

simon VIT@

simon
VIT@



General considerations

Simon offers a new **SimonVIT@** system designed as a result of more than 15 years of experience in installations in Spanish and Portuguese market, keeping in mind the requirements of both the concerned professionals as well as end users.

SimonVIT@ Advantages for the professionals

SimonVIT@ has been designed specially to facilitate the installation.

- Led indicators in all the modules which allow the professionals to check the installation without PC.
- The choice of carrying out the installation in a centralized or distributed mode is at the discretion of the installer.
- The programming software offers an extensive and a complete library of functionalities which can be programmed without having an extensive knowledge in the field of IT.

One of the important features is its large capacity of development and adaptability. **SimonVIT@**, on allowing an almost unrestricted extension of modules in any installation, is converted into a system designed for the most challenging projects: business, offices, hotels, geriatric hospitals, etc. A wide range of solutions, perfectly adapted to the needs of each installation.

- Up to 30% of saving in electrical consumption.
- Comfort for their clients.
- 24 hours monitoring.
- Customisation.



SimonVIT@ Advantages for the user

SimonVIT@ is especially designed to simplify the life within home and intuitively manage lighting, air conditioning, blinds, intrusion, electrical appliances, etc., through simple push buttons, multi button panels, LCD remotes, up to the screens with user friendly management software for each user.

Home where comfort is a paramount requirement, **SimonVIT@** raises this concept to the maximum with multiple services. Starting from the creation of several light ambiances in the same space with a single push button, up to the immense versatility of the system which allows customisation of different housing elements (light, ambiance, sound, blinds, awnings, etc.) creating ambiances and scenarios which adapt themselves to the requirements of each user and accessories through the touch screen.

SimonVIT@ allows controlling the electrical elements of the entire house while sitting on the couch or resting in the bedroom with a remote control or through a touch screen. The peace of mind knowing that your house is safe before any incidence such as gas leakage, flooding, intrusion, **SimonVIT@** acts and warns you through SMS messages.

SimonVIT@ is a completely integrated system as regards the development of new technologies such as Internet, SMS which add numerous advantages to your house.

- To be benefited by the integral control of all the elements through a touch screen.
- Be in constant touch with your home through SMS messages from your mobile to prepare the house before your arrival.
- The electricity saving of all the elements of the house is initiated by using the natural light to the maximum.

With **SimonVIT@**, Simon offers an extensive domotics range for the professionals and users, offering solutions for all types of installations from small houses to big buildings.



How to use SimonVIT@ in your house

Quality of life for your home

Safety

SimonVit@ keeps an eye for you, warning you against any incidence (water or gas leakages, smoke, intrusion).



Comfort

On reaching your house, enjoy an ambience of your taste (switch on the light, music, raise the blinds...).



Telemanagement

Irrespective of your location, control all the system with your mobile phone.



Saving energy

SimonVit@ allows you to save the energy.



Home solutions

SimonVIT@ is a system applicable for automating all kinds of installations, through basic applications such as housing offers, luxury houses, up to the most complex installations such as schools, office buildings, sports facilities, factories, hotels and geriatric residences.

The applications which cover **SimonVIT@** for the housing are the following:



— Management and Connection of Technical Alarms: **SimonVIT@** cuts the water supply in case of detection of incidence and notifies through phone, thus preventing the damages from becoming extensive.

— Temperature Control: with **SimonVIT@** the air conditioning is activated only when we are at home. If we are not at home, the temperature can be programmed from comfort to energy saving mode.



— Detecting Intrusion: as regards an intrusion **SimonVIT@** detects it and notifies through the mobile or the TFT screen of the system.



— Creating an Ambience: through the surface TFT screen it is possible to program different scenarios, welcome, home-cinema, goodbye, it can be modified any time.



— Presence Simulation: thanks to the presence simulation nobody can notice your absence and this way the house is more secure.



