42uF MAX PF correction capacitor
Number of bus addresses	1 OUT and 1 optional IN
Dimensions	3 modules for DIN rail

DF4DV

DF4DV module allows to control, through the Domino bus, 4 devices with 1÷10V input, typically dimmers or electronic ballasts, but also modulating valves and similar actuators. The module can be controlled by pushbuttons connected to Domino input modules or by a supervisor or by a video-terminal (e.g. touch screen).



Technical Data

Power supply	by bus
Analog voltage outputs	1÷10V / 10mA for each one of the 4 outputs
Number of bus addresses	4 OUT and 4 optional IN
Dimensions	3 modules for DIN rail

DFDI

DFDI dimmer module allow the brightness regulation of lamps up to 300W. DFDI module operates the phase control of the 230Vac mains supply by an IGBT power transistor; thanks to this technique, DFDI module can be set for two operating modes:
- reversed phase control ("trailing edge"): for resistive or capacitive loads such as electronic transformers and incandescent lamps
- direct phase control ("leading edge"): for inductive loads such as ferromagnetic or toroidal transformers

The module can be controlled by pushbuttons connected to Domino input modules or by a supervisor or by a video-terminal (e.g. touch screen).

Technical Data

Power supply	by bus
Allowed load	• Incandescent or halogen lamps: 20÷300 W, 230Vac 50Hz • Ferromagnetic or electronic transformers: 20÷300 VA, 230Vac 50Hz • dimmable LED lamps 230Vac: up to 80W (*) • dimmable energy saving lamps (ESL): up to 80W (*)
Number of bus addresses	1 OUT and 1 optional IN
Dimensions	74,5 x 43 x 26 mm

DFDI2

DFDI2 module allows the regulation, through the Domino bus, of resistive, capacitive or inductive loads up to 500W, such as incandescent and halogen lamps (with or without transformer).
DFDI2 module uses the IGBT transistor technology, instead of TRIAC, to regulate the power applied to the load being controlled; the control technique can be selected between "trailing edge" (for resistive and capacitive loads) and "leading edge" (for inductive transformer). The module is electronically protected against overloads, short circuits and over voltages.

Technical Data

Power supply	by bus
Allowed load	• Incandescent or halogen lamps: 20÷500 W, 230Vac 50Hz • Ferromagnetic or electronic transformers: 20÷500 VA, 230Vac 50Hz • dimmable LED lamps 230Vac: up to 80W (*)
Number of bus addresses	1 OUT and 1 optional IN
Dimensions	4 modules for DIN rail

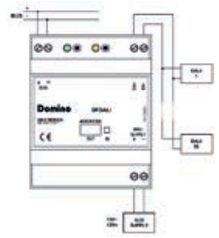
Notes: DFDI and DFDI2 modules cannot drive fluorescent lamps. - (*) For LED or ESL lamps, the operation closely depends on the exact type of used lamp; it is not possible to guarantee in advance the proper operation with this kind of lamps, even if they are declared as dimmable.

DFDALI

DFDALI module allows to manage up to 32 DALI ballasts (or similar devices) through the Domino bus.
DFDALI module can be successfully employed in domestic and professional lighting applications, where systems communicating by the DALI protocol are used.
DFDALI module offers the following main features:

- all timing functions are accomplished by the module and it may be controlled by any real or virtual input of the system, by supervisor or by video terminal
- possibility of control from one or more pushbuttons connected to Domino bus
- Up/Down and Single commands may be defined for the manual regulation of lighting level
- automatic brightness regulation (also without DFCP)
- programmable ramp, in the range 0 to 60 seconds
- setting of minimum and maximum output levels
- dynamic lights scenes can be easily implemented through DFCP
- the current brightness level may be stored and then recalled; up to 16 presets are available to create "real time" lighting scenes; the preset will be stored in the non-volatile memory of the ballasts
- if a Domino or DALI bus failure occurs, the output level will be automatically set to a user-defined level
- diagnostics of short circuit on the DALI line and lamp failure

The 32 devices for each line can be controlled as follows:
Broadcast: each command sent on the DALI line will be executed by all the connected devices, therefore all the related devices will behave in the same way.
Individually: the commands will be individually sent to each device, therefore each single device will behave independently (needs addressing of DALI devices).
Groups: the command will be sent to groups, therefore each group of devices will behave independently (needs addressing of DALI devices).
DFDALI module can operate in systems with or without DFCP controller. In all cases, the module can perform Up, Down and Single Command functions by real or virtual points; moreover, saving and recalling of sceneries can be accomplished by the module.



Technical Data

Power supply	by bus
DALI supply	12Vac or Vdc
Led	operation and diagnostic
Number of bus addresses	1 OUT and 1 optional IN
Dimensions	4 modules for DIN rail

DFDMX

DFDMX module allows to handle, through the Domino bus, up to 32 DMX devices. DFDMX module makes possible the communication over the first 64 of the 512 DMX channels allowed by this protocol. DFDMX module can be successfully employed in domestic and professional lighting applications, where systems communicating by the USITT DMX-512 protocol are used. DFDMX module features the following characteristics:
- all functions are managed by the module and can be controlled by any real or virtual input of the system, by supervisor or by video-terminal
- possibility to control the DMX system from one or more pushbuttons connected to the Domino bus
- up to 64 sceneries are available to realize "real time" scenes; the sceneries are stored in the non volatile memory of the module
- management of fade times
- management of several rooms by the same DFDMX

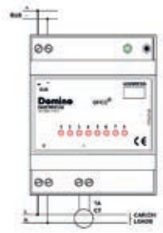
The module can handle 64 DMX channels, but the maximum amount of devices that can be effectively connected may be lower if each one of these needs more than one channel. In addition, the maximum amount of connected devices cannot override 32 units. DFDMX module can work in system with DFCP controller, but also without it. In any cases, it is possible the execution, on each channel, of functions like Up, Down and Single Command controlled by real or virtual points, with one-touch function; also it is possible to save and recall up to 64 sceneries.

Technical Data

Power supply	by bus
Led	operation and diagnostic
Number of bus addresses	1 OUT
Dimensions	3 modules for DIN rail

DFCC2

DFCC2 module allows, trough the Domino system, to manage the power absorbed by a single-phase electrical system, avoiding the interruptions of the electrical network caused by the simultaneous supplying of many loads with an excessive total power consumption; this module is a valid solution for the classification of a civil plant according to level 2 (V3 variant of the standard 64-8).
DFCC2 module can manage up to 8 distinct loads; many parameters for optimizing the module operation may be defined during the setting up. DFCC2 constantly monitors the total active power absorbed by the connected electrical systems (on the considered phase) and, if its value exceeds a threshold fixed during the setting up, it starts the load shedding according to a well defined sequence until the total power returns under the threshold. The loads can be disconnected from the electrical network by the Domino power relay output modules (e.g. DF4RI).
BDTools support program allows to define the value for disconnection threshold (12kW max), the priority of each load and the related delay times. The shedding status of the 8 loads is reported by DFCC2 module by means of 8 LEDs placed on its front panel and by a buzzer that, if not desired, can be disabled. DFCC2 module also provides the main electrical measurements, allowing to display them on the suprvisor systems.

