1 Introduction

HOME AUTOMATION SYSTEM

Residental facilities • Business facilities • Hotel facilities

DOMINA Plus

SISTEMA DOMOTICO AVANZATO

COMPASSO D'ORO

Winner of
"Qualitec design award"

Top selection innovation
"Innovation design award"

DESIGN Index

Warnings

The information contained on this catalogue may include technical inaccuracies, omissions or typing mistakes. The information may be changed or updated without notice. Ave S.p.A. may make changes and/or improvements at any time, without notice, to this introduction and to the services, products and/or programmes described on this catalogue.

DOMINA 2012
Realizzazione:

AVE spa
Area Comunicazione, Marketing e Pubblicità

DOMINA Plus
ADVANCED HOME AUTOMATION SYSTEM

ave

DOMINA Plus
Home automation system for class A

HOME AND OFFICE AUTOMATION SYSTEMS

FUNCTIONS OVERVIEW **PAG 2**

STANDARD APARTMENT AND ROOMS **PAG 14**

FUNCTIONAL BLOCK DIAGRAMS **PAG 26**

INSTALLATION NOTES FOR DOMINA PLUS **PAG 44**

ANALYTICAL TECHNICAL CATALOGUE **PAG 48**

FUNCTIONS OVERVIEW

THE NEW RANGE OF FLUSH-MOUNTED TOUCH SCREENS

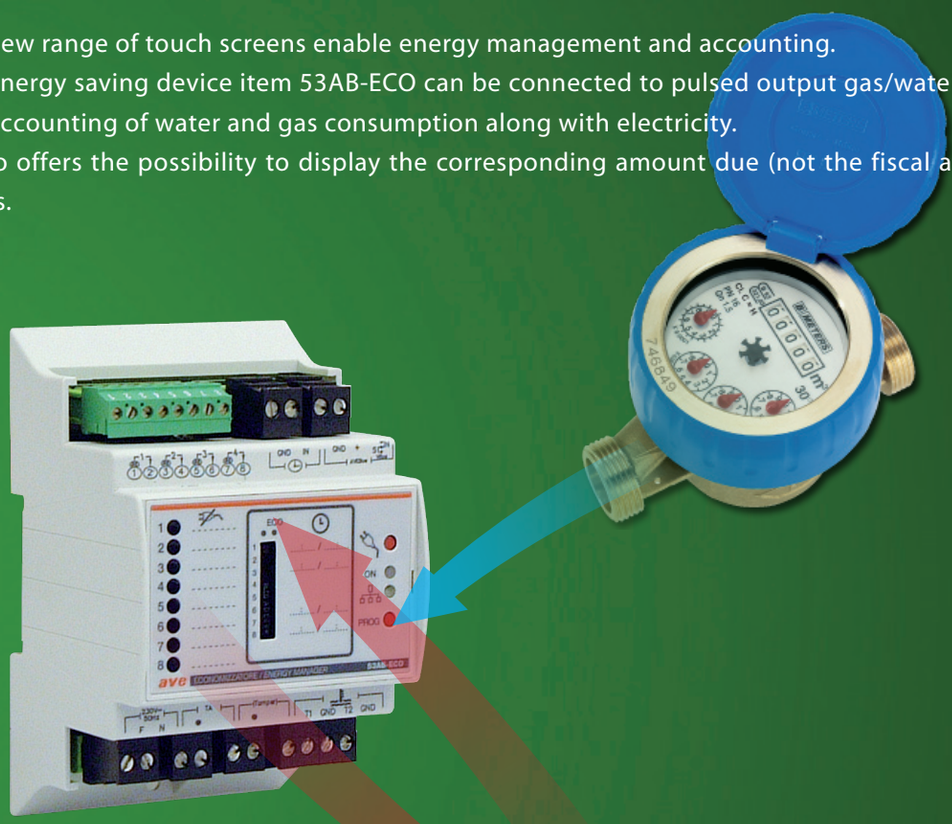
TS05
TOUCH SCREEN
15″ colour Touch screen with crystal front cover

TS04
12″ colour TOUCH SCREEN with graphic maps

TS03B
5.7″ colour TOUCH SCREEN with graphic maps

TS03N
5. 7″ colour TOUCH SCREEN with graphic maps

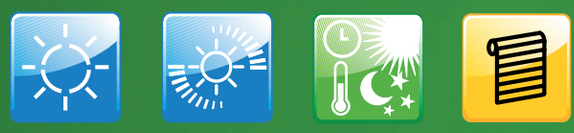
The new range of touch screens enable energy management and accounting.
The energy saving device item 53AB-ECO can be connected to pulsed output gas/water meter to allow monitoring and accounting of water and gas consumption along with electricity.
It also offers the possibility to display the corresponding amount due (not the fiscal amount) in the touch screen pages.



FUNCTIONS OVERVIEW

COMFORT AND ... ENERGY SAVING

CONTROLS
Avetouch Home Automation
A full range of symbols is available for special controls.
Every function has its own control



Lighting | Dimming | Scenarios control | Roller shutters control

Backlit traditional home automation controls
With interchangeable symbols for maximum flexibility.

Lighting | Dimming | Scenarios control | Roller shutters control

Energy saving

SMART
load management unit
Load control and disconnection (8 lines), accounting of energy, water and gas consumptions with corresponding amount due displayed on TS04, TS03N and TS03B.

THERMOREGULATION
management of multizone chronothrmostat in combination with TS03.. TS04 and TS05.

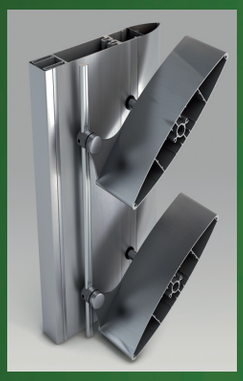
Thermoregulation

Energy saving

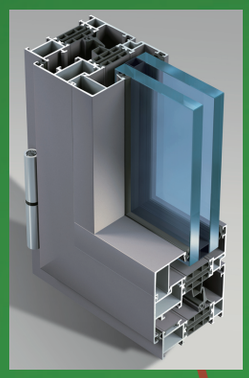
FUNCTIONS OVERVIEW

BUILDING SOLUTIONS BY METRA

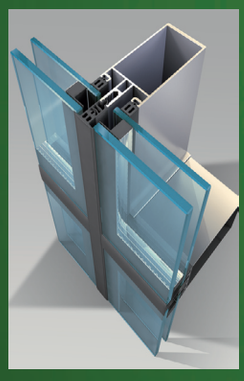
Domina Home Automation system by Ave enables doors, windows, sun blades and roller shutters control thanks to the cooperation with Metra spa, Italian leading company in the manufacturing of aluminium doors and windows. The compatibility between these systems allows to create home automation "scenarios" where doors and windows can be controlled. Just to make an example, the scenario "Quitting" allows closing all the windows and activates the security in the house.



Sun blades



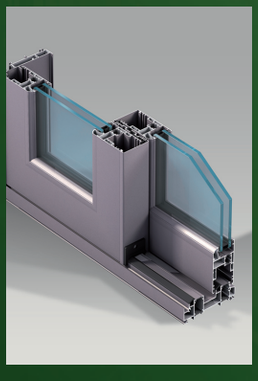
Tilt-and-turn window



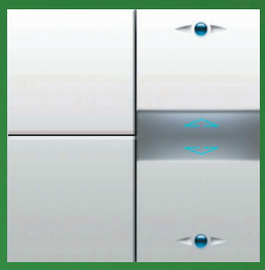
Curtain walls

METRA
Dal 1962 specialisti dell'alluminio

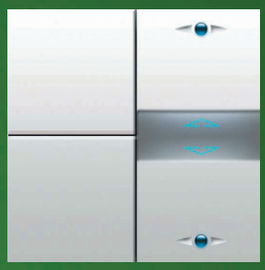
www.metra.eu
+39 030 6819.1



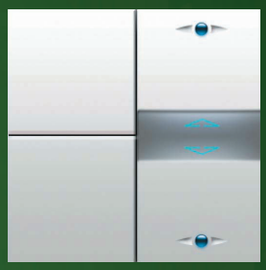
Large size sliding doors



MA1570
AveBus receiver for sun blades

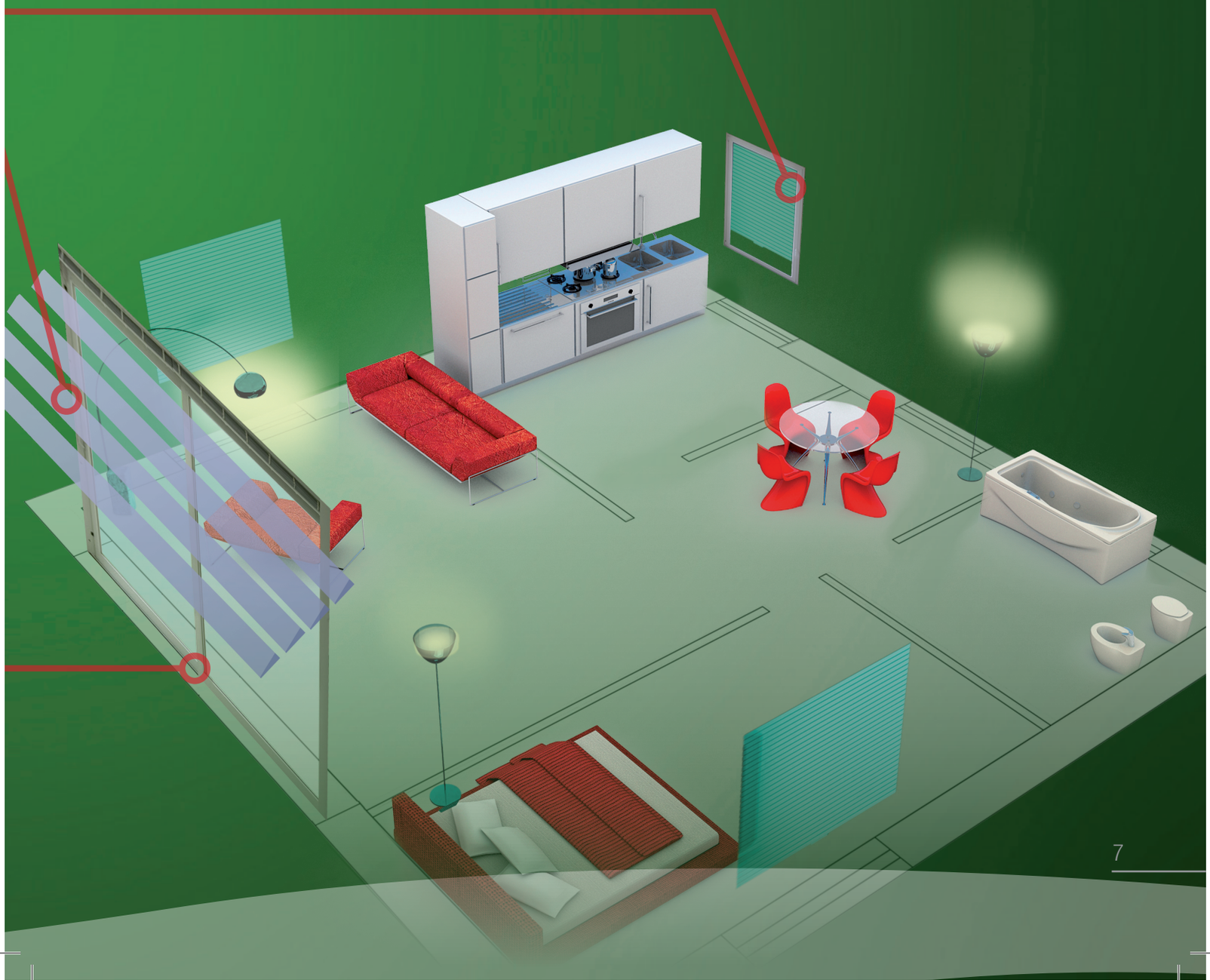


MA1571
AveBus receiver for tilt-and-turn window



MA1572
AveBus receiver for sliding doors

New home automation controls for motorised doors and windows.
For commercial information and purchase of products please contact METRA sales network.



