

urmet

HOME AUTOMATION
S Y S T E M S

IP Per Home

COMMUNICATION, SECURITY,
COMFORT, COST-EFFICIENCY.
ALL IN ONE.

URMET IS IN YOUR LIFE

URMET

Urmet is an Italian company founded in 1937. From the late Fifties, it designs, develops and sells building automation products and systems. As a communication and security specialist, the company stands out for its flair for innovation and for the development of its systems that cut installation times and simplify the function management in the house, tertiary and industrial sectors. Its wide range of products features a comprehensive

choice of technological and aesthetic solutions. Door phone and video door phone systems, telephony, room control, professional intrusion alarm systems, video surveillance and fire alarm systems: solutions for every industry, developed in line with market demands. Urmet has an extensive and reliable service network. Moreover, Italian Customers enjoy the benefits of Urmet's sales network, which has a widespread presence on the territory with sales offices throughout Italy.

THE URMET GROUP

Urmet Group means integration of expertise and international dimensions, to offer global solutions to its partners. Established in Italy in 1937, the Group soon developed internationally and now plays a major role on the international scene. Our Group designs, develops and markets building automation products and systems in the communication and security sectors, as well as in energy management and

saving, and telecommunications. In Italy, Urmet is a leading manufacturer of video door phone and telephone systems, access automation and control, professional intrusion alarm systems, fire alarm systems and video surveillance systems, from private homes to town redevelopment planning, up to large public infrastructures. It is as a global partner for product quality and service efficiency.

HOME AUTOMATION SYSTEMS

COMMUNICATION, SECURITY,
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URMET MEANS TECHNOLOGICAL INTEGRATION

Communication, security, comfort, cost-efficiency.
All in one, with IPerHome.

IPerHome is the new home automation system by Urmet where all technological know-how of the Group merges. IPerHome helps you integrate video door phone, video surveillance, intrusion alarm, gas and smoke detection system, automation, energy saving system, audio system and Internet connectivity. The result being a true tailor-made home living, operating and changing according to the needs of the people inhabiting it.



Urmet is a leading provider of communication and security solutions. Urmet's digital video door phone and telephone systems, intrusion alarm, fire alarm and video surveillance systems are widely used and represent an industry benchmark from a technological, functional and qualitative point of view.



Simon Urmet is the result of a partnership between Simon S.A., world leader in residential application design and manufacture, and the Urmet Group. The result is Nea: a system based on three design styles that guarantees optimal functionality and a pleasing look.



Aprimatic is a brand of the Urmet Group and Italian market leader for automatic gates, rolling shutters and window systems. Aprimatic products enable users to design and install customised automation systems or choose convenient product kits.

IPerHome is completely designed and developed by Urmet, relying on its technical know-how and expertise, which are the result of the over 75 years of business in this industry, aimed at offering a complete range of solutions and full compatibility with the most popular systems and devices available on the market.

FOR TECHNICIANS AND DESIGNERS

Dedicated pre-and after-sales services

Urmet is a leader in system integration in the sectors of communication, safety and home automation. The Group offers its customers top-quality products, and through its granted partners it provides tools that simplify and speed up the work. This means

solutions to plan projects and analyse each customer's needs, so as to always make the right choice, relying on specialised, multi-platform service available at all times.

SALES NETWORK

Sales offices and Urmet agencies are present all over the Country.

Therefore, Urmet guarantees a specialised consultancy network during the purchase: from designing to product choice, in order for the clients to choose the solutions that best meet their needs.

SERVICE CENTRES

Over 30 Service Centres across Italy cater to the needs of products and systems, with aimed on-site service performed by skilled engineers.

CUSTOMER SERVICE

A direct line with our technicians will provide quick and live solutions for any doubt that may arise during installation or maintenance.

ALL RESOURCES AT A CLICK OF YOUR MOUSE

Online configuration tool and estimates, tutorial videos, news, all the updates available, documentation, systems' application charts and diagrams.

www.urmet.com | www.iperhome.com



HOME AUTOMATION THE URMET'S WAY

Communication, security and cost-efficiency within a single modular and flexible system.

IPerHome offers more comfort, functionality, control and cost-efficiency.

MORE QUALITY TO YOUR LIFE

Comfortable, safe, smart. With IPerHome, your house will simplify your life, adjusting to every moment, every day, every season. IPerHome improves the quality of your life by improving the efficiency of the energy systems and allowing their remote control.