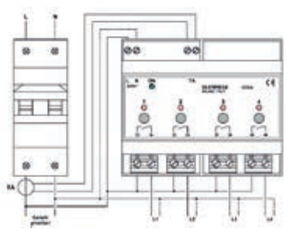


Technical Data

Power supply	by bus
Mains supply	230ac 50Hz ±20% 1-phase
Current transformer (CT)	provided
Power rating	up to 12kW
Nuber of managed loads	up to 8
Measured or calculated parameters	RMS Voltage, RMS Current, Active power, Reactive power, Apparent power, Power factor, Active energy consumption
Led	operation and diagnostic
Number of bus addresses	10 IN and 1 optional OUT
Dimensions	4 modules for DIN rail

CCSA

CCSA module allows to manage the power absorbed by a single-phase electrical system, avoiding the interruptions of the electrical network caused by the simultaneous supplying of many loads with an excessive total power consumption. DFCC2 constantly monitors the total active power absorbed by the connected electrical systems and, if its value exceeds a threshold fixed during the setting up, it starts the load shedding until the total power returns under the threshold. The loads are disconnected from the electrical network by the internal power relays. CCSA is a stand-alone module, thus it does not require the installation of Domino bus.

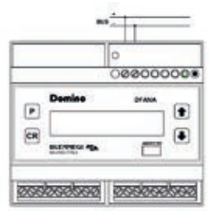


Technical Data

Mains supply	230Vac
Current transformer (CT)	provided
Power rating	up to 12KW
Shedding threshold	programmable (16 options available
Number of managed loads	4
Relay contact rating	16A 250Vac PF=1
Dimensions	6 modules for DIN rail

DFANA

DFANA module allows the measuremts of electrical parametrs of a three-phase and single-phase network. The module interfaces directly to the Domino bus, thus making the measurements immediately available and easy to use. The measurements are also showed on the front panel by a back-lighted LCD display. Among the several available measurements shown on the display, DFANA module can report on the bus up to 20 values.



Technical Data

Power supply	by bus
Display	back-lighted LCD 2x16 characters
Measurement voltage input	15 ÷ 300Vac 1-phase, 30 ÷ 500Vac 3-phase
Measurement current input	depending on CT rating
Measurement averaging time	1 ÷ 5 s
Voltage and current measurement accuracy	±0,5% ±1 digit
Power measurement accuracy	±1% ±1 digit
Data retention for energy, hour-meter and peaks measurements without power supply	2 months
Number of digital outputs	2 configurable as alarms or as pulses for energy counting
Aux power supply	115/230Vac
Number of bus addresses	1 to 20 IN and 1 OUT
Dimensions	6 modules for DIN rail

DFRHT

DFRHT module detects and transmits, over the Domino bus, the relative humidity and the ambient temperature measured by a special sensor inside the module itself. In addition, DFRHT module calculates the dew point. The dew point is the temperature at which, at constant pressure, the humidity contained in the air begins to condense into water. The dew point is always less than or equal to the temperature of the air.

DFRHT module provides 2 digital points that, when activated, report the following conditions:
- the dew point is greater than or equal to a configurable first value (e.g. 14ºC); this is useful to activate the dehumidifier
- the dew point is greater than or equal to a configurable second value (e.g. 18ºC, safety value); this is useful to switch off the cooler

These two thresholds can be freely fixed and also two separated configurable hysteresis are provided. DFRHT module is thus particularly suitable for the management of the dehumidification and cooling of rooms. DFRHT module has been expressly developed for the wall mounting.

Technical Data

Power supply	by bus
Humidity measurement	• Range: 0 ÷ 100% • Resolution: 0.1 points % • Accuracy: ±2 points % in the range 10÷90% • ±4 points % outside
Temperature measurement	• Range: -5 ÷ +50°C • Resolution: 0.1°C • Accuracy: ±0.5°C
Calculated Dew Point resolution	0.1°C
Led	operation and diagnostic
Number of bus addresses	4 IN and 2 optional OUT
Dimensions	80 x 80 x 34,2 mm

DFCT/A

DFCT/N

DFCT is a specialized module allowing to decentralize the ambient temperature regulation, thus considerably simplifying the programming of Domino system. The user interface can be realized by one or more DFTouch video-terminals. Each DFTouch can manage up to 24 DCFT modules and therefore up to 24 different zones of the house.
As alternative or in addition to DFTouch, all operating parameters of DFCT module can be easily monitored and changed by supervisor, touch screen terminals, via GSM, Internet, Intranet and so on. The user's manual of DFTouch describes the proper instructions to set up these special pages; the configuration will be however reduced to the entering of the name to be assigned to the zone, the base address of DFCT controlling it and the fancoil option. The photo shows a typical page on DFTouch controlling a DFCT.

Technical Data

Power supply	da bus
Sensor type	NTC
Temperature range	-10 ÷ +41,1 °C
Resolution	0,1 °C
Linearity	± 0,5 °C
MAX measurement error	± 0,5 °C
Max length for sensor wires	10 meters
Number of regulated zones	1
Type of regulation	selectable among ON/OFF with hysteresis and PID
Amount of intervention points (a DFCKIII module or DFCP controller is required)	48 for each day of the week
Available setpoints	5 for Winter and 4 for Summer
Led	operation and diagnostic
Number of bus addresses	2 IN and 5 OUT
Dimensions	39 x 39 x 13 mm

DFTZ/N

DFTZ modules is a single zone temperature regulator suitable for installation in wall boxes (e.g. mod. 503). DFTZ is a specialized module, featuring a back-lighted graphic display showing the ambient temperature measured by a sensor integrated in the panel, the current setpoint and other information about its status. DFTZ allows 3 levels of temperature setpoint: Comfort, Economy and No-Frost. The Comfort and Economy setpoint, as well as temperature differentials (hysteresis), can be independently defined for Winter and Summer. The control of the heating or cooling device is performed via bus; as option, DFTZ can be provided with an internal relay for the direct control of the device.
Four buttons on the panel allow to change the selected setpoint, to switch Comfort/Economy and to deactivate the regulation (OFF). All operating parameters of the module DFTZ can be monitored and changed via bus, then by a supervisor, touch screen terminals, etc.

Technical Data

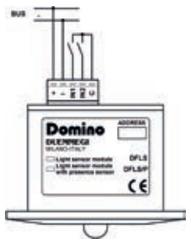
Power supply	by bus
Display	LCD graphic type, with timed back-light
Temperature sensor	NTC integrated in the panel
Displayed Temperature	0.0 ÷ 45.0°C
Temper. measurement resolution	0.1°C
Linearity	± 0.5°C
MAX error	± 0.5°C
Number of regulated zones	1
Type of regulation	ON/OFF with hysteresis and Winter/Summer operation
Regulation range:	Comfort 10.0 ÷ 35.5°C Economy 10.0 ÷ 35.5°C No-Frost 0.0 ÷ 25.5°C
Hysteresis	Programmable and separated for Summer and Winter
Optional relay:	Max working voltage 24Vca or 24Vcc Max current 2A resistive load, 1A inductive load
Number of bus addresses	3 IN and 3 OUT
Housing	for wall boxes mod. 503

DFTZ/B

DFLS

Using the Domino Bus, the DFLS module allows the transmission of room brightness settings detected by a sensor that is built in the module itself. The DFLS-P version also has a built-in presence sensor. DFLS also provides two generic Domino digital inputs (ON / OFF, programmable NO / NC); one of these two inputs can also be configured as an input for extra sensors (e.g. the SRP module). Such sensors will exist in parallel to the internal presence sensor (in case of -P version). The DFLS module finds its natural application in the regulation of lighting in offices, stores and open spaces, in compliance with the European standards for energy classification of plants (European standard EN 15232).