FUNCTIONS OVERVIEW

INTEGRATED HOME AUTOMATION

The burglar alarm system by AVE can also be combined with the Life Touch and Domus Touch series by means of a transponder activator enclosed in an AVE Touch series module.
The transponder key AF339-T communicates with the AF442TC44 reader which is installed under the glass plate to control AF998EXP-ENG control unit.

The activator is also available in all AVE wiring accessories series.

AF339-T
Transponder key

AF442TC44
Reader activator

DOMINA plus
Home automation system for **class A**

ave

New ndoor video door-phone system with home automation functions and "touch" controls

VSABTC-BL

VSABTC-NAL

FUNCTIONS:

- Control of home automation scenarios
- Temperature visualization
- Door opening AveBus
- Video message recording system
- Melody selection
- Intercom calls

Outdoor station

bitronvideo

FUNCTIONS OVERVIEW

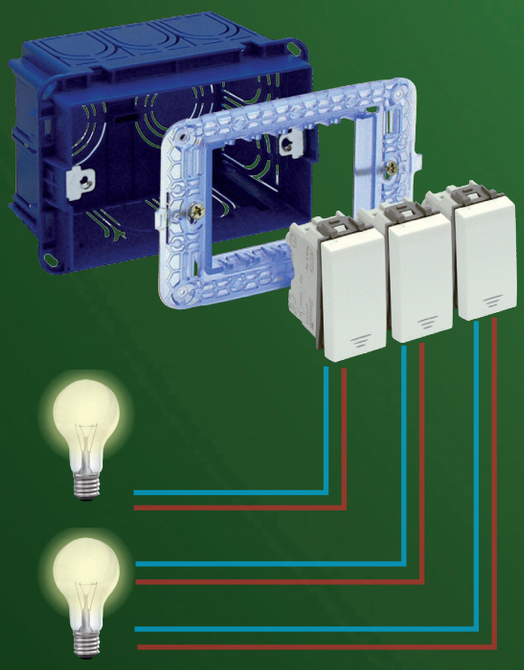
DOMINA, THE SYSTEM

BUS system usually means a group of devices connected to one single communication channel. The main function of a BUS is to physically and logically connect the devices and reduce the number of interconnections and the time required to transfer information from one device to another. Each device, known as terminal, station, node or point, can send and receive electric signals sequentially. These signals are information or messages which have been coded through a special protocol (Domina uses the AVEbus proprietary "open" protocol). The message receiver is identified by its address which is an integral part of the message. A special configuration procedure assign to each device its own address.

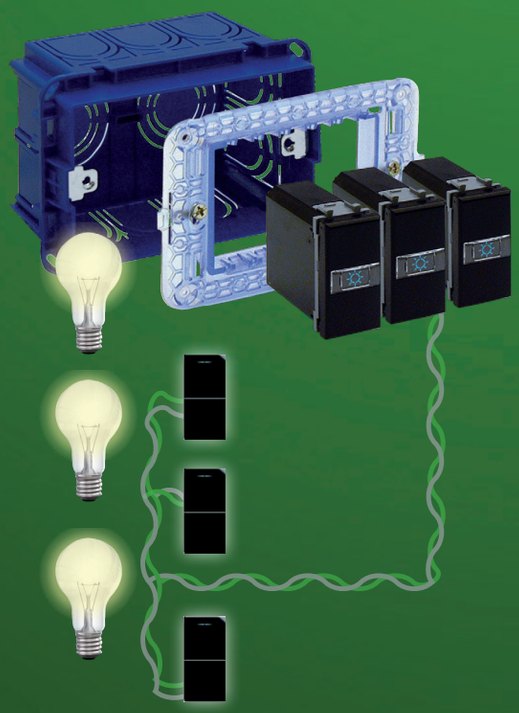
The increasing demand for automatic control and management systems in modern buildings requires, sophisticated wiring systems that may interfere with the installation of new functions as well as maintenance and updating of already existing ones, that can often be carried out only with very expensive interventions.

Installing Domina by AVE means to rely on a system that not only offers automation, comfort and communication functions which are required in a modern house, but also count on an expandable and modular system whose basic functions may be expanded according to the needs of ever demanding customers. This system is of the "distributed intelligence" type meaning that each component has one or more functions and can communicate with the other components through one single cable (bus line). Using Domina home automation system also means to facilitate installation, improve maintenance and expand the existing systems in a very easy way.

TRADITIONAL CONFIGURATION



HOME AUTOMATION CONFIGURATION



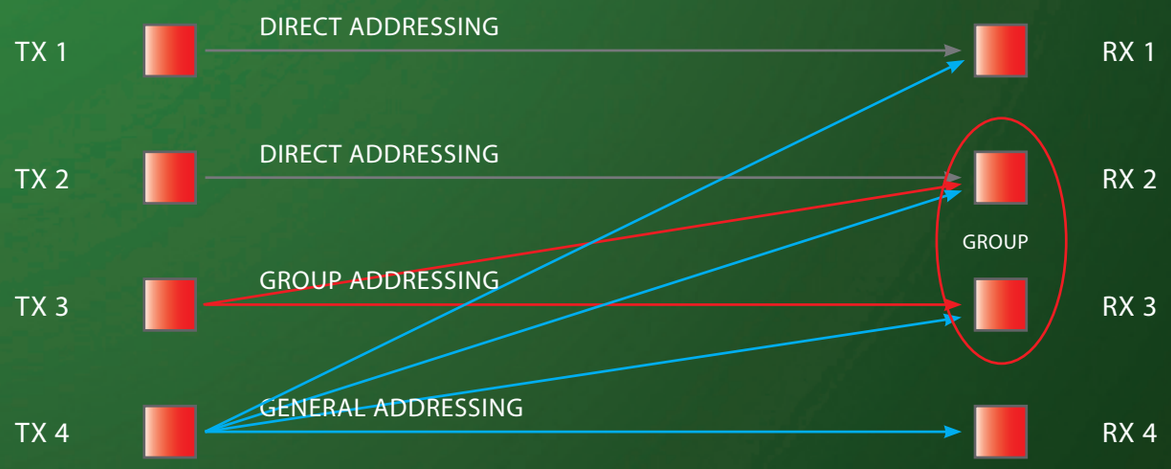
Each Domina bus device has one or more channels; each one is totally independent and can be identified through an address which is assigned during programming. Each channel of each single AVEbus device can be freely addressedindependently from the others.
One channel of a control device (Tx) and one actuator device (Rx) having the same address are "logically connected" one of an another. The actuator device receives the message sent by the control device and activates the load which is physically connected to it.
The address of each channel of the Domina bus devices is made of two alphanumeric characters (according to a hexadecimal system from 0 to F).
The control device can be programmed to control one single address associated with an actuator device, one group of addresses associated with several actuator devices or all addresses of the actuator devices. This mechanism is programmed and managed according to the address assigned to the control device, where the first alphanumeric character of the address represents the group or "family" of addresses of the actuator devices and the second alphanumeric character represents the single actuator device which belongs to that group of addresses. Because of the hexadecimal system, there are 16 groups of addresses (families) each composed of 16 independent addresses (called "points").

The channels of the AVEBus devices can be basically addressed in three ways:

• Direct mode (Point – Point): a single channel of a control device (Tx) controls only the channels having the same address of one or more actuator devices (Rx).

• By group (multicast): a single channel of a control device (Tx) controls all the channels of the actuator devices whose first digit of the address is the same as the second digit of the address of the control device (Tx).
The address of the control device must always begin with the special value "F" followed by the group of addresses to be controlled. There are 16 groups with a maximum of 16 addresses each.

• General (broadcast): a single channel of a control device (Tx) controls all the channels of the actuator devices contained in the system. The address of the control device must be set to "FF".



Programming is made by connecting the PRAB01 programmer or the BSA-USB interface to the device to give each component of the system an address and operational mode in a very simple and intuitive way.

FUNCTIONS OVERVIEW

THE FULL CONTROL OF YOUR HOME!

Domina is the best system to control your home because it is intuitive and easy to install and programme, easy to use, it can be expanded and modified at any moment with just few operations. Domina offers you all home automation, comfort and safety functions to improve the quality of your life. Domina: home automation for our life.

CONTROLS AND ACTUATORS

- On/Off control for lighting
- Light dimming
- Motorised roller shutters and curtains control

THERMOREGULATION

- Possibility to control the heating/cooling system in 15 zones with different temperature ranges from the touch screen.

ENERGY SAVING

- Monitoring of electric, gas and water consumptions
- Displaying of consumptions on touch screen (customizable)

ANTI-INTRUSION BURGLAR ALARM SYSTEM

An expandable and programmable which can be controlled remotely. Perfectly integrated into the system, it can be monitored from the touch screen.

WEB SERVER

Possibility of remote control of all the functions installed with direct connection to home automation system via web.

IP CAM - DVR

- Local displaying by means of independent IP cameras
- Displaying of IP cameras connected to one of Axis DVR systems

SOUND DIFFUSION

- Integration with TUTONDO system
- Sound control and adjustment from touch screen or local control

TECHNICAL ALARMS

- Gas leak detectors
- Water leak detectors
- Presence detectors
- Fire alarm repetition

SCENARIOS AND SYSTEM MONITORING

- Possibility to programme multiple commands (scenarios).
- Overall system monitoring from touch screen and PC by a special software.
- Presence simulation.

