

domos  
extended



 DSSTech

TODAY WE ASK TO THE BUILDINGS WE LIVE, WORK OR MOVE INTO, ALWAYS MORE IN TERMS OF COMFORT, EFFICIENCY AND SAFETY.

TO MEET THESE REQUIREMENTS POSED BY THE EVOLUTION OF MODERN SOCIETY, DSSTECH HAS CREATED DOMOS - A UNIQUE AND PERSONALIZABLE SYSTEM DEVELOPED FOR THE RATIONAL MANAGEMENT OF HUMAN HABITATS IN COMPLETE SAFETY.

THE RANGE OF DOMOTIC SOLUTIONS DESIGNED BY DSSTECH COVERS ANY SCOPE APPLICATION: DOMOS EASY AND DOMOS HOME ARE DEVELOPED FOR RESIDENTIAL USES, DOMOS BUILDING HAS INDUSTRIAL AND COMMERCIAL APPLICATIONS, DOMOS CARE IS DEDICATED TO WELFARE.



DomOS Extended is synonymous of comfort: control of lights, temperature, humidity and energy will guarantee environmental well-being and energy saving at any time.

Each room can be settled separately, according to the needs and comfort desires of the people who live there, just with a click.

The DomOS Extended system can control any function on each zone of the building.

No area is excluded: thanks to its versatility, the system can respond to any customization desired, with the possibility of being modified at any time.

DomOS is an expandable modular system: once installed with basic functions it can grow step by step to meet your needs.



HEATING



COOLING



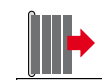
LIGHTING



AUDIO I/R

LOAD  
CONTROLENERGY  
CONTROL

ANTITHEFT

VIDEO  
SURVEILLANCEAUTOMATIC DOORS  
CONTROLROLLING SHUTTER  
CONTROLAUTOMATIC GATES  
CONTROL

IRRIGATION



## PERSONALIZED SCENARIOS

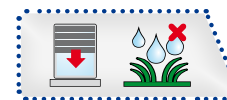


The real home automation is distinguished in the possibility to automate all the installations of a building according to customizable scenarios.

DomOS Extended allows you to program and control shutters, sunscreen systems, the irrigation plant, skylights, gates, elevators and any other device connected to the control unit, individually or simultaneously.



The **audio module** allows you to play your favorite music on each room of the building in 4 different stereo audio sources (or 8 mono audio sources), and to control volume and tones for each source.



When the **rain sensor** notices the first drops of rain, the system can close all the skylights, the shutters, the awnings, disable the irrigation plant.



A real last generation Electronic Brain manages and supervises constantly the entire building and you can control everything even when you're not in.

The DomOS Extended system can be managed from any location using your Smartphone, or Tablet or PC.

To protect your health, our system does not produce potentially harmful magnetic fields, thanks to the BUS communication on 2-wire and its low voltage network.

With the **GSM module**, you can control the system sending SMS from your Smartphone, or query the control unit on state of the building. In addition, if you choose to connect the system to a protected internet connection, you can access your home automation control unit from anywhere and have its control.