DFLS-P



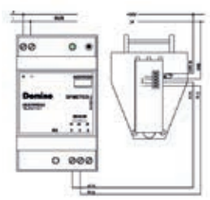
Technical Data

Power supply	by bus
Digital inputs	2, for free potential contacts
MAX lenght for digital input wires	20m
Sensor type	Photodetector with a spectral response equivalent to the human eye
Full scale	1023 points
Occupancy sensor	Passive infrared principle (PIR)
Detection angle	100°
Detection range	5m MAX
Number of bus adresses	2IN

DFMETEO

The DFMETEO module has been specifically designed to acquire data from a weather station that measures variety of parameters to make them available to the system. These parameters can be thus viewed on DFTouch, Supervisor system or similar devices. The module housing is 3M and it takes 4 input and 3 optional out addresses.
The module report the following information:
1) Temperature in Celsius degrees
2) Daylight in lux
3) Wind speed in m/s
4) Digital information like:
- Rain
- Twilight
- Temperature >= Threshold
- Daylight >= Threshold
- Wind >= Threshold
- Light from South
- Light from West
- Light from East
- Sensor failure

The 3 thresholds (Temperature, Daylight and Wind Speed) can be set as fixed in memory or, by enabling 3 optional output addresses, as variables (e.g. setting by Touch screen).
Nota Bene: the weather station must be installed in a easily accessible site for periodic and accurate cleaning.



Technical Data

Power supply	by bus
Power supply of meteo sensor	24V ± 15%
Current consumption DFMETEO	equivalent to 4 standard modules
Max sensor current consumption	100mA
Temperature measurement	-30 ÷ +50 °C
Daylight measurement	0 ÷ 99000 lux
Wind speed measurement	0 ÷ 70 m/s
MODMETEO protection degree	IP20
Sensor protection degree	IP44
Numeber of bus addresses	4IN and 3 optional OUT
Dimension	3 modules for DIN rail

DFSUN

DFSUN module allows to transmit, over the Domino bus, the ambient brightness value detected by a sensor inside the module itself. The module has been developed for applications requiring a case with integrated sensor, with a good extent of the protection degree, for external use or for detection of brightness in hangars or similar industrial buildings. Through a 4-way dip switch, DFSUN module can be configured for 5 full scale values.

Technical Data

Power supply	by bus
Sensor type	Photodiode with integrated filter
Full scale configurable among:	500 lux 1000 lux 2000 lux 20000 lux 100000 lux
Resolution	1023 points
Measurement error	±5% of full scale value
Led	operation and diagnostic
Number of bus addresses	1 IN
Protection degree	IP55

DFAI

DFAI modules provides 2 x 0÷10V or 0÷5V analog inputs. It can be connected to any 0÷10V transmitter; it is also possible to connect one or two potentiometers supplied by a reference voltage provided by the module itself.

Technical Data

Power supply	by bus
Number of analog inputs	2, 0-10V or 0-5V type
Input impedance	220 KΩ
Input resolution	1000 points
Linearity	±1 LSB
MAX error	±0.2% of full scale value
Ouput voltage for potentiometer supply	5V ±5%
Potentiometer value (not provided)	10 K linear, max 47 K
Max lenght for analog inputs	10 meters, shielded cable
MAX length of cables for the connection to potentiometers	50 cm, no shieldrequired
Led	operation and diagnostic
Number of bus addresses	2 IN
Dimensions	39 x 39 x 13 mm

DFCKIII

The DFCKIII module allows the management of scheduled events, both in daily and weekly mode, in the Domino bus system. By means of the CLOCK function it is possible to manage a virtually unlimited amount of outputs, each one having many turn on and turn off scheduled times; as an alternative, DFCKIII module can manage up to 15 different zones, with the advantages that each scheduled time can directly be changed from one or more DFTouch video-terminal (or other similar device).

For each zone it is possible to set 4 different activation time intervals (4 times for turn on and 4 times for turn off) for each of the 7 days of the week.
The main features of DFCKIII module are:

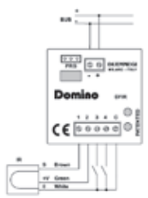
- internal clock with back-up battery and automatic change between daylight saving and standard time
- management of 15 different zones (outputs)
- daily and weekly programming for each zone
- possibility to enable/disable each scheduled time
- possibility to install more DFCKIII (with different addresses) in the same plant
- possibility to set a MASTER clock and some different SLAVEs (these ones will be synchronized to MASTER)

Technical Data

Power supply	by bus
Number of managed zones	15
Number of time interval for each day	4
Internal backup battery	NiMH 3,6V 11mAh
Number of bus addresses	1 IN
Dimensions	2 modules for DIN rail

DFIR

DFIR module allows to receive, from an infrared remote control, up to 124 independent channels; DFIR module also provides 2 digital inputs. The IR sensor is provided. Suitable for mounting inside wall boxes. Under request, a 11 channel hand hel remote control can be provided.

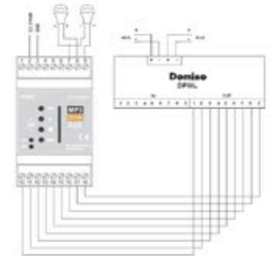


Technical Data

Power supply	by bus
Current for each input contact	1mA (closed contact) 0mA (open contact)
Input voltage	5Vdc
MAX allowed lenght for input wires	10 m
MAX allowed lenght for IR sensor	30 cm
Number of bus addresses	1IN for each group of 4 channels + 1IN for digital inputs
Dimensions	39 x 39 x 13 mm

DFMP3

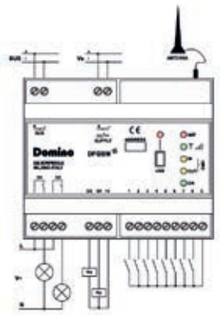
DFMP3 device is an amplified player for audio files in MP3 format, suitable for playing music tracks, sequences, audio messages, sound, alarm messages, voice messages, etc.; the execution of the MP3 files can be controlled by Domino bus; it can be applied in applications such as shops, showrooms, museums, housing, etc. The module requires 12-24Vdc power supply.
It provides an audio preamp output for driving external amplifiers. It has amplified stereo audio output 20W + 20W for connecting speakers with impedance from 4 to 8 ohms.
8 logic inputs allow the choice of the audio file through a binary combination. DFMP3 can be controlled by Domino bus connectig it to a DF8IL module.