WATERING CONTROL

- By means of contact interfaces and time programmer of the touch screen it is possible to control watering.

LOAD CONTROL

According to consumptions and programmed priorities, electric loads are controlled to avoid triggering of the main switch for overloading.

EXTERNAL COMMUNICATION

Possibility of remote control of all the functions installed by a telephone dialer.

CONTROL DEVICES

FUNCTIONS AND ACTUATORS	TS04 / TS03..	TS02-ENG	VSABTC-NAL	442ABTC1	44..ABT1	44..ABT2	ABINO2	44..ABIN	44..AB68	44..ABTM03	44..ABTA	53AB-ECO
ABR01 44..ABR1 44..ABR1-M 44..ABR1CL 44..ABR2 53ABR4	○	○		○	○	○	○	○	○		○	
44..ABDI + 53DIM010	○	○		○	○	○	○	○	○			
44..ABRT01	○	○		○	○	○	○	○				
METRA	○			○	○	○	○	○				
ABRTM 44..ABRTM01 53ABRTM	○	○								○		
ABR01 44..ABR1 44..ABR1-M 44..ABR2 53ABR4	○	○									○	
AF998EXP-ENG	○	○										
ABTTINT01	○	○										
ABR01 44..ABR1 44..ABR2 53ABR4	○			○	○	○	○	○				○
videocameras supplied by third parties	○											
TS04 TS03-N TS03-B	○											
DOMINA	○											
ABR01 44..ABR1 44..ABR2 53ABR4 44..ABRTM01 ABRTM	○								○	○	○	○
SCENARIOS	○	○	○	○	○	○	○	○	○			

STANDARD APARTMENT AND ROOMS

DOMINA, STANDARD APARTMENT

This section of the catalogue helps choosing the home automation functions that can be used in an electric system. The following pages show which home automation functions are available for each single room of the apartment.
Home automation functions are generally selected after studying each single room on a layout or after an inspectionon site. The following pages describe which functions are available for each room in the apartment.
When examining this standard apartment, one has to consider that the different domotic functions and scenarios described for each single room include those which are most often used. Each professional can develop new domotic applications by logically associating several devices and creating each time a tailored home automation system to meet the customer needs.
The user may also create customized functions called "scenarios" (lists of actions which can be automatically recalled from different points), to enable a better control and management of a home.

DOMINA, EXTERNAL PERIMETER

The home automation system allows to control all the openings of the apartment (roller shutters, sun curtains, doors and motorised windows, skylights, etc.), in particular it is possible to:
- Local manual opening and closing through the corresponding actuators with local control.
- Control of general (or only one group) opening / closing by a central location.
- Automatic opening and closing at a certain time of the day.
- Automatic opening/closing control depending on sunlight conditions or bad weather.
- Closing when activating the anti-burglar alarm system thus preventing to leave any possible access unguarded.
- Opening and closing control by means of scenarios (night scenario, go-out scenario, etc.) for better comfort.

1. KITCHEN
2. LIVING-ROOM
3. BATHROOM
4. BEDROOM
5. OUTSIDE AREAS

STANDARD APARTMENT AND ROOMS

DOMINA, KITCHEN

In the room used as a kitchen, DOMINA enables the safe control of technical alarms for water and gas leaks. With the home automation system the room is safe and protected against the effects of an inadequate management of water or gas leaks.

WATER LEAKS

- Close the main water supply valve to stop leakage;
- Cut electricity off to avoid short circuits;
- Locally warn the user that a technical alarm is under way;
- Remotely warn the user that a technical alarm is under way;

FIRE ALARM REPETITION

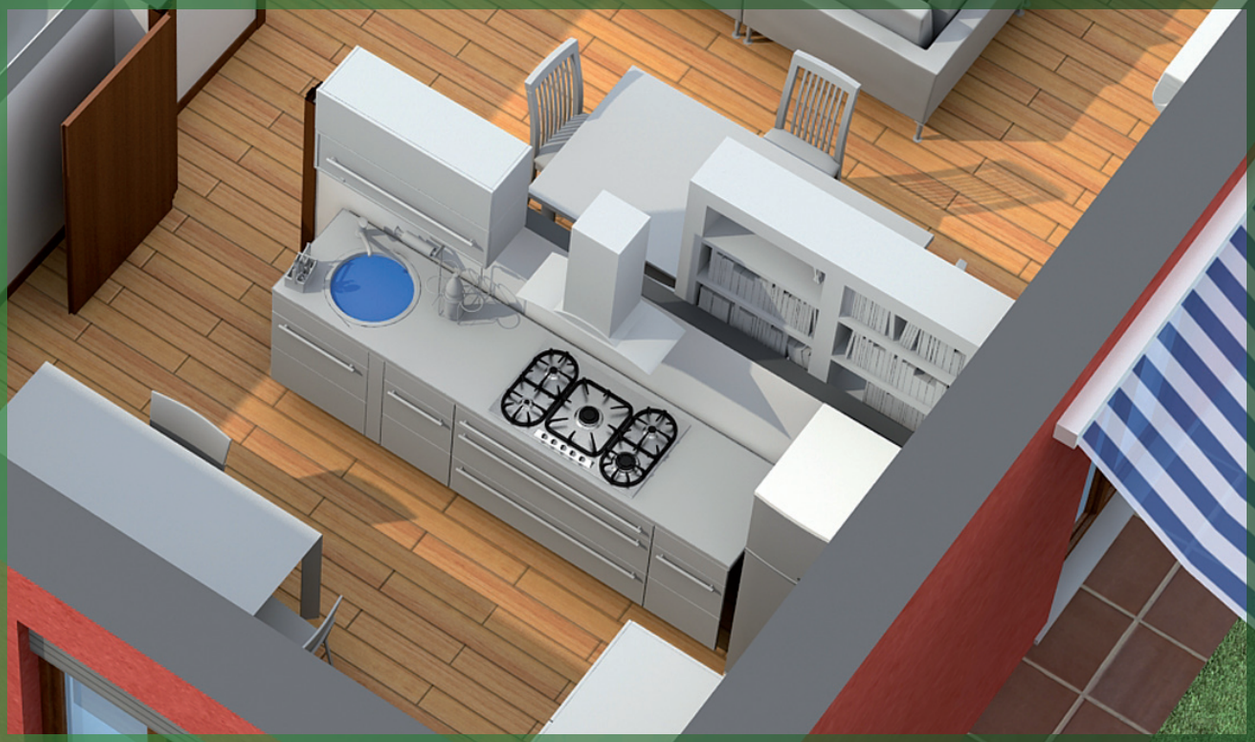
- Using item code AC9C1-IS (addressed output module), the fire alarm repetition can be interfaced through the 44..ABTA alarm interface

GAS LEAKS

- Close the main gas supply valve to stop leakage;
- Cut electricity off to avoid short circuits and fire;
- Automatically open windows and skylights to ventilate the room;
- Locally warn the user that a technical alarm is under way;
- Remotely warn the user that a technical alarm is under way;

LOAD CONTROL MANAGEMENT

- Electric energy companies have introduced a new system to manage energy costs which is based on time periods. Home automation enables a rational management of energy through the use of household appliances in the most suitable time periods and prevents the main switch from disconnecting because of overloading;



OUR SOLUTIONS
FUNCTIONS

- Technical alarm "water leaks"
- Technical alarm "gas leaks"
- Management of energy control and load disconnection
- Light control
- Light dimming
- Motorised roller shutters/windows control
- Temperature control
- Sound diffusion
- "Dinner" scenario (sets comfort temperature in the kitchen and energy saving mode in the other rooms, lighting at 100% and safety mode in the other zones of the apartment, etc.)
- Anti-burglar system
- Web-cam

STANDARD APARTMENT AND ROOMS

DOMINA, LIVING-ROOM

The home automation system increases comfort in the living-room. This room is usually used for several activities and DOMINA enables to manage the room in different ways, such as for a party, a dinner with friends or to watch a film or read a book.
The home automation system allows to save a particular combination of commands or configurations and use a scenario to recall the setting selected for that special occasion.

DIMMABLE LIGHTS

- Manual light dimming
- Automatic light dimming by the "relax" scenario
- Activation of accessory lights (such as glass cupboards, shelves with ornaments) in particular time periods or via the "party with friends" scenario.

THERMOREGULATION

- Management of independent temperature control of each single zone with energy saving depending on how the room is used.