DOMOS EXTENDED IS BASED ON A  
SAFE BUS COMMUNICATION AND  
THE INVOLABILITY OF OS LINUX

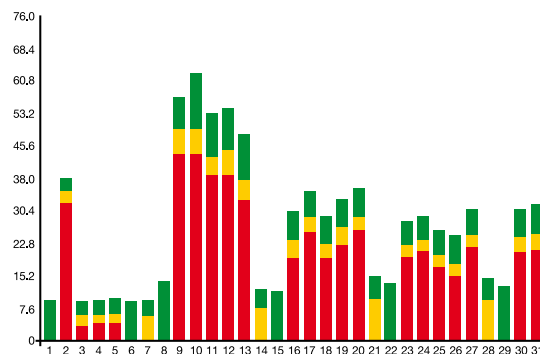
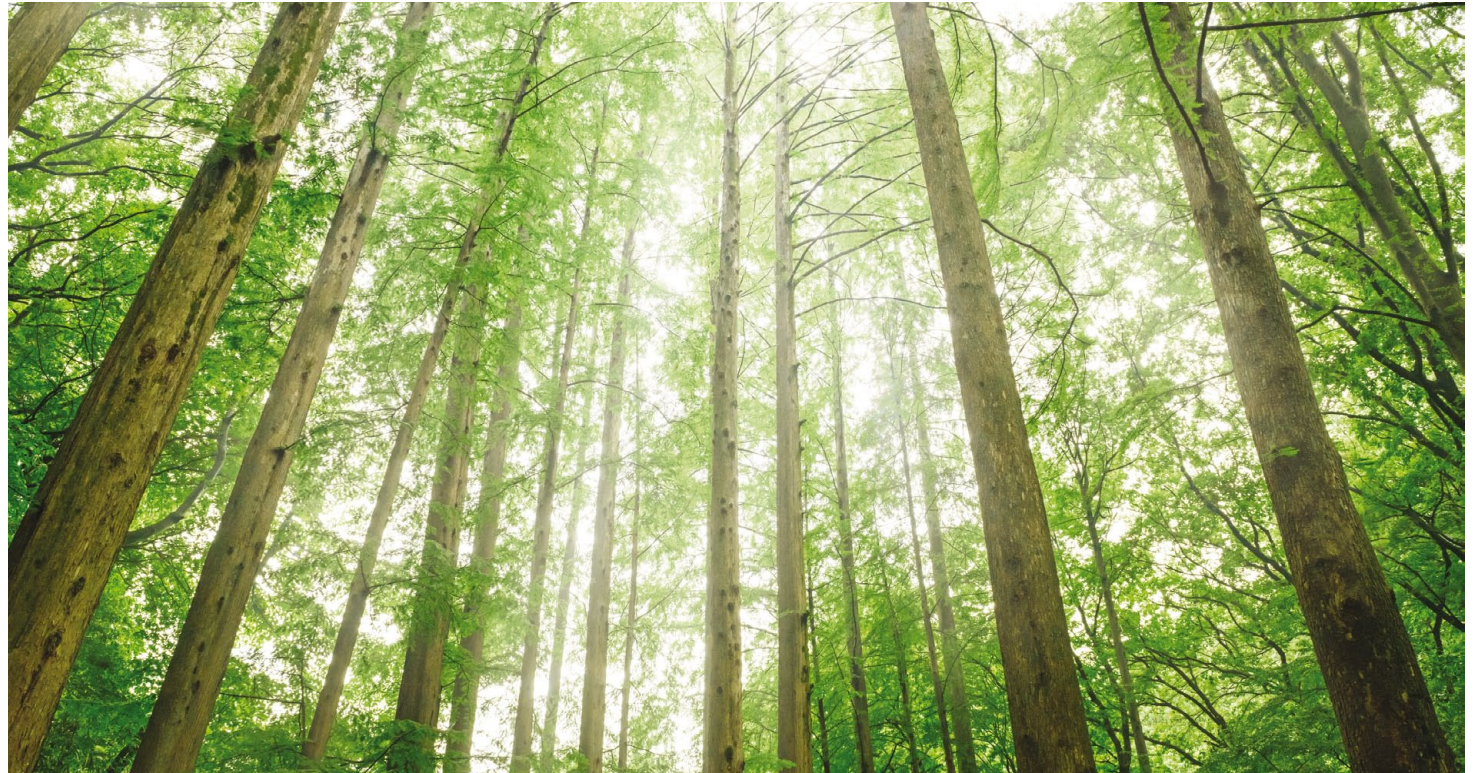




## ENERGY SAVING

Your consumptions are always under control thanks to the DomOS Extended energy module.

The system will inform you if you are exceeding power consumption values that you have chosen and it will automatically disable minor loads in order to avoid the suspension of electric supply; also, you can program the system to activate appliances on low cost time slots, so your bill will be cheaper.