DFGSMIII

DFGSMIII module allows to receive information from a Domino bus and to send commands using a standard GSM portable phone. The way to exchange information with the Domino bus is based upon the SMS messages (Short Message Service): each sent/received message contains literal strings fully configurable by the user. In comparison to similar systems based on DTMF tones, DFGSMIII module allows to exclude any misunderstanding about the sent commands and to have clear and explicit information about the status of the system. DFGSMIII contains a "GSM engine" that may operate both with rechargeable and contract SIM cards.

The software DFGSM Tools, free of charge, allows everyone to configure DFGSMIII module in a very simple way.



Technical Data

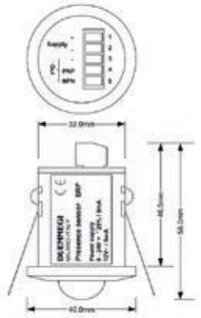
Power supply	12÷24Vdc SELV ±20% or 12Vac ±10%
Current consumption MAX	0.5A @ 12V, 0.3A @ 24V
Internal battery	3.6V / 1100mAh Li-Ion
Local inputs	8
Current for each input	1mA MAX
MAX voltage on output contacts O1 and O2	60Vdc, 250Vac
Contact rating (O1 and O2)	1A @ 60Vdc, 1A @ 250Vac
MIN load on contacts O1 and O2	10mA @ 12Vdc
Type and MAX output current on output O3 and O4	NPN, 150mA
+V voltage for external relays	- Using dc supply: equal to the supply voltage itself - Using 12V~ supply: 15Vdc about
Occupied addresses	4 IN (consecutive)
Number of outgoing SMS	64+4 for power supply and bus failure
Number of incoming SMS for commands	64, different actions each one
Number of phone numbers for outgoing/incoming SMS	32 plus jolly number
Number of voice call for command execution	1 for each phone number
Additional features:	• forwarding of SMS received from not listed numbers to a chosen number • credit request feature • management of PIN and PUK by PC • LOG on SD CARD

GSM ENGINE data

Frequency bands	850, 900, 1800 and 1900 MHz
Transmit power	Class 4 (2W) for 850/900 Class 1 (1W) for 1800/1900
Sensitivity	106dBm
SIM interface	slot SIM card 1,8/3V
PC interface	USB
Dimensions	DIN 6M for DIN rail

SRP

SRP (Sensor for the Revelation of Presence) module is a general purpose presence detector compatible with Domino bus. SRP is for false-ceiling mounting applications and it allows to detected the presence of moving people in the range of 10 meters from the sensors.



Technical Data

Mounting	for false ceiling
Power supply	8÷30Vdc or 12 Vac
Aperture angle	100°
Detection range	10m max
Max mounting height	6.5 m
Outputs	NPN and PNP voltage outputs
Current consumption	8mA, output current excluded

DFWIRE

The bus cable provided by DUEMMEGI is FROR rigid type, flame retardant CEI 20-22 with 1000V isolation. The wires are a twisted pair 2x 0.8 sq.mm. This type of cable facilitates the work of the installer, thus reducing the installation time.

FRAGRANCE DIFFUSERS

The air we breathe can be "decorated", according to personal taste, with delicate and unforgettable aromas. It is therefore possible to improve air quality, with fragrances to sanitize and purify, and promote the welfare and comfort, creating emotions and moods with olfactory, evocative and stimulating notes.
In relation to the volume of environments, presence and climatic variables, it is possible to choose the right set of diffuser system with surprising results. The integration of these devices with the Domino system is simple and effective.

DFSK1

Smart Home KIT:
• 1 DFAPP Gateway module between the Ethernet network and the Domino bus. It allows to control the home automation system through applications iCasaMia and ACasaMia available for free on the related stores. DFAPP allows the programming of the system functions, reading and editing of operating programs, updating firmware of modules and more yet through the Ethernet network, both locally and remotely.
• 1 DF8RIT Multifunctional module with 8 digital inputs for potential free contacts, 8 power-relay outputs which can be set for the ONOFF command of generic loads or, as pairs, for the management of rolling shutters, awnings and similar devices driven by double winding motors, 1 analog input for temperature probe. DF8RIT has also an ambient temperature regulator function, featuring weekly programming.
• 1 DFST/A Temperature probe for DF8RIT analog input.
• 1 DFPW2 Module that generates the proper power supply required by the modules connected to Domino bus.

DFAPP - Technical Data

Power supply	12 ÷ 24V SELV or by Domino bus
MAX currwnt consumption	MAX 160mA @ 12V 90mA @ 24V
CPU	Raspberry Pi 2 Model B con CPU quad-core Cortex-A7 Broadcom BCM2836 900MHz ARM
RAM	1GB
SSD	Micro SD industrial-grade SLC 4GB
Available interfaces	4 USB + 1 Ethernet 10/100Mbps
Dimensions	4 modules for DIN rail

DF8RIT - Technical Data

Power supply	by BUS
Current for each input contact	1mA (closed contact) - 0mA (open contact)
MAX allowed lenght for input wires	20m
Temperature sensor	NTC
Temperature measurement range	-20 ÷ +50 °C
Temperature measurement resolution	0.1 °C
Temperature measurement range linearity	±0.3 °C
Temperature measurement MAX error	±0.3 °C
MAX lenght of cables for the connection to temp. sensor	10m, with shielded cable, shield connected to terminal 12
Number of regulated zones	1
Type of regulation	selectable among ON/OFF with hysteresis and PID
Intervention points (needed DFCK3 or DFCP4 modules)	48 for each day of the week
Setpoints	5 for Winter and 4 for Summer
MAX contact rating (each output)	Resistive load (cos φ =1) 12A a 250Vca (3000VA) Inductive load (cos φ =0.5) 3.6A a 250Vca (900VA) Incandescent lamps: 8A a 250Vca (2000VA) Fluorescent lamps: 350W with 42μF MAX PF correction capacitor
Rating on single phase motor	550VA
MAX switching voltage	250Vca
Number of bus adresses	from 1 to 3 IN and form 0 to 5 OUT
Dimensions	6 modules for DIN rail

DFPW2 - Technical Data

Input power supply	230Vca ±10% 50Hz, 20VA
Nominal output voltage (bus)	25V peak, pulsed waveform, SELV
Overload and short circuit protection	Electronic
Allowable number of Domino modules for each DFPW2	50 - (weight 1)
Number of bus addresses	-
Housing	standard 6M for DIN rail

NOTE

THE KNX STANDARD

With more than 10,000 devices made by 130 manufacturers that leads the electronic and plant engineering sector and over 12 million nodes installed throughout the world, the KNX standard is today a widespread reality in the field of home and building control.