TECHNOLOGY AT YOUR SERVICE

IPerHome perfectly integrates communication systems, security and cost-efficiency. With IPerHome, your systems will communicate to adapt to your routine, to protect your family and give you more comfort.

A SMART AND SCALABLE SYSTEM

IPerHome is a modular system, as it works without control units and makes you implement, change and widen your system's functionalities whenever you need, without having to operate on the system's architecture or to modify the wiring. This brings four great advantages:

- low installation cost
- implementation of the necessary functions only
- no building works for further modifications
- higher reliability, thanks to the independence and autonomy of every component.

OUR BEST FOR YOUR ENERGY SAVING

IPerHome makes you reach the highest performances defined by the CEI 64-8 and EN15232 regulations, making you save up to 26% for heating and conditioning systems, and up to 15% for the electric consumption.

New horizons and many possibilities for the design, installation and use of technological systems.

Easy to design, re-design, install, modify and use.

A SYSTEM BASED ON A SINGLE WIRING

The IPerHome devices are linked to a field bus that may be composed by different wiring types.

COMPATIBLE WITH THE MOST COMMON WIRING SYSTEMS

All the devices composing IPerHome are placed in flush-mounting boxes, junction boxes or electric panels, and they can be combined to standard buttons, control devices and sockets. This is why IPerHome is compatible with the wiring systems of the leading manufacturers.

URMET VIDEO-DOORPHONES ON BOARD

The digital video-doorphones 2Voice and IPerVoice are designed to be combined with the IPerHome system. Their integration is simple and just as efficient as the top quality communication and security services that we offer to our clients.

INTEGRATION WITH THE SECURITY SYSTEMS

IPerHome can easily control the Urmet 1067, Elkron MP500 safety systems, and many more from the leading manufacturers.

IN COMPLIANCE WITH THE HBES REGULATIONS


The IPerHome output modules are designed in compliance with the technical regulations of the European Committee for Electronic Standardization for HBES systems (Home and Building Electronic Systems), and in particular to regulations EN 50428, EN 60669-2-1 and EN 60699-1.

Learn more on
www.iperhome.com

IPERHOME: FUNCTIONS

01. 
Lights and sockets
automation


To turn on or off the external and internal lights, the power sources of the sockets and the lights of the rooms depending on external conditions.

02. 
Shutters
automation

To control the opening and closing of shutters and blinds.

03. 
Light intensity
adjustment


To adjust the light intensity for any kind of lamp (directly or in programmed mode) thanks to a module that interfaces to many of the different dimmer types available.

04. 
Electric load
control

To control at any time the activation of the electric loads. This function can be programmed and timed.

05. 
Thermoregulation

A split management of the heating and conditioning systems provides the optimal temperature any time to every room.

06. 
Metering of energy
consumption

It is possible to check the instant consumptions of gas, water and electricity.

07. Digital video door phones

To connect the digital video-doorphones Urmet 2Voice and IPerVoice, and to benefit of all the services they imply.

08. Intrusion alarm

IT IS possible to connect the intrusion alarm, to manage and control its function remotely, and to programme it depending on the temporary environmental parameters.

09. Video surveillance

To manage the surveillance cameras and view the images also remotely.

10. Remote control

IPerHome can be connected to the Internet, to manage and set the functions from a PC, tablet, smartphone and smart TV through a simple web browser.

11. Music library management

You can store and play your favourite tracks and play lists through an audio system connected to the IPerHome server. Your tracks can be stored on a NAS linked to the home network, or on the hard disk of a Server Pro.

12. Technological alarms management

To receive an e-mail or SMS notification in case of a malfunction of one of the devices managed by IPerHome or in case of faults in the water, power, gas and other supplies.

CASE-SCENARIOS

Your house revolves around you.

IPerHome lets you set up the combined functioning of the devices controlled by the system to create your scenarios: from lights and appliances to the opening or closing of shutters and blinds; from the activation of conditioning system to the control of the security ones, like video surveillance and intrusion alarms. The scenarios can be activated as follows:

→ **Locally**: in case you don't have an IPerHome server, during the installation you can create fixed scenarios to activate through wall buttons or control monitors.

→ **Remotely**: using an IPerHome service and the interaction interface, you will be able to modify the settings through any fixed or mobile device connected to a web browser.