ENERGY SAVING

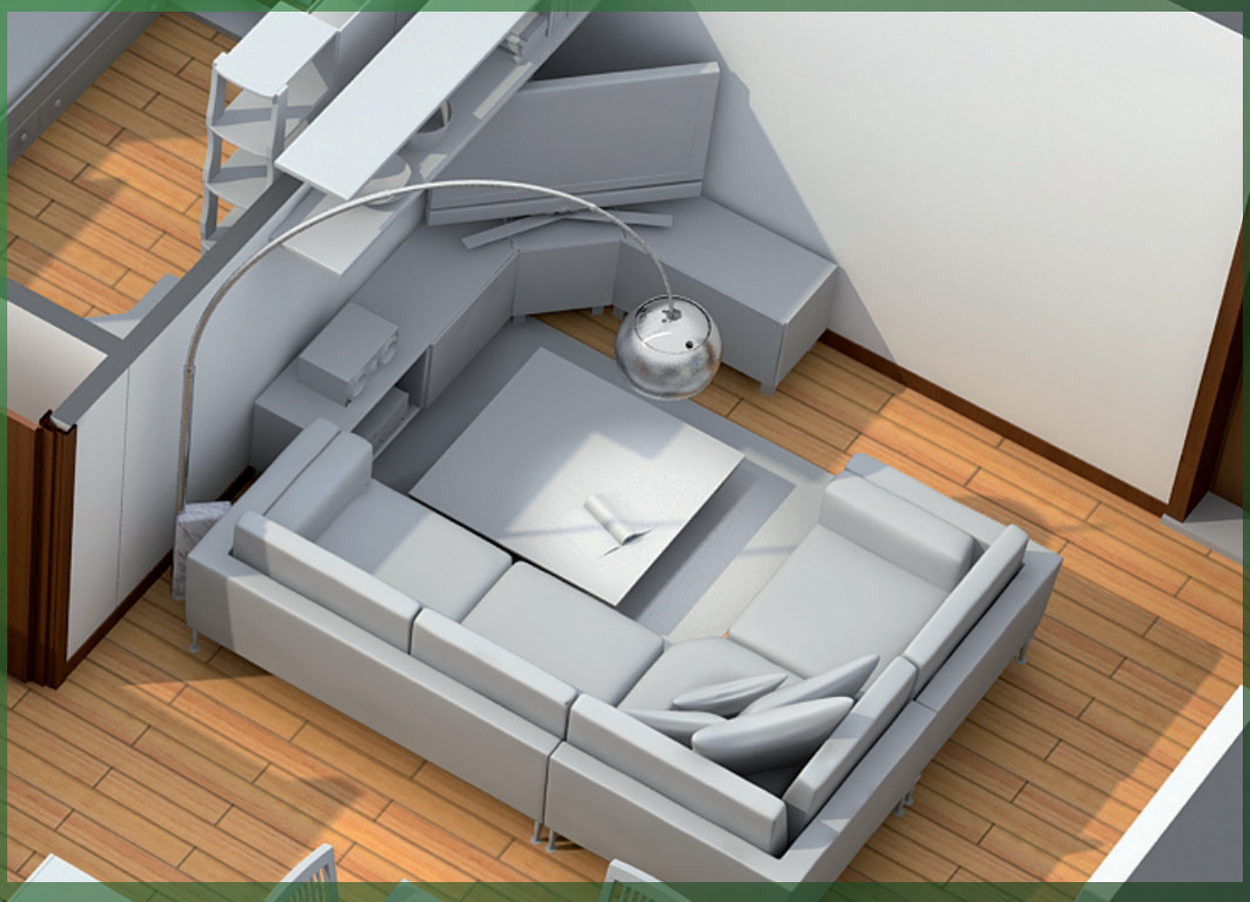
- Monitoring of consumptions

MONITORING THE SYSTEM VIA TOUCH SCREEN

- Home automation means above all comfort and thanks to the centralized monitoring by Touch screen devices, this is a real advantage for everyday life. These devices enable to control the whole house and manage all automated equipment and functions of each single room, from switching on the lights to video-control via web.
- The Touch Screen devices enable to visually check the inside and outside of your home remotely to make sure no one has entered your home or no damages caused by weather have occurred.

OUR SOLUTIONS
FUNCTIONS

- Management of energy control and load disconnection
- Activation of lights
- Activation of dimmable lights
- Motorised roller shutters/ windows control
- Thermoregulation
- Sound diffusion
- System monitoring via touch screen for control of energy consumptions
- Web video-control
- Anti-intrusion alarm
- "Film watch", "party with friends", etc. scenario
- Radio controls for automation
- Home automation video door entry system



STANDARD APARTMENT AND ROOMS

DOMINA, BATHROOM

In the bathroom, not only the comfort but also the security level can be increased thanks to home automation. By means of scenarios and technical alarms, the room can be always under control.

WATER LEAKS

- Close the main water supply valve to stop the leak;
- Cut the electricity off to avoid short circuits that may damage people;
- Locally warn the user that a technical alarm is under way;
- Remotely warn the user that a technical alarm is under way;

INTELLIGENT TIMER

- Air circulation must be ensured in the bathroom and this can be done by the home automation system that enables the automatic control of air circulation and prevents any waste of energy.

RELAX SCENARIOS

- Possibility to customize control of multiple commands in order to create a relaxing ambience by controlling temperature, lighting and sound diffusion.

ANTI-INTRUSION ALARM

- Protection of the window: if the window is left open, Domina warns the user to avoid unexpected events when nobody is at home.
- Scenarios with simulation of presence (possibility to create a sequence of preset commands over the day to simulate the presence of the user and discourage ill-intentioned persons).

OUR SOLUTIONS
FUNCTIONS

- Management of energy control and load disconnection
- Activation of lights
- Activation of dimmable lights
- Motorised roller shutters/ windows control
- Temperature control
- Sound diffusion
- Anti-intrusion alarm
- "Relax" scenario

STANDARD APARTMENT AND ROOMS

DOMINA, BEDROOM

IP CAM - DVR

• Displaying of IP video-cameras directly from touch screen (TS05, TS04 and TS03..).

DIMMABLE LIGHTS

• Manual light dimming
• Automatic light dimming by the "relax" scenario
• Soft activation of lights at wake up time in the morning via the wake-up scenario

THERMOREGULATION

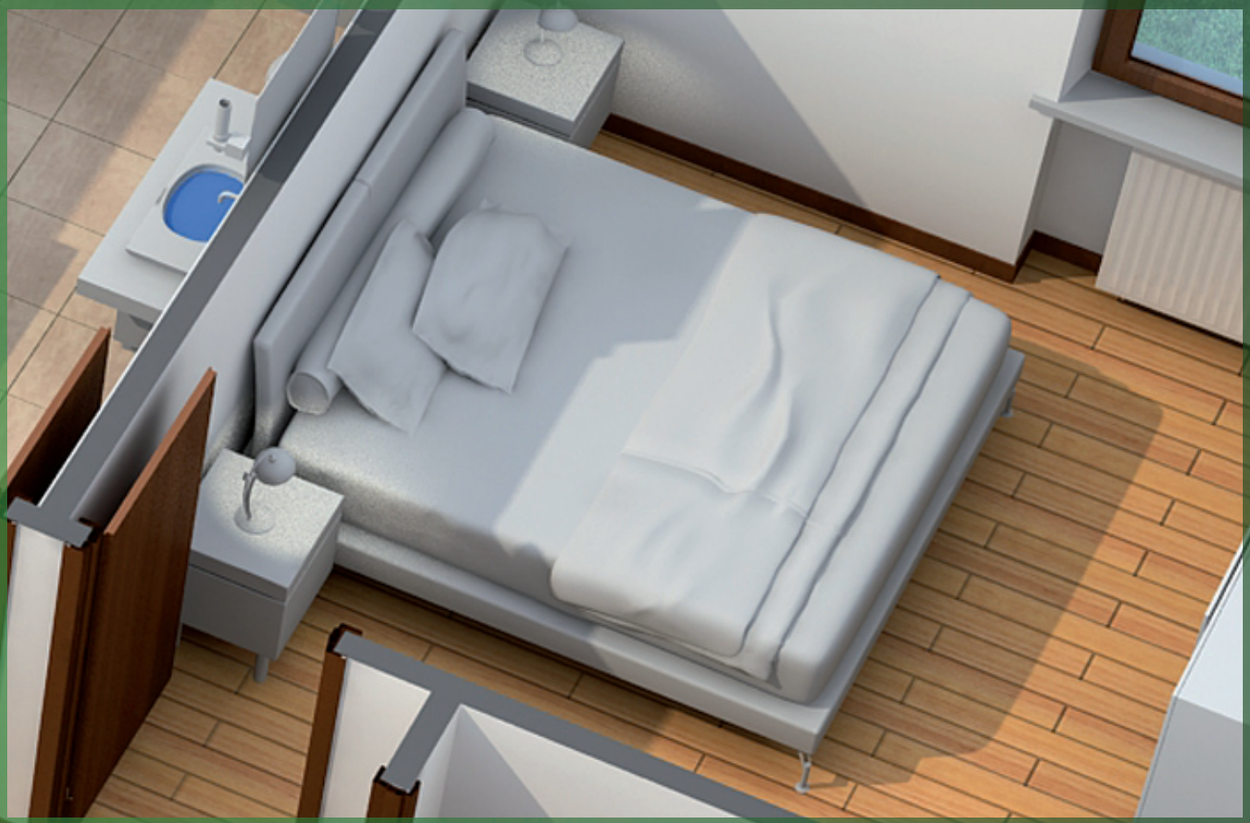
• Management of independent thermoregulation of each single zone with energy saving depending on how the room is used.

ANTI-INTRUSION ALARM

• Protection of the window: if the window is left open, Domina warns the user to avoid unexpected events when nobody is at home.
• Scenarios with simulation of presence (possibility to create a sequence of preset commands over the day to simulate the presence of the user and discourage ill-intentioned persons).

SOUND DIFFUSION

• With the home automation system, it is possible to choose from your bedroom which sound source you want to listen to and adjust the sound in order to create the desired ambience without moving to the place where the stereo system is installed. This is also possible by means of customized scenarios.



OUR SOLUTIONS
FUNCTIONS

- Light control
- Dimmable light control
- Motorised roller shutters/ windows control
- Temperature control
- Sound diffusion
- Anti-intrusion alarm
- "Wake-up" and "night" scenario
- Radio controls for automation

STANDARD APARTMENT AND ROOMS

DOMINA, EXTERNAL AREAS

Home automation means not only comfort but also safety and automation to improve the way you live in your home. DOMINA enables you to implement different measures to protect your home in the case of an attempted theft. DOMINA also enables to control the external areas automatically according to the weather conditions, watering the garden during special time periods and only if certain conditions occur.

LIGHTING

• Manual activation of lights

• Automatic activation of lights by time periods or twilight sensor or movement sensor

IP CAM - DVR

• Displaying of IP video-cameras directly from touch screen (TS05, TS04 and TS03..).

ANTI- INTRUSION ALARM

• Protection of the window: if the window is left open, Domina warns the user to avoid unexpected events when nobody is at home.

• Scenarios with simulation of presence (possibility to create a sequence of preset commands over the day to simulate your presence and discourage ill-intentioned persons).