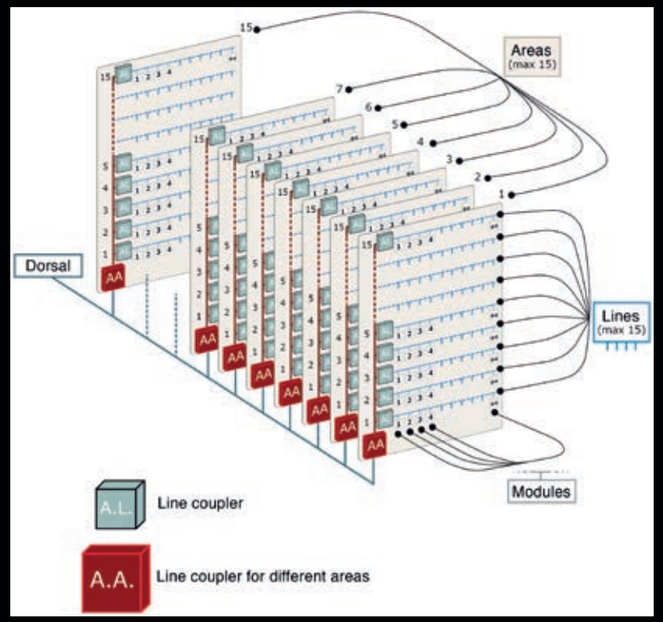
KNX approved as:

- European Standard (CENELEC EN 50090, CEN EN 13321-1 e CEN EN 1332-2 “KNXnet/IP”)
- International Standard (ISO/IEC 14543-3)
- Chinese Standard (GB/Z 20965)
- US Standard (ANSI/ASHRAE 135)

For more information, visit the KONNEX official website:
www.konnex.org

SYSTEM STRUCTURE AND WIRING

Structure of a KONNEX system:



As showed, a complete system is made from KNX devices organized in areas and connected in different lines.
For the power supply and the transmission of different signals, the lines uses a copper pair called BUS cable, that provides the network for the communication system: the BUS.

By analizing in detail the scheme we can deduct the following information:
- Each line can host a maximum of 64 KNX devices
- Each area supports a maximum of 15 different lines
- The system supports a maximum of 15 different areas

Couplers allow the communication between different lines and areas. As suggested by the name itself a line coupler serves to connect a line to a main line (the vertical Bordeaux line seen in the scheme), whereas another coupler allows the communication between the different main lines through a dorsal.

An important feature to know is that every line, as well as the main lines and the dorsal can be configured as desired:

- linear connection
- star connection
- tree connection

as long as the KNX standards are respected, for example:

- maximum lenght allowed for single area: 1000 m
- maximum number of devices allowed on a single line: 64
- maximum distance allowed between 2 devices: 700 m
- maximum distance allowed between a device and a power supply module: 350 m
- maximum number of power supply modules admitted on a single line: 2 (with a minimum distance of 200 m between each other)
- in no case it is allowed to configure the system as a closed ring connection

In the end it has to be considered that the BUS deals only with the transmission of signals and commands, the 230V power supply must therefore be brought directly to the various electrical loads such as lights or shutters and blinds excluding switches or any command and control equipment form the wiring.

CAPACITIVE GLASSPAD

NK-iGLASS-6 "N"

NK-iGLASS-6 è una tastiera in vetro KNX con tecnologia capacitiva disponibile di colore bianco o nero, è adatta per essere alloggiata in una scatola da incasso 503 ed integra un modulo a 6 ingressi digitali normalmente aperti e 6 uscite led. Oltre ad essere dotata di feedback acustico, la tastiera, mediante opportuna programmazione, permette ad ogni singolo pulsante di essere illuminato individualmente. È possibile inoltre attivare una retroilluminazione diffusa di tutti i pulsanti, sia continua che temporanea, la quale genera anche un alone di luce che si propaga sulla parete.

NK-iGLASS-6 "B"

Technical Data

Dimensions	Housing for 503 wall box
Power supply	From KNX bus 21..30 Vcc SELV current consumption < 10mA
General characteristics	• 6 configurable inputs • 6 configurable feedback LED (embedded) • Configurable backlighting • Configurable acoustic feedback

NK-iGLASS-4 "N"

NK-iGLASS-4 is a KNX glass keyboard with capacitive technology available in black or white color and is suitable to be housed in a 503 wall box. It integrates a 4 digital inputs module to normally open, 4 feedback LEDs and anacoustic buzzer, all fully programmable.
It is also possible to activate a diffuse backlighting of all the buttons, either continuous or temporary, which also generates a light halo on the wall.

NK-iGLASS-4 "B"

Technical Data

Dimensions	Housing for 503 wall box
Power supply	From KNX bus 21..30 Vcc SELV current consumption < 10mA
General characteristics	• 4 configurable inputs • 4 configurable feedback LED (embedded) • Configurable backlighting • Configurable acoustic feedback

POWER SUPPLY MODULES

NK-PS160

The power supply unit NK-PS160 provides the system power necessary for the instabus EIB. The connection to the bus line is established by clicking the device onto the DIN-rail (with a data rail installed) and/or via the bus connection block located on the front side. The integrated choke prevents the data telegrams from short-circuiting on the bus line. When the built-in reset switch is operated, the bus devices are returned to their initial state.

Technical Data

Dimensions	4 modules for DIN rail
Input voltage	Rate voltage: from 100V to 240V AC 50..60Hz
Output voltage	29 DC +-1V
Output current	Max 160 mA (short circuit protection)
Control elements	1 built-in reset switch for output power supply
Indicators	1 Led green (presence of bus voltage) 1 Led red (overload)

NK-PS320

The power supply unit NK-PS320 provides the system power necessary for the instabus EIB. The connection to the bus line is established by clicking the device onto the DIN-rail (with a data rail installed) and/or via the bus connection block located on the front side. The integrated choke prevents the data telegrams from short-circuiting on the bus line. When the built-in reset switch is operated, the bus devices are returned to their initial state.

Technical Data

Dimensions	4 modules for DIN rail
Input voltage	Rate voltage: from 100V to 240V AC 50..60Hz
Output voltage	29 DC +-1V
Output current	Max 320 mA (short circuit protection)
Control elements	1 built-in reset switch for output power supply
Indicators	1 Led green (presence of bus voltage) 1 Led red (overload)

NK-PS640

The power supply unit NK-PS640 provides the system power necessary for the instabus EIB. The connection to the bus line is established by clicking the device onto the DIN-rail (with a data rail installed) and/or via the bus connection block located on the front side. The integrated choke prevents the data telegrams from short-circuiting on the bus line. When the built-in reset switch is operated, the bus devices are returned to their initial state.