— Heating and Irrigation Programming: a periodic programming of heating and irrigation can be done keeping in mind that **SimonVIT@** detects the rain and can cancel the programmed irrigation or switches off the air conditioning on detecting an opened window.



— Telephone Control: **SimonVIT@** allows the telephone management of a remote installation through incorporating **SimonVOX** (Ex: activate the alarm system through the mobile when going on a trip).



— Infrared Universal Remote control: with the **SimonVIT@** control it is possible to control different desired domotic functions through any corner of the house and integrate the multimedia devices in addition (television, music system, dvd...)

Tertiary solutions

In the tertiary installations Simon VIT@ can cover the following applications directed towards an ideal centralized management and providing a considerable saving of energy in their installation:

— Light Control: Simon VIT@ allows maintaining a configurable parameter of constant light according to the natural light in any installation zone by automatically adjusting the fluorescents and the electronic ballasts. The system also allows programming brightness and activating a timer light set point in case a presence is detected.



— CLIMA Fan-Coil equipments management: With Simon VIT@ an unlimited number of CLIMA equipments can be managed by selecting the n° of speeds. The management of these equipments can be set according to the opened window or by detecting a presence in the zone to guarantee Energy Saving in the installation.

— Management and Display of Technical Alarms: SimonVIT@ will warn about any incidence in your installation, displaying it on the TFT screen.

— Zones Management: The installation can be divided into different zones which can be managed through different SimonVIT@ surface TFT screens from where the technical alarms can be received, the lighting systems can be controlled, Venetian blinds motors and the ambiance of this zone can be controlled.

— Integration with other systems: SimonVIT@ is a system based on the universal LonWorks protocol which allows an easy integration with other systems present in the Tertiary installations such as fire protection systems, access control, videovigilance systems.



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SimonVit@ Modules



- 81025 -38 Power Supply Module**
- Input 230 V~ 50/60Hz
 - Maximum power of 100W
 - Output 24 V d.c. 4.2 A.
 - Switched and protected supply
 - Dimension: 162mm / 9 modules

Application

The voltage supply module SimonVIT@ of 4.2 A (100W) can be used for supplying power to all the SimonVIT@ components and other elements which operate with this voltage (electro valves, detectors, led indicators, etc.)



- 81020 -38 35 W Power Supply Module**
- Input 230 V a.c. 50/60Hz
 - Maximum power of 35 W
 - Output 24 V d.c. 2.5 A. adjustable.
 - Switched and protected supply
 - Dimension: 93mm / 5 modules

Application

The power supply module of **SimonVIT@** of 2.5 A (35W) can be used to supply the power to all the SimonVIT@ components and other elements which operate with this voltage (electrovalves, detectors, led indicators, etc.)



- 81500 -38 24 V Input Modules.**
- Incoming current: 24 V d.c.
 - 8 potential free digital inlets
 - 1kOhm input impedance.
 - Dimension: 72mm / 4 modules

Application

The 24 V d.c input Module is used for receiving all the system information coming from units such as push buttons, switches, detectors, thermostats, etc. The devices to be connected must be potential free contact.



- 81560 -38 Output Module**
- Incoming current: 24 V d.c.
 - 4 contact relays.
 - 2 relays with manual locking.
 - 6 potential free outputs.
 - Dimension: 108 mm / 6 modules

Application

With this module 6 loads of different potential are controlled physically to act on lighting, blinds, electrical appliances, air conditioning, safety, etc. Two of these outputs are forced relay in case of some system failure in order to lock the internal relays manually.



- 81990 -38 Universal Dimmer Module**
- Incoming current: 24 V d.c.
 - 2 Outputs type:
 - Halogen lamps (300 VA) with electronic transformer with 12 V lamp
 - Incandescent and halogens (300W)
 - Dimension: 72mm / 4 modules

Application

The Universal SimonVIT@ dimmer module is used to adjust loads and lighting circuits. It can be used for any type of load (incandescent, halogens with electromagnetic and electronic transformer). It has a capacity of adjusting two completely independent loads.