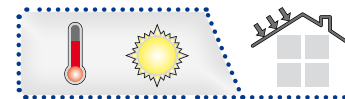
F1 kWh  
F2 kWh  
F3 kWh



FULL RATE  
REDUCED RATE



DAY  
WEEK  
MONTH  
YEAR



With the **solar module system** the DomOS home automation allows you to visualize the energy produced by the photovoltaic plant and the monitoring parameters: energy fed into the grid, self-consumed energy, GSE incentives, percentage of plant productivity.

Thanks to the radiation and temperature sensors of the photovoltaic cells, the system calculates at each moment the efficiency of the plant and reports any alarm or operational anomaly.



With DomOS Extended you can control your building with as many cameras as you want and you can even **simulate the presence**.

If applied to private housing, it can be programmed during your absence with turning on the interior lights, audio and any other automated mechanism. In this way the system imitates your presence and the house seems inhabited even if you're absent.

THE SIMULATION OF PRESENCE  
INCREASES THE SAFETY  
OF YOUR HOME

Thanks to the network of sensors controlled by the DomOS unit, you will always be safe from intrusions, fire, flooding and black out when you are not in.

The system is supplied with an anti-intrusion control that warns you in case of alarm and secures your building. Through the video surveillance function it can display by the touch screen a large number of cameras, also remotely.





The integrated PLUG & PLAY system designed for apartments or vacation homes: home automation for everyone.

DomOS Easy is the result of the challenge taken up by DSSTech. An home automation system already programmed.

The Easy kit is fast and economical to install and thanks to its intuitive interface for Smartphone and Tablet, you can manage your apartment with full autonomy and safety, even remotely.

#### USE

2 - 3 rooms apartments (small/medium size apartments, holiday homes)

#### FEATURES

home automation kit, plug&play, already programmed, accessible to everyone, fast and economical installation, easy to use, controlled by Smartphone and Tablet, entry-level version which can be expanded with additional functions at any time

#### FUNCTIONS

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#### ENERGY SAVING

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The complete solution that can be applied from the big apartment up to a luxury residence.

DomOS Home is an advanced home automation system, able to meet any need. Its maximum flexibility can control any type of function on each area of your home. Thanks to the GSM and internet connections you can control your home from anywhere you are.



#### USE

large houses (big apartments, villas, luxury residences)

#### FEATURES

high level domotic system, complete and customizable, safe and reliable, touch screen monitor, Tablet or Smartphone control

#### FUNCTIONS

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#### ENERGY SAVING

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The domotic system specific for welfare settings (residential facilities for the elderly and disabled, homes of people with reduced mobility).

DomOS Care simplifies the indoor life of older people or disables, allowing them to perform tasks that otherwise would entail great difficulty.

With this home automation system they can independently control lighting, heating, air conditioning, appliances, shutters, elevators and alarm as actions simple and comfortable.

The system is specifically designed to be managed with different user interfaces: from the simple infrared remote control to your Smartphone or Tablet.

#### USE

homes for dependent persons or person with reduced mobility, welfare buildings (care centers, nursing homes, residential facilities for the elderly or disabled, hospices)

#### FEATURES

system customizable according to specific needs, safe and reliable, favorite warning alarms, it can be added to existing installations and interfaced with remote and safety control systems

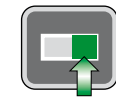
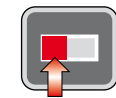
#### FUNCTIONS

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#### ENERGY SAVING

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#### HOMES FOR THE ELDERLY - DISABLED

- LIGHTING, HEATING, AIR CONDITIONING, APPLIANCES, ROLLING SHUTTERS, LIFTS, ETC.
  - infrared sensors control using any universal remote control, or by Smartphone, Tablet and PC
- SAFE HOUSE (CREATION OF CUSTOM SEQUENCES)
  - the system automatically switches off preset functions in case of gas leaks, electrical shorts, losses of water
  - global shutdown of preset functions when the person leaves the house using one single red button "CLOSE"

- ACTIVE HOME (CREATION OF CUSTOM SEQUENCES)
  - global reset of preset functions when the person turns at home using one single green button "OPEN"
- ALARMS
  - real-time alarm notifications to selected numbers via SMS in case of gas leaks, short circuits, water leaks
- EMERGENCIES
  - emergency signaling in real time via SMS, if required ambulance





## The building automation solution for industrial, commercial, directional, recreational and religious complexes.

DomOS Building has been created the control, monitoring and management of non-residential buildings. In these structures the system extends and integrates the possibilities of the home automation. Here are just some examples of how you can manage: air quality and climate control, internal, external and car parks lighting management, attendance and access control, integration with the production lines for the maximum energy savings. DSSTech develops ad hoc domotic system according to your requirements, offering assistance from design to after-sales phase.