Technical Data

Dimensions	6 modules for DIN rail
Input voltage	Rate voltage: from 100V to 240V AC 50..60Hz
Output voltage	29 DC +-1V
Output current	Max 640 mA (short circuit protection)
Control elements	1 built-in reset switch for output power supply
Indicators	1 Led green (presence of bus voltage) 1 Led red (overload)

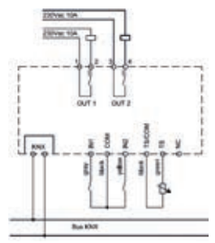
NK-IO32M

NK-IO32M is equipped with KNX communication interface and includes:

- 2 digital inputs
- 1 analog input
- 2 relay output (bistable)

Digital inputs are intended to be connected to free potential contacts and can interface sensors, traditional buttons, etc; they can be used to on/off commands, dimming, shutter control, scene recall and control, sequences of 3 objects. Analog input, can manage one temperature probe (with On/Off threshold) or one thermostats to control heating and cooling equipments, valves, 2 and 4 pipes fan coils; etc.. Analog input, alternatively to the temperature sensor, can manage a Infrared Receiver (IRX) in order to forward to the bus up to 8 channel coming from a Infrared Remote Control (IRC) with on/off commands, scenes, sequences of 2 objects, dimmer and shutter. Outputs include switching function with timed delays, staircase function, scene recall, lock or logic function.
The 2 outputs can be configured:

- Each output can be configured independently to control generic loads (2 independent channels)
- Each output can be configured independently for ON / OFF or continuous switching (PWM) for Electric valves (solenoid actuators) (2 independent channels)
- Outputs can be configured in pairs for the management of roller shutters and blinds; (1 channel).

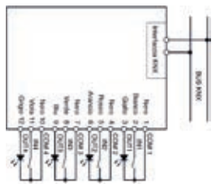


Technical Data

Dimensions	height x diameter: 52 x 28mm
Power supply	From KNX bus 21..30 Vcc SELV current consumption < 10mA
Digital inputs	• For potential free contacts • MAX cable length ≤ 20m (twisted) • Voltage scanning Vn = 3,3V (internally generated)
Analog input	Connection to temperature Probe: NK-SDT1 (range from -20°C to +100°C) NK-SDT2 (range from -50°C to +60°C) Connection to infrared receiver: NK-RIR
Outputs	• 10 A cos φ 1 - 230 Vac • Max capacitance at 230V: 21μF 5.000 cycles • Max load incandescent lamps: 1500W 50.000 cycles • Max load fluorescent lamps: 6 x18W 25.000 cycles • Max load halogen lamps: 500W 50.000 cycles • Max load gas discharge lamps: 200W 25.000 cycles

NK-IO44M

NK-IO44M is dedicated to interfacing free potential contacts through the 4 input channels, for example sensors, traditional buttons, etc. and 4 output channels at low voltage for drive LED for synoptics panels or switches.

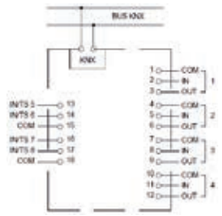


Technical Data

Dimensions	height x width x depth: 43x36x17mm
Power supply	From KNX bus 21..30 Vcc SELV current consumption < 10mA
Digital inputs	• 4 digital inputs for potential free contacts • MAX cable lenght 10m (twisted) • Voltage scanning Vn = 3,3V (internally generated)
Digital LED outputs	4 low voltage outputs for signal LEDS Max 0,5 mA for each output

NK-IO84M

NK-IO84M module includes 4 digital inputs to interface free potential contacts; 4 analog / digital inputs for free potential contacts or temperature sensors and 4 LED outputs. Digital inputs can interface sensors, traditional buttons, etc; 4 LED output channels at low voltage can drive LED for synoptics panels or switches.



Technical Data

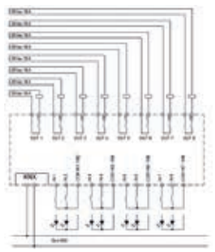
Dimensions	height x width x depth: 43x36x24mm
Power supply	From KNX bus 21..30 Vcc SELV current consumption < 10mA
12 configurable channels	• [01 ÷ 04] 4 digital inputs (for free potential contacts) [05 ÷ 08] 4 digital or analogic inputs (for free potential contacts or temperature probe) • [09 ÷ 12] 4 low voltage outputs for signal LEDS
Digital inputs	• 8 channels [01 ÷ 08] for free potential contacts • Voltage scanning 3,3 V Dc • MAX inputs cable lenght 30m (twisted) [01 ÷ 04] • MAX inputs cable lenght 10m (twisted) [05 ÷ 08] • 6 poles terminal with screws [05 ÷ 08]
Analog inputs	• 4 channels [05 ÷ 08] configurable as temperatur sensors with both probes: NK-SDT1 (range from -20°C to +100°C) NK-SDT2 (range from -50°C to +60°C) • 2 channels [05 ÷ 06] configurable as thermostat
Digital LED outputs	4 low voltage outputs for signal LEDS Max 0,3 mA for each output
Heating and cooling mode	• Mode can be set with HVAC MODE object or with set point • Set point change is programmable via BUS • 2 ON/OFF points and algorithm for PWM control • 3 speed fan coil control • OFF MODE for open windows (contacts required) • Comfort MODE (occupied room)

NK-IO88

The DIN RAIL 8 Input / 8 Output Module NK-IO88 is a KNX DIN rail mounting device useful to interface commands (e.g. push buttons) or loads (e.g. lamps) for any kind of applications. The device is equipped with 8 binary inputs (potential free) and 8 binary relay outputs. Inputs can be connected to conventional switching devices, e.g. push buttons, switches, floating contacts, for switching functions with pulse edge evaluation (e.g. rising or falling edge, toggle...). Inputs can be configured with ETS SW, as output to drive LEDS. Inputs can be used to for on/off commands, dimming, shutter control, scene recall and control; outputs include switching function, scene recall and control logic function.

The 8 outputs on board can be configured:

- Each output can be configured independently for load control (R1 to R8)
- Each output can be configured independently for ON / OFF or continuous switching (PWM) for Electric valves (solenoid actuators) (EV1 to EV8)
- Outputs can be configured in pairs for the management of roller shutters and blinds; up to 4 channels (Channels A to D)
- Outputs can be configured in pairs for management of Motor Reductor or for solenoid valves with 3-point control or for ventilating grille; up to 4 channels (Channels A to D)
- Fan Coil Actuator for 2/4 pipes systems for Heating / Cooling with 3 speed motors) (uses relay from 1 to 5)



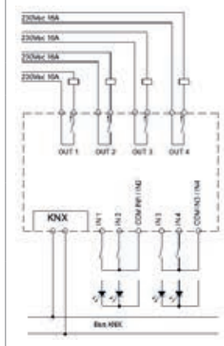
Technical Data

Dimensions	Standard 4M for DIN rail mount
Power supply	From KNX bus 21..30 Vcc SELV current consumption < 10mA
Connections	• Outputs: 2 screw connection for each input, MAX cable width. 4 mm2 • Inputs: 3 screw connection every 2 inputs, MAX cable width. 4 mm2
General characteristics	• 8 inputs for free potential contacts configurable also as low voltage outputs for signal LEDS • 8 relay outputs (16 A)
Outputs	• Resistive loads: Max 16 A • Incandescent lamps: Max 10 A • Motor and motor reduction unites: Max 10 A • Fluorescent lamps with electronic transformer: Max 6 A (max 140uF) max 3A (700W)

NK-IO44

The DIN RAIL 4 Input / 4 Output Module NK-IO44 is a KNX DIN rail mounting device useful to interface commands (e.g. push buttons) or loads (e.g. lamps) for any kind of applications. The device is equipped with 4 binary inputs (potential free) and 4 binary relay outputs. Inputs can be connected to conventional switching devices, e.g. push buttons, switches, floating contacts, for switching functions with pulse edge evaluation (e.g. rising or falling edge, toggle...). Inputs can be configured with ETS SW, as output to drive LEDS. Inputs can be used to for on/off commands, dimming, shutter control, scene recall and control; outputs include switching function, scene recall and control logic function.