- 81565 -38 Regulatory Module 0-10 V.**
- Incoming current: 24 V d.c.
 - Suitable for fluorescents.
 - 2 Relay connection/outputs
 - 2 Analogical outputs 0-10 V
 - Two 5V digital inlets
 - Dimension: 108mm / 6 modules

Application

With this module it is possible to control high frequency electronic reactance used for controlling fluorescent lamps thus having two independent actuation outputs. This reactance needs an analogical control input of 0-10V.

SimonVit@ Modules



81915 -38

Light Sensor

- Incoming current: 24 V d.c.
- Connection to the databus.
- Flush mount Device.
- Light Range: 10 LUX-1000 LUX-
- Built in PIR Sensor.

The Light Sensor is a module which is used for managing the luminosity level of a room so that it is maintained between modifiable pre-set values. This sensor is used to control any type of load (incandescent, halogens with electromagnetic and electronic transformer).as well as circuits for fluorescents.



81705 -38

Memory Module

- Incoming current: 24 V d.c.
- Dimension: 72 mm / 4 modules

Application

With this module the system can carry out management operations of advanced resources.



81701 -38

Switch Module

- Incoming current: 24 V d.c.
- 2 network connections at 78 Kbps.
- 1 backbone connection at 1.25 Mbps.
- Dimension: 162 mm / 9 modules

Application

The Switch module is suitable for installations of more than 128 modules which require a high speed cross connection network.



81702 -38

Repeater Module

- Incoming current: 24 V d.c.
- 2 network connections at 78 Kbps.
- Dimension: 36 mm / 2 modules

Application

Network typology module which is used in installations which require a minimum of 64 modules and up to a maximum of 128.



81703 -38

Adaptor Module

- 1 connection on the Switch module at 78 Kbps.

Application

This module is used to delimit the link/connecting channel of 1.25 Mbps in installations supplied by Switch module. It is connected between the first and the last Switch.



81999 -38

Network terminator module

- Incoming current: 24 V d.c.
- Typology selector: bus and free
- Dimension: 18 mm / 1 module

Application

The **simonVIT@** network terminator module is an essential element for any installation. It carries out the final BUS impedance function and it is placed at the beginning and at the end of the BUS according to the selected typology.

Simon VIT@ with user's interface Modules



81221-38 Surface TFT Screen
 - Incoming current: 24 V d.c.
 - Connection to the databus
 - USB Connection
 - Dimensions: 195 x 295 x 45 mm

Application
 The **SimonVIT@** touch screen surface module is a device which allows displaying and managing the main components of the system.



81220-38 Flush mount TFT Screen
 - Incoming current: 24 V d.c.
 - Connection to the databus
 - USB Connection
 - Dimensions: 195 x 295 x 45 mm

Application
 The **SimonVIT@** touch screen module is a device which allows displaying and managing the main components of the system in flush mount format.



81229-38 Flush mount box
 (Article for 81220-38).



81520-38 Fan-Coil Manager
 - Incoming current: 24 V d.c.
 - Connection to the databus
 - LCD Screen
 - T^a Range : 0°C - +45°C
 - Dimensions: 82.5 x *82.5 x *30 mm

Application
 The Fan-coil manager is an ambient device which is used to efficiently manage the AIR CONDITIONING fan-Coil equipments in the room in which are they are installed. The module has manual keys for switching the ventilation phases in addition to displaying and modifying the Temperature.

NOVEDAD



81041-38 DIN Rail Display Module
 - Incoming current: 24 V d.c.
 - Connection to the databus
 - Dimensions: 108 mm / 6 modules

Application
 The general function of this DIN rail module is to transmit and receive information from the installation through a LCD display, where we can see the messages such as alarms, functions status and timers.