WATERING

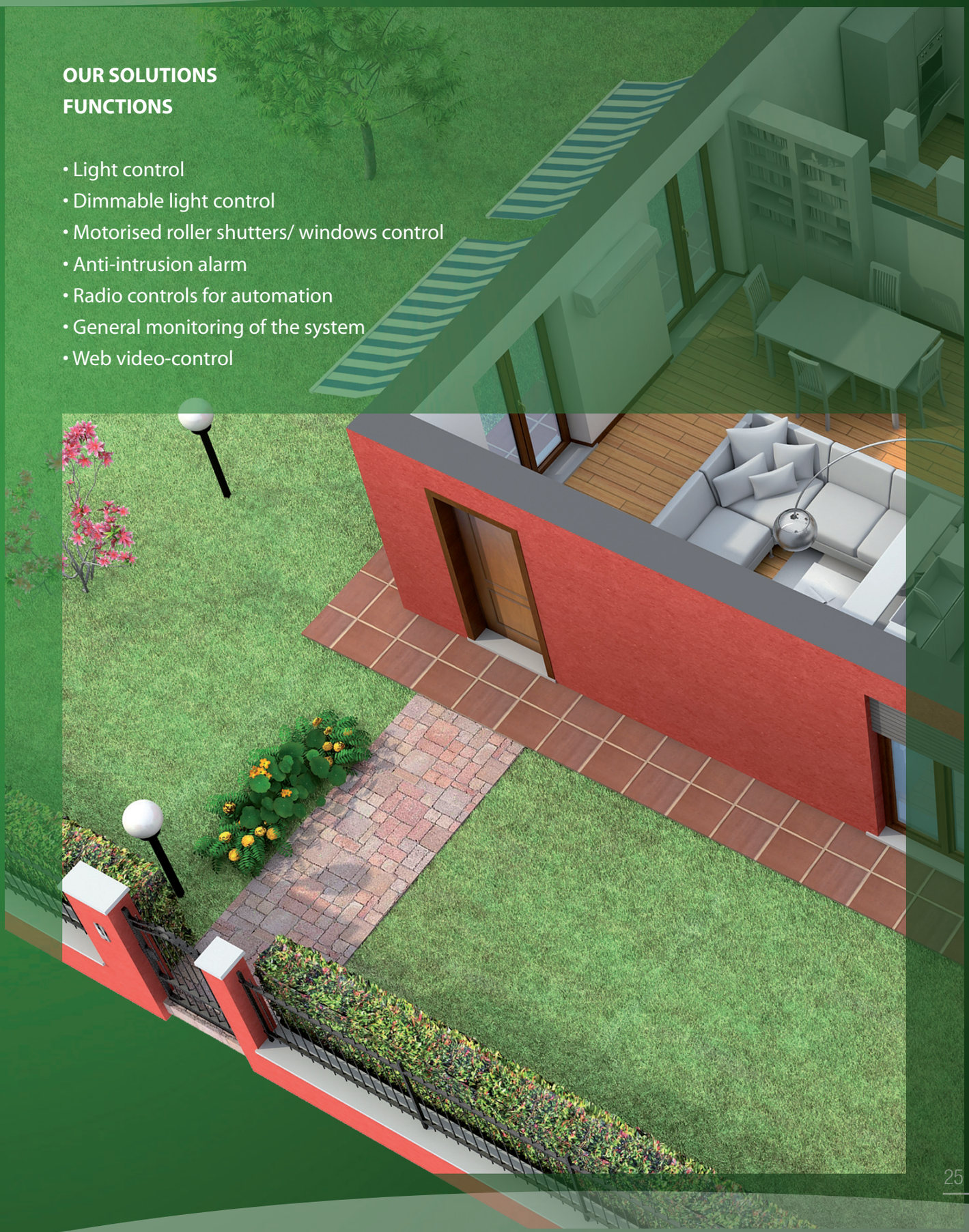
• Manually activate/disconnect each single watering zone directly from touch screen

• Watering the garden using customized programmes and only when required.

• Disconnect the watering system in the case of bad weather to prevent waste of water.

OUR SOLUTIONS
FUNCTIONS

- Light control
- Dimmable light control
- Motorised roller shutters/ windows control
- Anti-intrusion alarm
- Radio controls for automation
- General monitoring of the system
- Web video-control



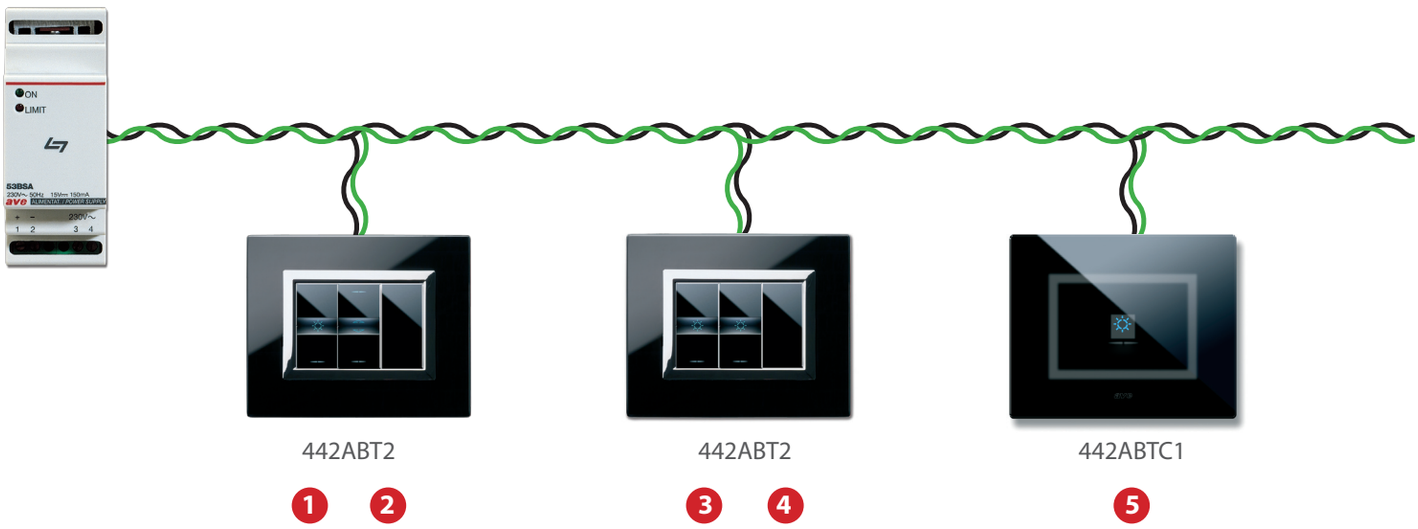
FUNCTIONAL BLOCK DIAGRAMS

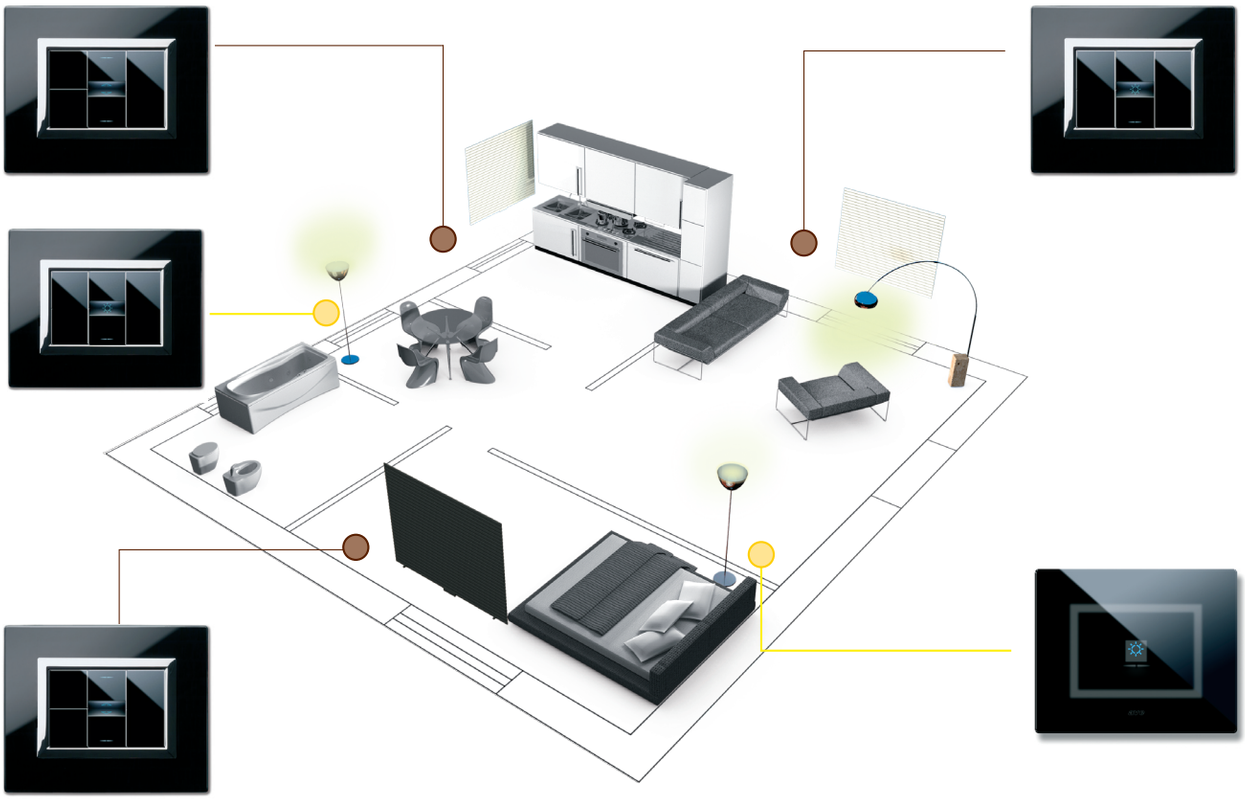
Controls and actuators

Switch on the lights, adjust light brightness, open all roller shutters at the same time or close only one, all these actions can be made with just one simple control from one or more locations in the house. By installing suitable controls and actuators it will be possible to control lights and shutters in the whole house all at the same time or separately.

The picture shows an example where thanks to controls and actuators connected to the bus line it is possible to control two lamps in on/off mode, one dimmable lamp and three motorised roller shutters. Centralised controls are also provided for lamps and motorised roller shutters.