The 4 outputs on board can be configured:
- Each output can be configured independently for load control (R1 to R4)
- Each output can be configured independently for ON / OFF or continuous switching (PWM) for Electric valves (solenoid actuators) (EV1 to EV4)
- Outputs can be configured in pairs for the management of roller shutters and blinds; up to 2 channels (Channels A to B)
- Outputs can be configured in pairs for management of Motor Reductor or for solenoid valves with 3-point control or for ventilating grille; up to 2 channels (Channels A to B)

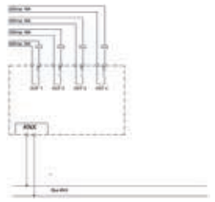


Technical Data

Dimensions	Standard 4M for DIN rail mount
Power supply	From KNX bus 21..30 Vcc SELV current consumption < 10mA
Connections	• Outputs: 2 screw connection for each input, MAX cable width. 4 mm2 • Inputs: 3 screw connection every 2 inputs, MAX cable width. 4 mm2
General characteristics	• 4 inputs for free potential contacts configurable also as low voltage outputs for signal LEDS • 4 relay outputs (16 A)
Outputs	• Resistive loads: Max 16 A • Incandescent lamps: Max 10 A • Motor and motor reduction unites: Max 10 A • Fluorescent lamps with electronic transformer: Max 6 A • Fluorescent lamps (max 140uF): Max 3 A (700W)

NK-M4U

The DIN RAIL 4 output Module NK-M4U is a KNX DIN rail mounting device useful to interface commands (e.g. push buttons) or loads (e.g. lamps) for any kind of applications.
The 4 outputs on board can be configured:
- Each output can be configured independently for load control
- Each output can be configured independently for ON/OFF or continuous switching (PWM) for Electric valves
- Outputs can be configured in pairs for the management of roller shutters and blinds; up to 2 channels (Channels A to B)
- Outputs can be configured in pairs for management of Motor Reductor with 3 point control or for electronic valves or ventilating grille; up to 2 channels (Channels A to B)



Technical Data

Dimensions	Standard 4M for DIN rail mount
Power supply	From KNX bus 21..30 Vcc SELV current consumption < 10mA
Connections	Outputs: 2 screw connection for each input, MAX cable width. 4 mm2
General characteristics	4 relay outputs (16 A)
Outputs	• Resistive loads: Max 16 A • Incandescent lamps: Max 10 A • Motor and motor reduction unites: Max 10 A • Fluorescent lamps with electronic transformer: Max 4 A • Fluorescent lamps (max 140uF): Max 3 A (700W)

NK-M8U

The DIN RAIL 8 output Module NK-M8U is a KNX DIN rail mounting device useful to interface commands (e.g. push buttons) or loads (e.g. lamps) for any kind of applications.
The 8 outputs on board can be configured:
- Each output can be configured independently for load control (R1 to R8)
- Each output can be configured independently for ON/OFF or continuous switching (PWM) for Electric valves (solenoid actuators) (EV1 to EV8)
- Outputs can be configured in pairs for the management of roller shutters and blinds; up to 4 channels (Channels A to D)
- Outputs can be configured in pairs for management of Motor Reductor or for solenoid valves with 3 point control or for ventilating grille; up to 4 channels (Channels A to D)
- Fan Coil Actuator for 2/4 pipes systems for Heating / Cooling with 3 speed motors) (uses relay from 1 to 5)

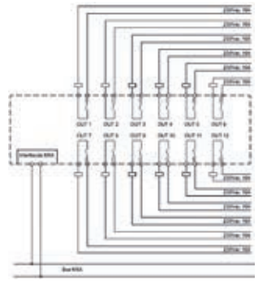
Technical Data

Dimensions	Standard 4M for DIN rail mount
Power supply	From KNX bus 21..30 Vcc SELV current consumption < 10mA
Connections	Outputs: 2 screw connection for each input, MAX cable width. 4 mm2
General characteristics	8 relay outputs (16 A)
Outputs	• Resistive loads: Max 16 A • Incandescent lamps: Max 10 A • Motor and motor reduction unites: Max 10 A • Fluorescent lamps with electronic transformer: Max 4 A • Fluorescent lamps (max 140uF): Max 3 A (700W)

NK-M12U

NK-M12U is a Din Rail 12 output 16 A actuator and each output is associated to a frontal button configured to switch the relay witch logical interlock.

The 12 outputs on board can be configured:
- Control up to 12 independent loads / lights
- Control up to 6 independent blind / roller shutters with mechanical end position



Technical Data

Dimensions	Standard 9M for DIN rail mount
Power supply	From KNX bus 21..30 Vcc SELV current consumption < 10mA
Connections	Outputs: 2 screw connection for each input, MAX cable width. 4 mm2
General characteristics	12 relay outputs (16 A)
Outputs	• Resistive loads: Max 16 A • Incandescent lamps: Max 10 A • Motor and motor reduction unites: Max 10 A • Fluorescent lamps with electronic transformer (max 140uF): Max 3 A (700W)

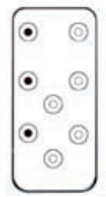
ACCESSORI

NexKon

NK-RIR

Infrared receiver for NK-IO32M.

NK-TIR



Infrared remote controller for NK-IO32M connected with NK-RIR.

NK-SDT1

Temperature probe for NK-IO32M or NK-IO84M with a measurement range from -20 °C to +100 °C.
Probe for internal use.