81042-38 Flush Mount Display Module
 - Incoming current: 24 V d.c.
 - Connection to the databus
 - Dimensions: 90 x 58 x 106 mm
 - Has a built-in temperature sensor with a working/functioning range (0° - 45° C)

Application
 The general function of this flush mount module is to transmit and receive information from the installation through a LCD display, in which we can see the messages such as alarms, functions status and timers.

Simon VIT@ with user's interface Modules



81610 -33 **Frame for flush mount display/ sensor module**
Dimensions: 98 x 150 x 10 mm.
(For Article 81042-38).



27711-31 **Flush mount box which can be connected.**
(For Article 81042-38).



81910 -38 **2E / 2S Module**

- Incoming current: 24 V d.c.
- Connection to the databus
- 2 Inputs
- 2 Relay connection/outputs, max power: 1000 W.
- 2 LED indicators
- For universal flush mount box

Application

This module has 2 inputs and 2 outputs to be installed in universal box. It is used in small insulated solutions due to aesthetics or requirement of decentralized installation in order to manage lights and blinds. It has 2 outputs for 2 LEDs indicators.



81026 -30 -31 -38 -33 -34

Double switch Inputs/Outputs module. It is installed with the plates or frames of the Series 75, 82 or 88 along with the covers 75088, 82088 and 88088, which are provided separately.



2088 -30 -31 -38 -33 -34
Adaptor for Simon 82 Series.



81900 -39 **Multi-functional Button panel with 6 push buttons and 4 LED's. For universal flush mount box.**



75363 -30 -31 -38
Button panel cover Series 75



82363 -30 -31 -38
Button panel cover Series 82



SERIE 75



SERIE 82

Simon VIT@ with user's interface Modules



81700 -38 VIT@ IPModule
 - Incoming current: 24 V d.c.
 - Connection to the databus
 - RJ45 and USB Connector
 - Dimensions: 108 mm / 6 modules

Application
 The **VIT@ IP module** provides TCP/IP network connection adding a web interface for displaying and controlling the functionalities programmed in the installation.



81980 -38 Flush mount IR Receiver Module
 Loads receiver connected with **SimonVIT@**.
 Power supply 24 V d.c.
 Push button with programmable function (CHANNEL A or B).
 Maximum number of units coupled in series: 6.
 Works with a remote control:
 (Art°. 81985-38 and 81996-38).
 For universal type flush mount boxes.

Application
 This module allows that the orders/commands transmitted by the remote control are interpreted by the system, in accordance with the given program.



82087 -30 -31 -38 -33 -34
 IR receiver cover.



81986 -38 IR Multimedia Control.
 Telecontrol of loads connected with **SimonVIT@**.
 16 functions (8 numbered function keys plus 8 additional ones with auxiliary key).
 Function programming with double click.
 3x1.5 V (alkaline type) Batteries are not provided.
 Range: 6 to 10 metres.

Application
 The IR Multimedia control allows controlling up to 16 functions which are done from a room (lighting, air-conditioning, blinds, etc.) In addition the user can control up to 8 devices, including VCRs, DVD's, TV's, etc.)



81985 -38 Infrared Remote control
 Telecontrol of loads connected with **SimonVIT@**.
 16 functions (8 numbered function keys plus 8 additional ones with auxiliary key).
 Function program with double click.
 2x1.5 V (alkaline type) Batteries are not provided.
 Range: 6 to 8 metres

Application
 It allows controlling different functionalities of the system. It can program up to 16 functions per room in total.

Detectors and Accessories



81860 -39 Flooding detector.
 It detects flooding along with the corresponding sensors.
 In-built Flooding Sensor can be connected up to a maximum of 3 sensors (art. 81864-39).
 Power supply at 230 V~ 50/60 Hz.
 Alarm output through volt free reverse relay.
 It has 2 LED' indicators for service and alarm.

Built-in buzzer for acoustic warning.



81864 -39

Flooding sensor.