INSTALLATION EXAMPLE





1 Centralised light control 6 7

2 Centralised roller shutters control 9 10 11

3 Lamp control 6

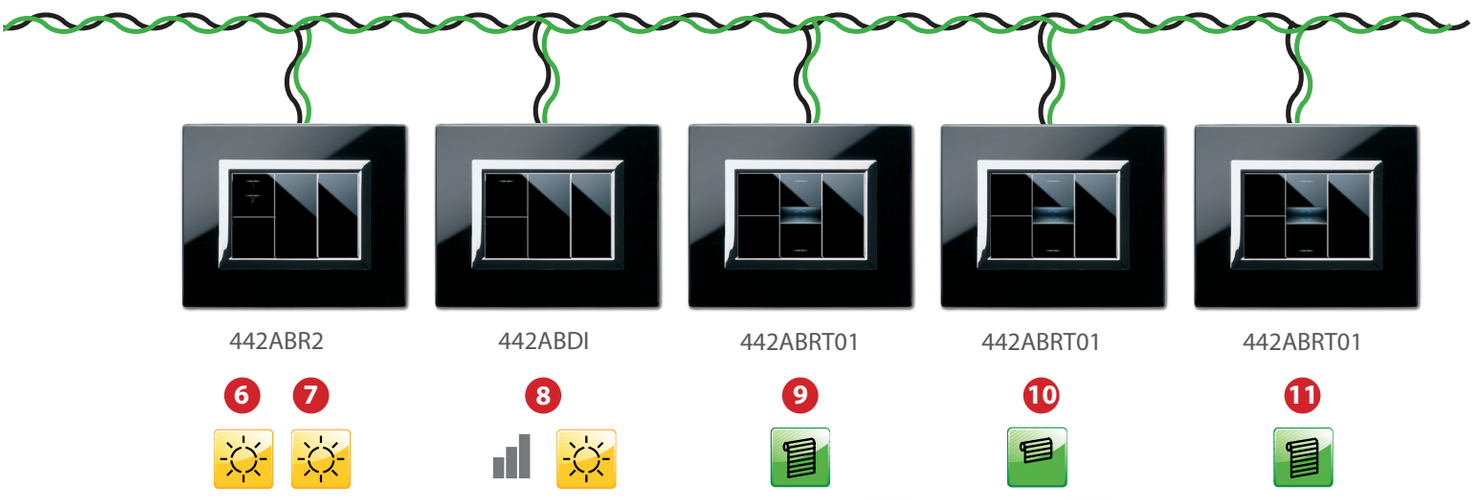
4 Lamp control 7

5 Lamp dimmable control 8

8 Dimmer actuator (use with standard adjuster 1-10V)

9 10 11 Local controls for individual roller shutter

AVEbus



FUNCTIONAL BLOCK DIAGRAMS

Temperature control

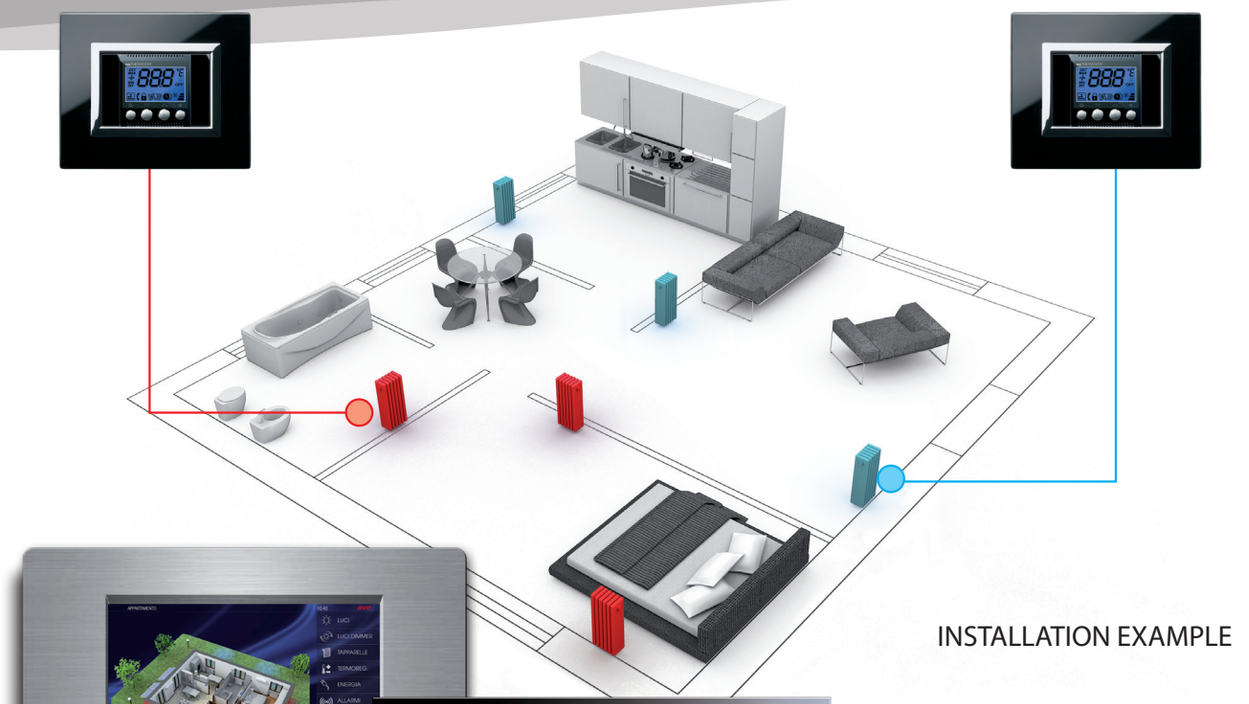
Real comfort means ideal temperature in the different rooms of your home and in different situations.
With Domina you can control 15 thermal zones, each with its own weekly temperature programme for winter and summer. The touch screen works like a temperature control unit which communicates with the zone thermostats and actuator and valveactuators.
If the thermostat is not connected to the touch screen, as in simple systems without time period control, the user can adjust temperature from 5°C to 30°C directly on the thermostat.

The temperature control system includes:
• the touch screen which, by means of a special programme, acts as a temperature control unit
• the zone thermostats which detect room temperature at their installation site;
• the actuators that control the zone valves.
All the devices are connected by means of a bus line as shown in the picture at the side.

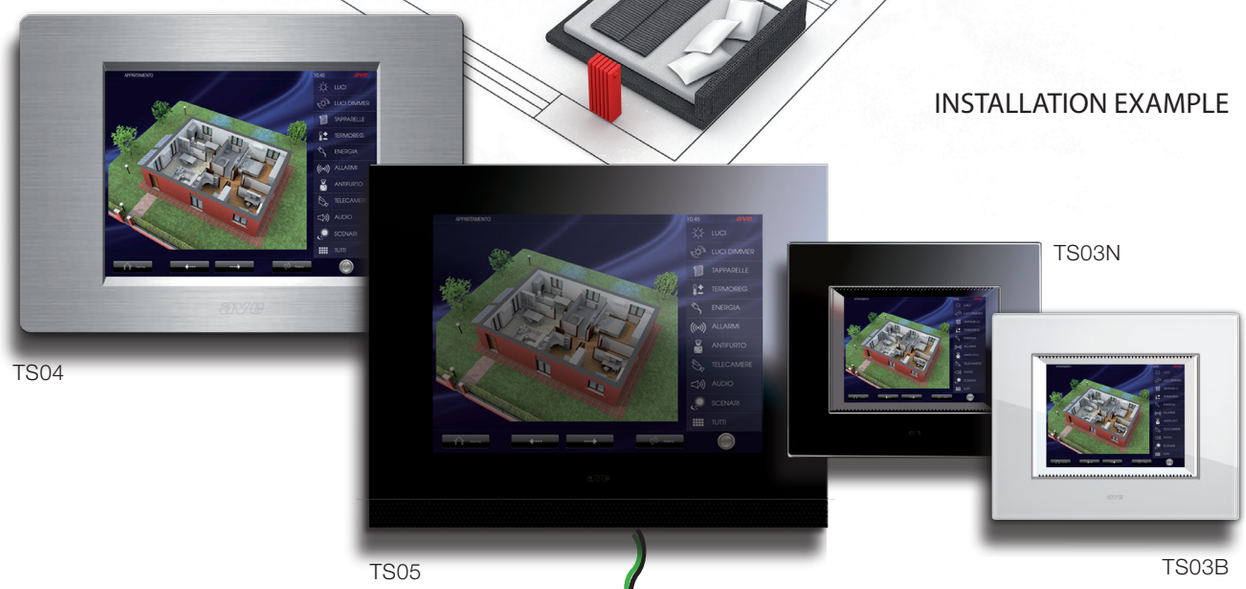
The temperature control programmes set on the touch screen enable the user a centralised management of 15 thermal zones, while the zone thermostat allows to adjust the temperature locally by means of the push-buttons installed on its front panel (offset adjustment +/- 5°C compared to the value set on the touch screen).

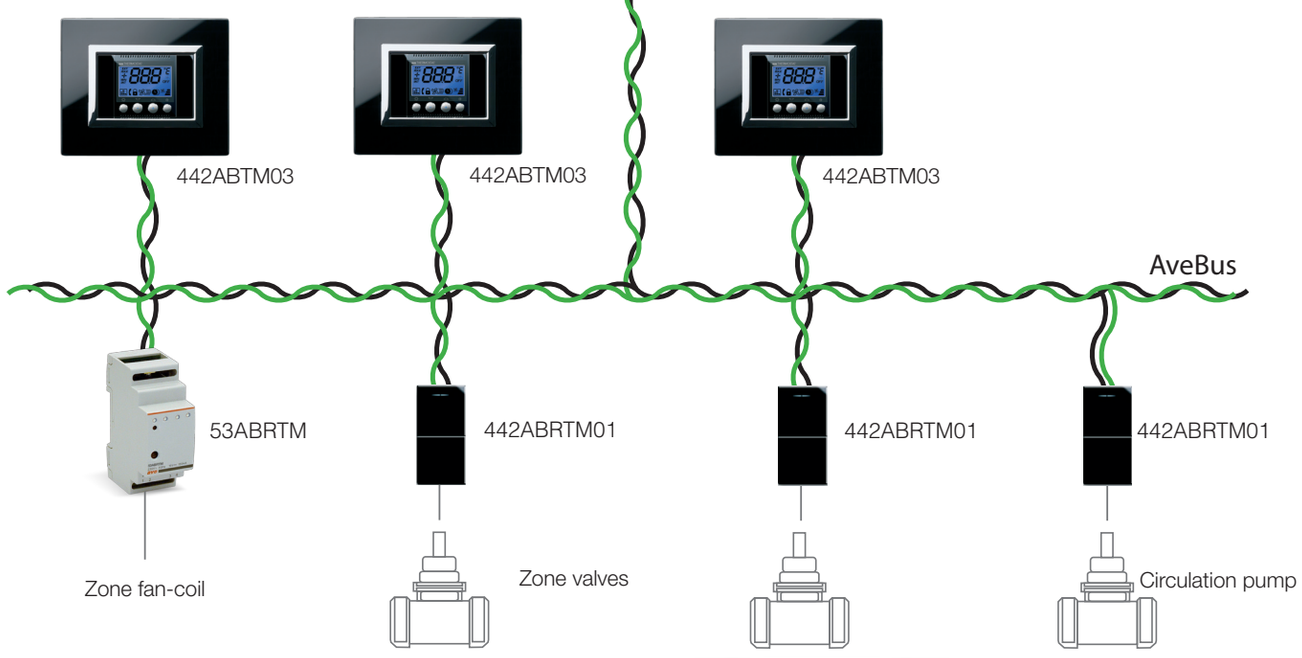
The communication of the different parts of the system is carried out as follows: the temperature value detected is sent by the thermostat to the touch screen device together with the value of the local adjustment set by the user (offset). These two values together with the preset temperature (set-point) are displayed on the touch screen which sends the actuator the commands required to control the thermoregulation system (pump valve).

The thermostat can also be set as a master or slave. This characteristic enables to install more than one thermostat in a large room: one master that communicates with the other thermostats set as slave and sends the detected average values to the temperature control unit. Thanks to this system, the adjustment values can be much more accurate.