NK-SDT2

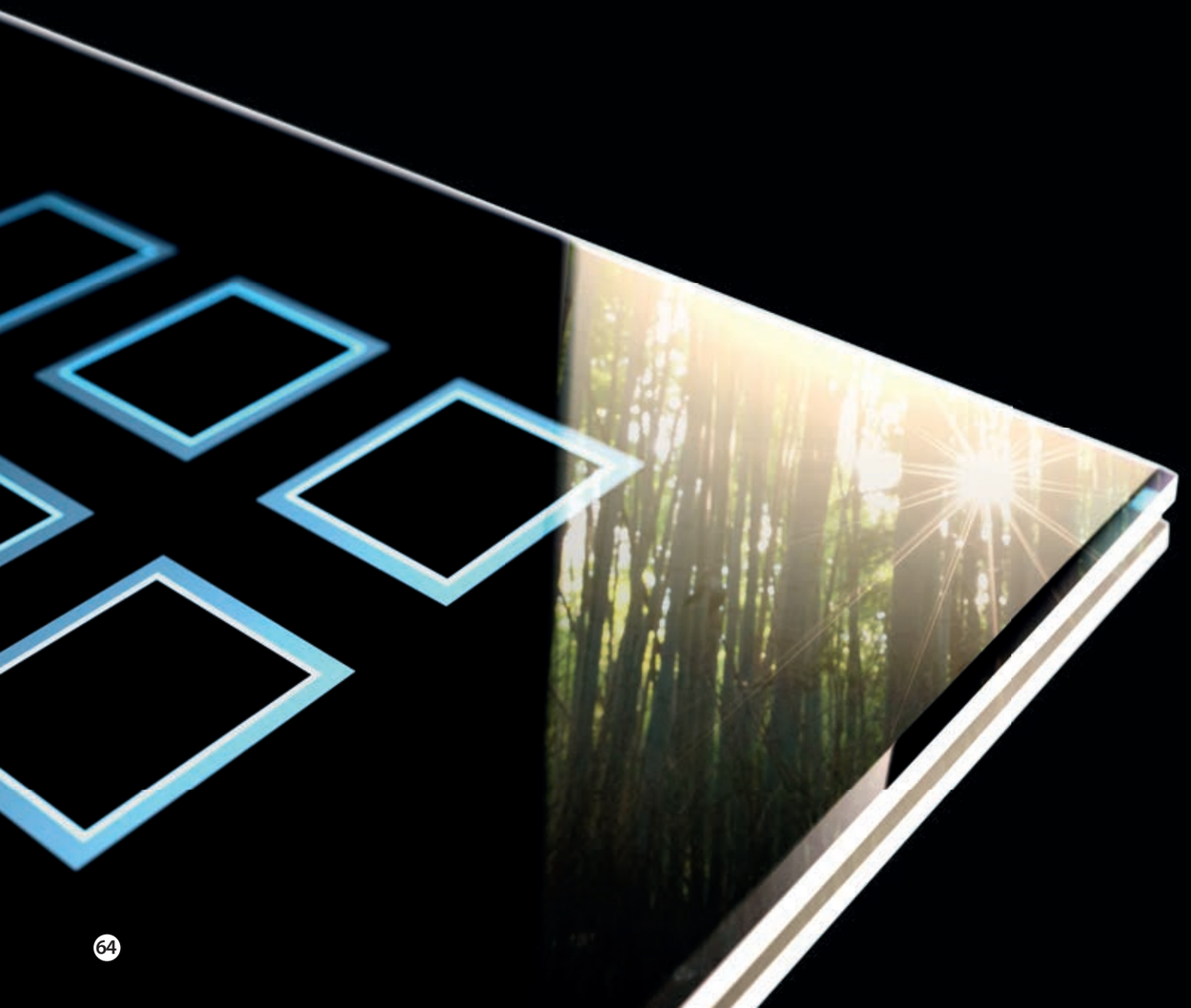
Temperature probe for NK-IO32M or NK-IO84M with a measurement range from -50 °C to +60 °C.
Probe for external use.

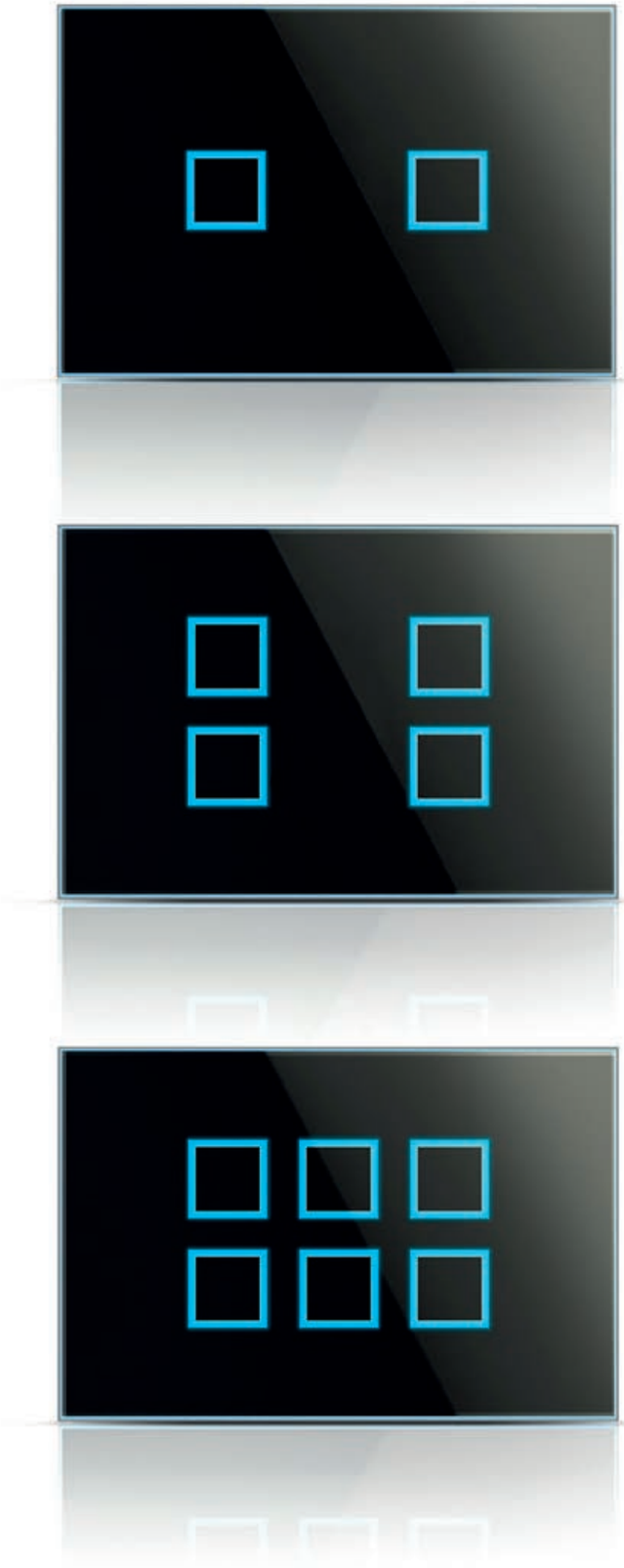
NOTE

HOME SAVING

AN ATTENTIVE PROJECT,
FOCUSING ON ENERGY SAVING
FOR A KINDER FUTURE.

The essential profiles of these controlled devices are in glass and can be placed in any context of interior design. Thanks to their sensitive technology, a simple touch is enough to activate them. Various optional glass colour choice.





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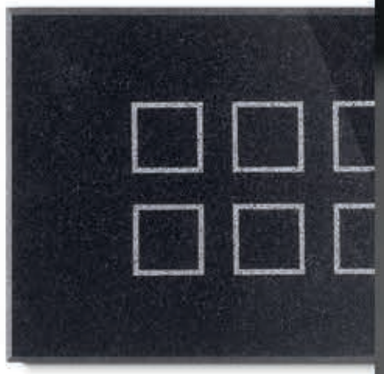
stone

ceramic



quarz

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Next is our 7-inch or 10-inch high definition touch screen. It has an essential design, it is sensitive and quick and allows the management of all home automation devices just from one terminal. It can be built-in or wall-mounted.

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NOTE

"Look deep, deep into nature, and then you will understand everything better."

Albert Einstein

art director & visual design lessismoreadv.com 05-2016

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