(For Article 81860-39 and 75860 and -30)

Detectors and Accessories



81861 -39 Gas detector.
Designed for detecting the presence of toxic and explosive gases, such as: butane, propane, natural gas , etc.
Power supply at 230 V~ 50/60 Hz.
Alarm output through volt free reverse relay.
It has 2 LED indicators for service and alarm.
Built-in buzzer for acoustic warning.



75860 -30 Flooding detector.
Unit which detects possible flooding, along with the corresponding sensors.
Installation in the universal flush mount box. Includes a flooding sensor. It can be connected to a maximum of 3 sensors (Art. 81864-39)
In case of an alarm, it has a red colour led and a sound signal, controlling an electro valve (**Art. 81870-39**) for the automatic closure of the water supply.
It has a service led (green), alarm led (red) and a Test pushbutton.
(Also suitable for SimonVOX.2).
Requires a power supply (Art. 75870-30)
CONNECT A SINGLE TECHNICAL DETECTOR TO EACH POWER SUPPLY.



75861 -30 Gas detector.
Gas detector designed according to the UNE-EN 50194 norm, allows detecting the presence of toxic and explosive gases, such as: butane, propane, methane, town gas, natural gas and others.
Installation in the universal flush mount box.
In case of an alarm, it has a red colour led and a sound signal, which can control an electro valve/solenoid (**Art. 81871-39**) for the automatic closure of the gas supply.
It has a service led (green), dual colour alarm/breakdown led (red and amber) and a Test pushbutton.
(Also suitable for SimonVOX.2).
Requires a power supply (Art. 75870-30)
CONNECT A SINGLE TECHNICAL DETECTOR TO EACH POWER SUPPLY



75870 -30 Power supply.
Power supply equipment (12 V~) suitable for the gas detector (Art.75861-30) and flooding detector (Art. 75860-30).
Installation in the universal flush mount box.
It has a service led (green).
CONNECT A SINGLE TECHNICAL DETECTOR TO EACH POWER SUPPLY.



81870 -39 Water electro valve/solenoid.
It is normally opened for controlling the water supply.
Automatic reset.
R 3/4'' G Connection
Power supply: 230 V~ 50 Hz
Degree of protection: IP 65



81871 -39 Gas electro valve/solenoid.
It is normally opened for controlling the gas supply.
Manual reset valve.
R 3/4'' G Connection
Power supply: 230 V~ 50 Hz
Degree of protection: IP 54



81862 -39

Optical smoke detector

Power supply at 230 V_{2~} 50/-60 Hz.
 Suitable for giving an early warning of fires.
 Alarm output through volt free reverse relay.
 It has 1 LED indicator for service and alarm.
 In-built acoustic alarm.

NOVODAR



81800 -30

Passive PIR Infrared Detector.

Incoming current: 24 V d.c.
 Passive infrared sensor to track movements to be used indoors.
 -Range from 6 to 8m.
 For universal type flush mount boxes.
 It is only suitable for Series 75.



81850 -39

Dusk/twilight detector.

Incoming current: 24 V d.c.
 1 break contact (NA).
 Adjustable at the level of 5 at 100 lux.
 Closed contact Led indicator.
 Switching in delay from 10 to 20 sec.
 Applicable on lighting, blinds, etc.



10301 -31

Ceiling mount Infrared motion detector.

Voltage: 230 V_~, 50/60 Hz.
 Cut power: 10 A
 Coverage angle: 360°.
 Approximate range: from 2 to 6 meters and height 2.4m.
 Duration of the signal: between 6 sec to 12 min.
 Adjusting the light intensity.



 
 27342 -32 -35

Switch-presence Detector.

Voltage: 230 V_~, 50/60 Hz.
 Switch off regulation from 10 sec to 15 min.
 Twilight/dusk level regulation.
 Suitable for all types of loads:
 - 1000 W - Incandescent and halogens 230V.
 - 500 W - Halogens with electromagnetic transformer, electronic transformer*, fluorescents and motors/engines.