INSTALLATION EXAMPLE





FUNCTIONAL BLOCK DIAGRAM

Technical alarms

Don't worry: Domina monitors, prevents and stops all the events that may damage your home by indicating the place of occurrence on the touch screen and the PC or warning you by SMS or voice message on your mobile phone.
A special detector checks the room for gas leaks and stops gas delivery immediately if the gas concentration exceeds the set limits. Similarly, the water leak detector, which consists in a probe installed at the floor's level, detects any water leak: when water has reached the probe the detector sends an optical and acoustic signal to warn that an alarm is occurring while the valve shuts off water supply.

The range of detectors for technical alarms includes the main devices which the electric system of a modern house requires today:

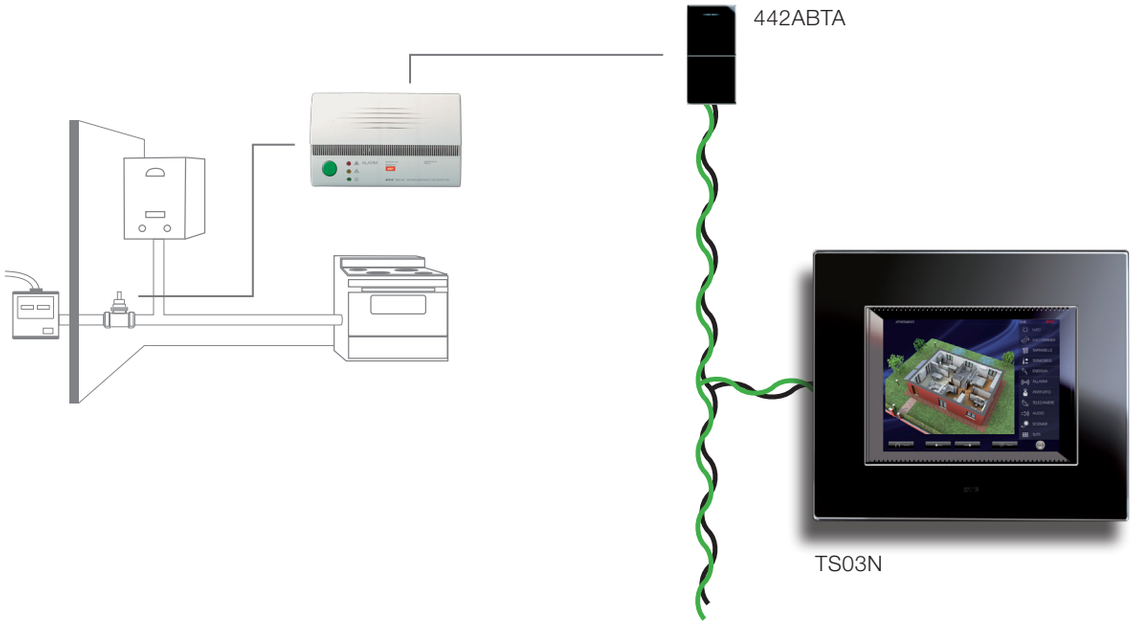
- Gas leak detectors
- Water leak detectors

The gas leak detector detects the presence of gas in the room where it is installed.
If the gas level exceeds the set limit (factory setting) the detector sends and optical and acoustic signal to warn that an alarm is occurring. A special relay installed on the system enables to stop the gas supply by closing the corresponding valve when the detector is under alarm. The detector must be installed at about 30 cm from the ceiling (for methane) or 30 cm from the floor (for LPG) and the valve downstream the gas meter.
By means of a transmitter, the alarm signal from the detector can be sent to the control/monitoring devices (touch screen) which transfer it on the graphic maps to show its position.

The water leak detector, which consists in a probe installed at the floor's level, detects a water flow caused by a leak. If water reaches the probe, the detector sends and optical and acoustic signal to warn that an alarm is occurring; by means of a special output relay it can also shut off the valve to stop water supply.
Here too, the alarm signal from the detector can be sent, by means of the transmitter of alarm signals, to the control/monitoring devices (touch screen) which transfer it on the graphic maps to show its position and allow a global and real-time view of the alarms.

TS04

INSTALLATION EXAMPLE



TS03N

FUNCTIONAL BLOCK DIAGRAMS

Scenarios and monitoring of the system

How nice it would be if our home could wake up with us and we could be released from all those repetitive operations such as open the blinds to let the sun in, turn on heating, disconnect the burglar alarm, etc.. Domina can do all these things by means of the scenarios, a range of multiple commands that manage different set functions at the same time.
When you leave home, for example, you just have to activate the dedicated scenario and Domina will lower the roller shutters, switch off the lights and activate the anti-burglar alarm system in the whole house.

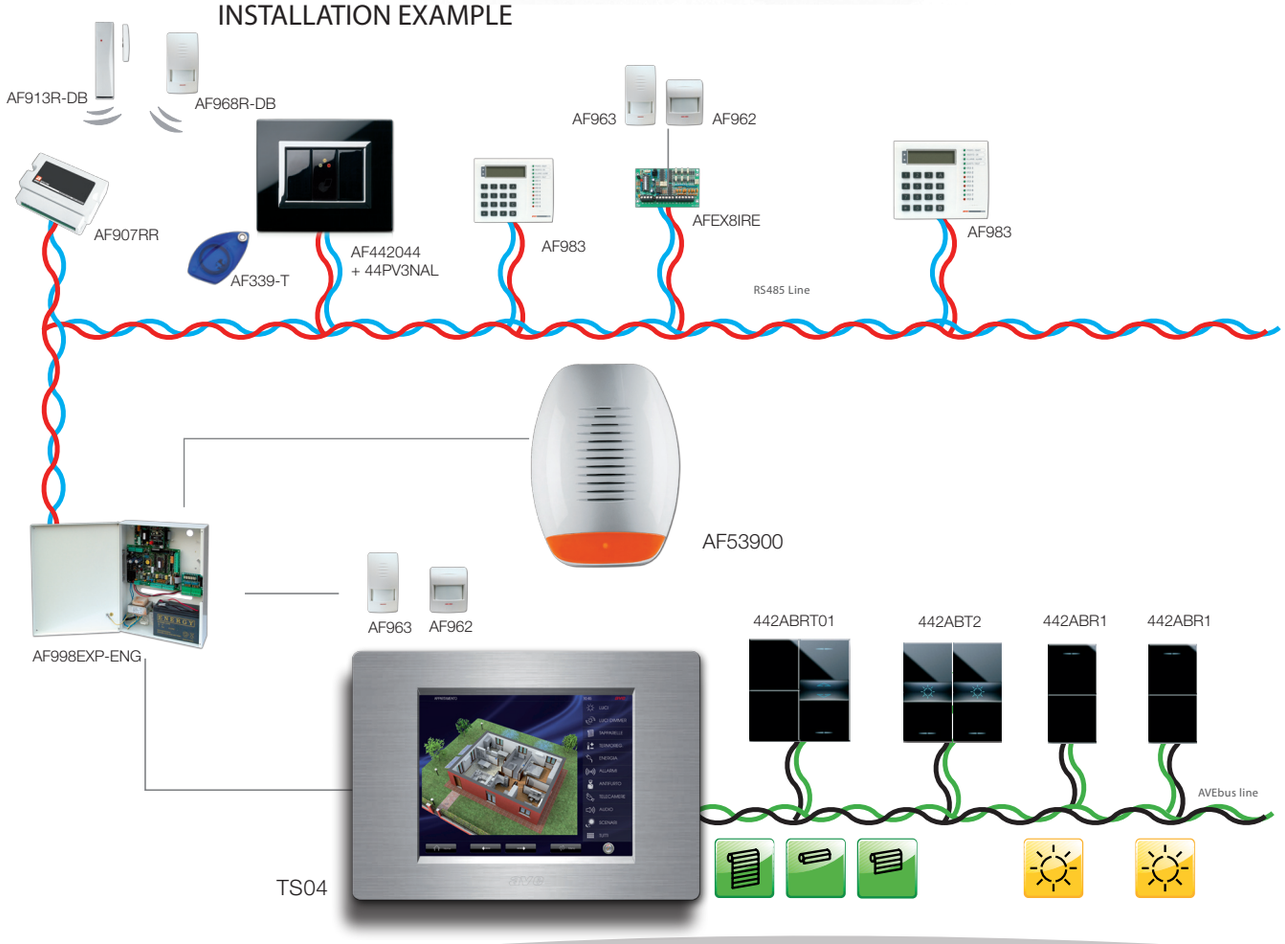
TS03N

The touch screen unit, which is the real heart of the Domina system, allows not only the previously mentioned functions for alarms and temperature control, but also to manage all the system control and actuation devices installed in the system itself. From the initial page of the Touch screen device, showing the general map of the rooms, the user can select a room where multiple icons indicate all the services installed. Icons are real virtual controls which send a command to the actuator when touched.
A virtual control system can thus be created, which is always in line with the system on site.
In this case, it is also possible to load not only the plan of the apartment but also the photographs of the rooms where the icons that represent the various commands (lights, motorised roller shutters, etc.) can later be positioned.
The commands are sent by touching on the icons and the alarms are displayed on the Touch Screen monitor by means of optical and acoustic signals.

Both from traditional command or touch screens scenarios can be easily managed multi-function control (for example: command “Going out” to switch off the lights, adjust temperature, activate the anti-burglar alarm system, close the roller shutters).

Thanks to these devices, installation is extremely simple and quick also in very complex systems where several applications are required.

INSTALLATION EXAMPLE



FUNCTIONAL BLOCK DIAGRAMS

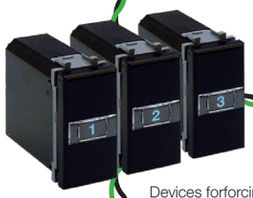
Safety, comfort and energy saving in your home thanks to the home automation system

ENERGY SAVER load control (with and without domotic devices)

Smart consumer unit for load disconnection control (8 power lines), accounting of electric energy, water and gas consumptions with esteemed billing information.

DOMINA PLUS
Home automation system for **class A**

Touch screen for accounting of consumptions

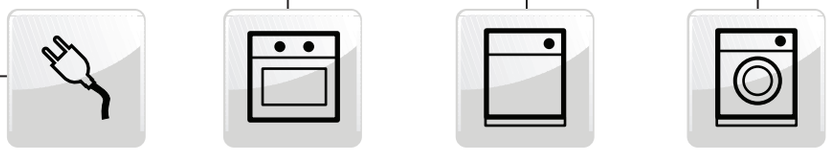


Devices forforcing load status

Control unit for load control

Water/gas meter (pulse counter)

Domotic actuator



Load 1 | Load 2 | Load ... | Load 8

FUNCTIONAL BLOCK DIAGRAMS

Sound diffusion

Living in your home with the sound that follows you anywheremaking even more pleasent each room is another function that Domina system can offer.