### USE

industrial, commercial, directional, recreational and religious buildings (factories, manufacturing floors, greenhouses, offices, schools, restaurants, gyms, churches, etc.)

### FEATURES

home automation system which provides specific solutions of automation for non-residential buildings

### FUNCTIONS

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### ENERGY SAVING

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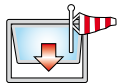


#### PRODUCTION DEPARTMENTS - GYM

- **BOILER (WATER PRODUCTION FOR WINTER HEATING/SANITARY WATER PRODUCTION IN WINTER SEASON AND SUMMER)**
  - automatic mode control or by time slots
- **GROUND SOURCE HEAT PUMPS (WATER PRODUCTION FOR HEATING OR AIR CONDITIONING DEPENDING ON THE SEASON)**
  - automatic mode control or by time slots
- **REFRIGERATION MACHINES**
  - automatic mode control or by time slots
  - (Vmin - Vmax) with speed selection management according to the temperature detected by the external sensor

- **A.T.U. (AIR TREATMENT UNIT)**
  - automatic mode control or by time slots
  - manual mode control by the speed forced selection (Vmin - Vmed - Vmax)
- **AIR EXTRACTORS (WITHDRAWAL OF MANUFACTURING SMELLS FROM THE PRODUCTION AREAS)**
  - automatic mode control or by time slots
- **TECHNICAL ALARMS**
  - technical alarms in real-time reported via SMS





## GREENHOUSES

### • SKYLIGHTS

- opening and closing in automatic mode according to commands set by the user, through physical or virtual buttons
- opening and closing in automatic mode according to preset temperature thresholds
- forced closing of all the doors in case of rain or wind
- forced opening of all the doors in case of fire

### • LIGHTING

- control by light sensors or time slots

### • SHADING SHEETS

- opening and closing in automatic mode according to preset temperature and light thresholds
- opening and closing in manual mode upon commands given by the user through physical or virtual buttons

### • IRRIGATION VALVES

- time slots control

### • TECHNICAL ALARMS

- technical alarm reports in real time via SMS



(1977) RASOTTO ENGINEERING WAS FOUNDED AS A COMPANY DEDICATED TO INDUSTRIAL AUTOMATION AND POWER PLANT ENGINEERING.

THE COMPANY HAS EVOLVED OVER THE YEARS AND CREATED A TEAM SPECIALIZED IN THE RESEARCH, DESIGN, AND CONSTRUCTION OF ADVANCED ELECTRONIC CONTROL SYSTEMS.

(1998) RASOTTO ENGINEERING STARTED TO DEVELOP THE HOME AUTOMATION SYSTEM AND IN THE FOLLOWING YEARS BEGAN THE INSTALLATIONS OF THE FIRST PLANTS.

(2004) RASOTTO ENGINEERING HAS BEEN CERTIFIED TO UNI EN ISO 9001 SINCE 2004. THIS MEANS CERTIFICATION OF THE ENTIRE PRODUCTIVE CYCLE, FROM INITIAL DESIGN TO PRODUCTION, FROM THE TESTING OF EVERY SINGLE PIECE TO POST-SALES ASSISTANCE.

(2018) RASOTTO ENGINEERING BECOMES A BRAND OF DSSTECH, A COMPANY THAT OFFERS SOLUTIONS FOR THE INDUSTRIAL AUTOMATION, THE HOME AND BUILDING AUTOMATION, SOLUTIONS FOR THE STREETS LIGHTING ENERGY SAVINGS.

dom|OS  
extended

dom|OS  
easy


dom|OS  
home

dom|OS  
care

dom|OS  
building



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