***The installation with electronic Simon transformers is recommended**
 (Art. 75351 and 75352).



 
 82088 -30 -31
 Adaptor for Simon 82 Series.

Units of local control



75553 -39 Push button for 24 V d.c., with built-in green colour LED.

75552 -39 Push button for 24 V d.c., with built-in red colour LED.



75399 -39 10 A 230 V~. Group of 2 push buttons (1 input + 2 outputs).



75396 -39 10 A 230 V~ Group of 2 push buttons for blinds. (without locking).

It requires a control device for its installation. Refer the installation diagram of the blind to be controlled.

Switches



75011 -30 -31 -35 -38 -33 -36
With translucent sight-glass. (Article 75553-39).
75012 -30 -31-35 -38 -33 -36
With red sight-glass. (Article 75552-39).



82011 -30 -31-38 -33 -34



75026 -30 -31-35 -38 -33 -36



82026 -30 -31-38 -33 -34

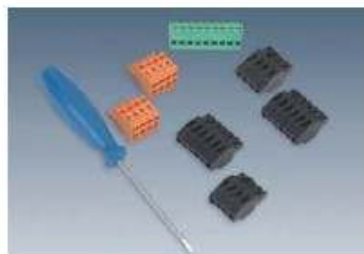


75029 -30 -31-35 -38 -33 -36



82029 -30 -31-38 -33 -34

Units of local control



81230 -38 **SimonVIT@ accessories package**

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Composition

- 1 Magnet
- 1 Set of Eight 4 ways Terminals
- 1 Set of Four 2 ways Terminals
- 1 Set of Four 6 ways Terminals
- 1 Set of 2 Terminals Light Sensor
- 1 Set of Four 4 ways Terminals of screen
- 1 Screwdriver

Accessories for programming



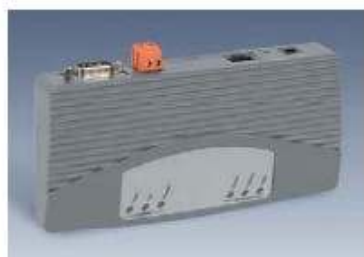
81091 -38 **PC Connection Module**
 Connection to the databus through PC by means of USB port
 Dimensions: 123 x 68 x 30 mm

Application

This module is connected to the PC by means of the USB port (in case the PC does not have USB connections, a USB/ RS 232 converter is placed. It is used for downloading the program through the **SimonVIT@** installation software to the system.



81074 -38 **SimonVIT@ installation software.**
 Includes the Programming and Installation Manual
 Compatible with Windows subsequent to Windows 2000 and Windows XP (included)



81092 -38 **Remote Connection Interface**
 Connection to the databus
 Connection to the LAN network through Ethernet port

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This device is used for remotely accessing the installations on SimonVIT@ bus allocating an IP address to this device within the LAN network in which it is present. It is used to send and/or receive data from the installation

Units for training



81080 -38 **SimonVIT@ Training Tool kit**

Composition

- 1 Power Supply (81025-38)
- 2 Input Modules (81500-38)
- 2 Output Modules (81560-38)
- Dimmer Universal Module (81990-38)
- Network Terminator Module (81990-38)
- 2E/2S Modules (81910-38)
- Multi-Functional Button Panel (81900-38)

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81064 -38 **SimonVIT@ Basic Training Package**

Composition

- 1 Power Supply (81020-38)
- 2 Input Modules (81500-38)
- 2 Output Modules (81560-38)
- Flush Mount Sight-glass Module (81042-38)
- Network Terminator Module (81990-38)
- USB Adaptor (81091-38)
- SW Training (81076-38)

NOVEDAD



81065 -38 **SimonVIT@ Advanced Training Package**

Composition

- 1 Input Modules (81500-38)
- 1 Output Modules (81560-38)
- Dimmer Universal Module (81990-38)
- 2E/2S Module (81910-38)

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