Through the Touch screen the user can choose the preferred sound source in each room, adjust the volume, the tones, switch on or off the loudspeakers installed in different zones. All this can be done by means of graphic interface, by selecting the virtual ambience.

All this is possible by connecting all touch screen to a Tutondo sound system control unit and using the several functions which the control unit provides.

To complete the system, Ave offers high-performing flush-mounted loudspeakers available in the Domus and Life series, which can be connected directly to Tutondo control unit or used separately in traditional systems.

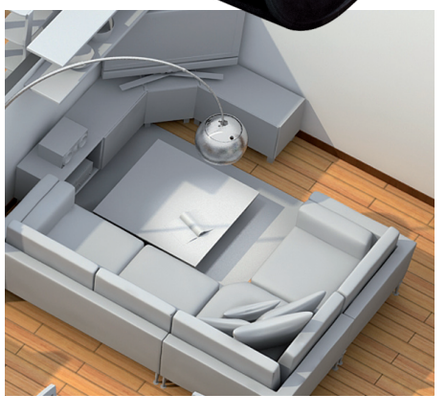
NOTE: For use and prices, please contact the sales network.

Video monitoring system

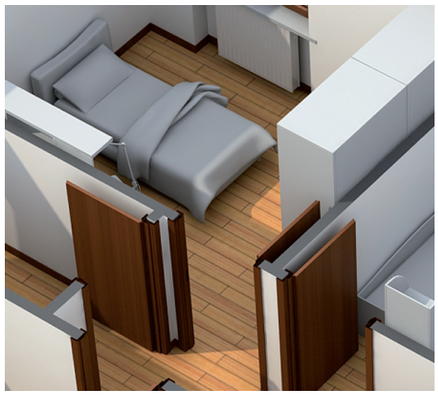
The video monitoring system equipped with cameras and IP technology enables the house to be constantly under control. The number of rooms that can be monitored is practically unlimited.
Domina enables video control either directly on touch screen, or remotely via internet connection.

TS04

IP CAM



IP CAM



Video-controlled
ZONES

NOTE: For use and prices, please contact the sales network.

FUNCTIONAL BLOCK DIAGRAMS

Burglar alarm system

To feel safe in your house and be relaxed when you are out is possible thanks to Domina and its burglar alarm system which can be activated via the touch screen. The burglar alarm system control unit managed by Domina is a modular system, which can be easily interfaced with a wide range of peripheral units and expanded to a maximum of 96 detection points. The alarms can also be sent by the telephone line and the burglar alarm system can be activated remotely

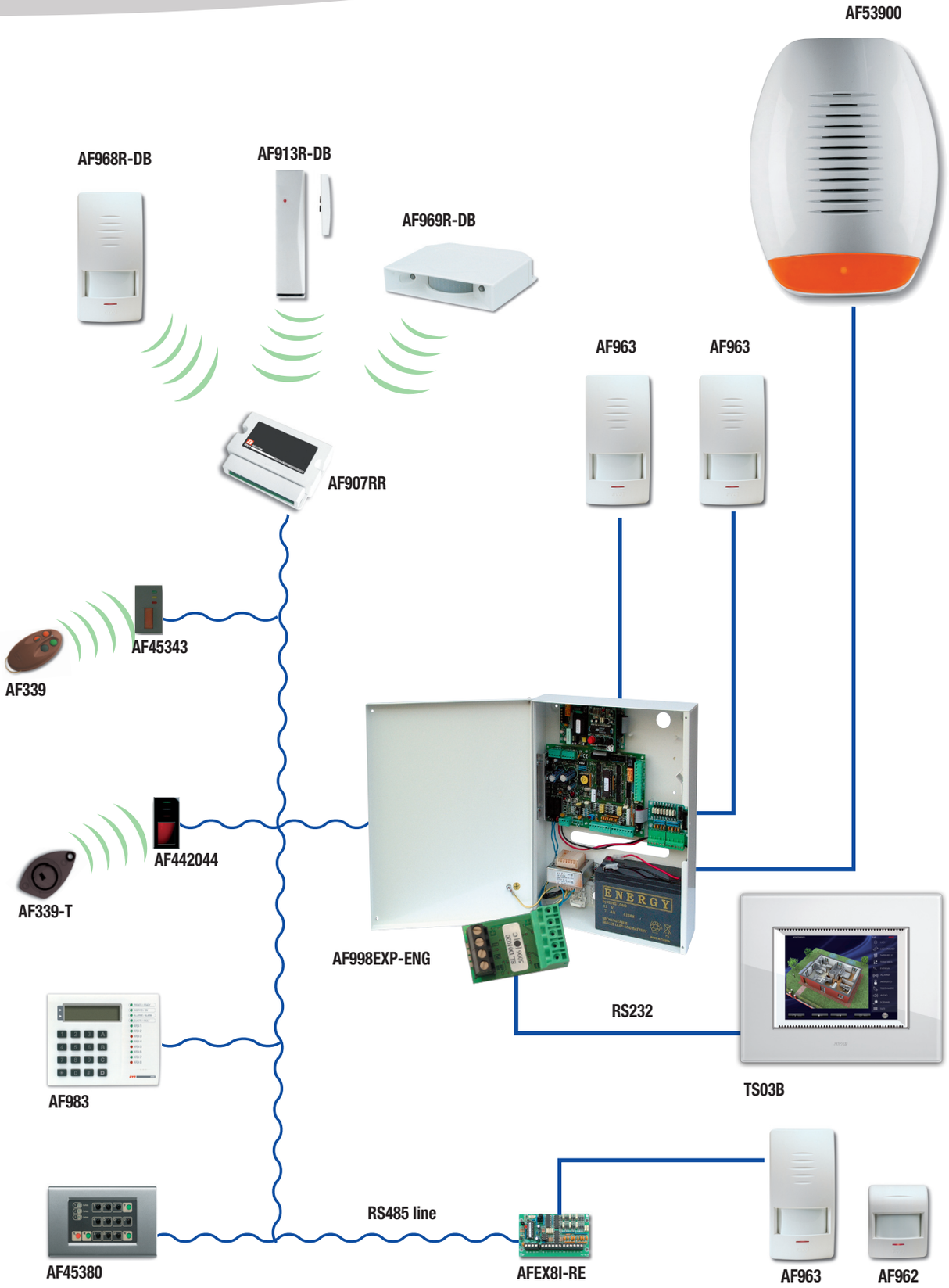
The wide range of the burglar alarm system is able to meet all needs for any type of applications thanks to the use of two different control units: AF998EXP-ENG and AF948.

The first control unit, AF998EXP-ENG, has 8 inputs which can be expanded to 16 by connecting the AFEX8I expansion board to the control unit. By means of a special bus, it is also possible to connect two AFEX8I-RE remote expansion modules to reach a total number of 32 inputs which the system can control. Also, by connecting the AF907RR radio expansion module, the control unit can communicate with 64 other radio devices, each one individually identifiable. The system can be divided in 8 areas, each one individually programmable, and has 8 programmable outputs which can be expanded to 32 by means of special modules. The phone dialling device, which can be installed into the control unit, enables to comunicate the alarms and to control and activate the 32 outputs remotely.

The control unit can be programmed by connecting a PC via a AFPC01 cable and using the proper configuration software.

By connecting the touch screen to the control unit, it is possible to monitor the room plan and, if an alarm occurs, the area in alarm is promptly signalled and a report of all the detected alarms is released. By means of a virtual keyboard displayed on the monitor of the touch screen the burglar alarm system can be activated, disconnected or partially activated.

In small and medium rooms where the use of the touch screen device is not required, the AF948 control unit can be installed: it has 4 inputs which can be expanded to 16. To increase the number of inputs here too it is possible to connect the AF907RR radio receiver which offers 16 additional radio inputs to the 16 existing wired inputs for a total number of 32, which can be subdivided in 3 areas.


AF53900
AF968R-DB
AF913R-DB
AF969R-DB
AF963
AF963
AF907RR
AF45343
AF339
AF442044
AF339-T
AF998EXP-ENG
ENERGY
RS232
TS03B
AF983
RS485 line
AF45380
AFEX8I-RE
AF963
AF962

FUNCTIONAL BLOCK DIAGRAMS

Communication with the outside world

Ave home automation system is not bounded by the house walls. Using the TS03B, TS03N or TS04 touch screen with world wide web technology, better known as the internet, it is possible to control the Domina functions that would usually be performed at home, via a smartphone, a tablet or a computer.
Through the additional remote service, the Domina system allows the user to monitor any function in the house: lighting, temperature control, technical alarms, video-control of cameras. By using any browser the user can control the whole house remotely as if he were at home.

By the integrated dialling device of the burglar alarm system by AVE the user can receive by PSTN and GSM line all information on the burglar alarm system, the technical alarms and other properly programmed signalling. The user can also communicate with the system and control a scenario simply from a mobile phone

NOTE: For use and prices, please contact the sales network.

APPARTAMENTO
10:45
ave
LUCI
LUCI DIMMER
TAPPARELLE
TERMOREG.
ENERGIA
ALLARMI
ANTIFURTO
TELECAMERE
AUDIO
SCENARI
TUTTI

TUTTE LE MAPPE
HOME
SALOTTO
CAMERA MATRIMONIALE
BAGNO
Illuminazione
Serramenti
Termoreg
Energia
Allarmi
Antifurto
Telecamere
Scenari
Consumi
Luce Soggiorno
Dimmer Soggiorno
Bagno
Camera
Luce Giardino
Luce Soggiorno

Illuminazione
Serramenti
Termoreg
Energia
Allarmi
Antifurto
Telecamere
Scenari

AVE S.p.A.

Via Mazzini, 75 - 25086 Rezzato (Brescia) - Italy
tel. +3903024981- fax +390302792605
info@ave.it

Uffici Commerciali Italia
tel. 0302498337 - 0302498343 - fax 0302792837
vendite@ave.it

Export Department
ph.+3903024981 - fax +390302594595
export@ave.it

MEMBER OF:

ANIE CEI AEI

www.ave.it
www.avetouch.it

www.domoticaplus.it

Elettricità Evoluta
dal 1904

ave

International Trademark registration n° 327040 - 942905 - 330600

AVE
since 1904
the history of electricity

www.domoticaplus.it

Vedi Avvertenze
See Note

www.ave.it
800 015 072
+39 030 24981

Elettricità Evoluta
dal 1904