These are some of the scenarios you will be able to create:

SCENARIO 1



Good morning

Before you wake up, the system turns off the external lighting and sets climate control in the bathroom and kitchen; opens the shutters in the living area of the house and, after a few minutes, even the ones in the bedroom area. Power sockets of the coffee machine and TV in the kitchen are powered on. The perimeter intrusion alarm system is disabled.

SCENARIO 2



Cinema

The system turns off the lights in the bedroom area, powers on the home-theatre system, lights in the living room are soft and cosy; shutters close and perimeter security system is armed. The climate control system sets the right temperature according to the weather.

SCENARIO 3



Party

You go out: the system closes the shutters, the intrusion alarm system is on in perimeter and volumetric mode, lights are off and all electric items, except the fridge and the freezer, are powered off. The system arms external video surveillance and the internet connection that will allow you to check room and system status.

SCENARIO 4



Good night

The climate control system for the bedroom area of the house is specially set. The system closes the shutters, turns the lights off except, until a certain time and with a low intensity, the ones in the bedroom. The intrusion alarm system is armed in perimeter mode. The system starts the operating cycles of washing machine and dishwasher.

APPLICATIVE SOLUTIONS

Some examples.

With IPerHome, you will be able to select each function, or to start with one of the applicative solutions Urmet offers to the professional market.

A

Solution B

To control lights and shutters, but also to automatize the power of sockets and to save more energy. You can also regulate the light intensity of every light spot thanks to the introduction of dimmer modules. Moreover, you will be able to control the temperature in general or split mode.

Solution C

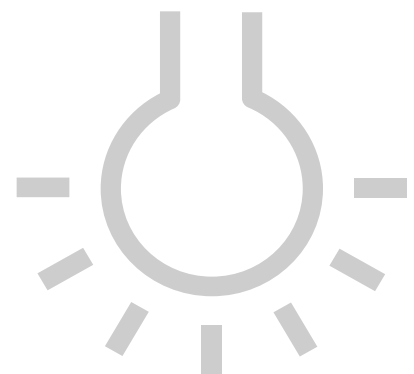
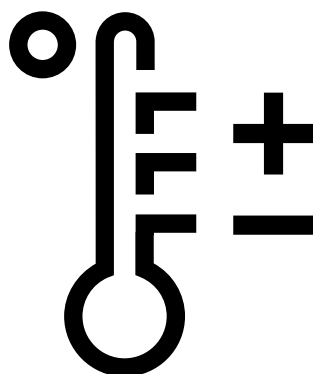
This setting offers all the functions of Solution B, plus the possibility of controlling the system through a video-doorphone monitor. The great advantage is the integration with Urmet digital video-doorphones systems 2Voice and IPerVoice.

Solution D

This Solution adds the management of the intrusion alarm and includes an IPerHome server that allows a dynamic setting of the scenarios, also connecting the home automation system to the Internet, thus enabling the remote control.

Solution E

All the communication and security functions are gathered within a unique and powerful system that integrates video surveillance, management of technological intrusion alarms and control of the music libraries. With this solution it is possible to integrate several building automation bus lines with different standards to create scenarios including all present bus lines.



Learn more on
www.iperhome.com

LOCAL CONTROL OF THE SYSTEM

Wall controls: simplicity at one click



It's easy to control IPerHome thanks to the normal buttons and wall control devices. A click is all it takes to activate a scenario, to modify the conditioning settings or to turn on and dim the lights. IPerHome is compatible with most of the wiring systems available on the market. Together with Simon Urmet's Nea system, it is possible to have elegant blue LED buttons that indicate the state of the associated function.

Monitor control: more powerful, more extended.



An Urmet Modò or i-Modò monitor will make your IPerHome experience even more enjoyable. The graphic interface is simple and intuitive. Moreover, besides the useful functionalities of the Urmet video-doorphones, the monitor offers the possibility of controlling the energetic consumptions, the video surveillance and to manage the system through a map of the house.

REMOTE CONTROL

For PC, smartphone, tablet and smart TV.

By connecting the IPerHome server to the Internet, you will be able to control your system wherever you are.

The IPerHome software allows control via Internet browser, and therefore guarantees universal compatibility, with non-up-to-date devices as well.

All functions of your IPerHome system are thus available through PC, tablet, smartphone and smart TV, via the web browser installed on the device used to establish the connection.

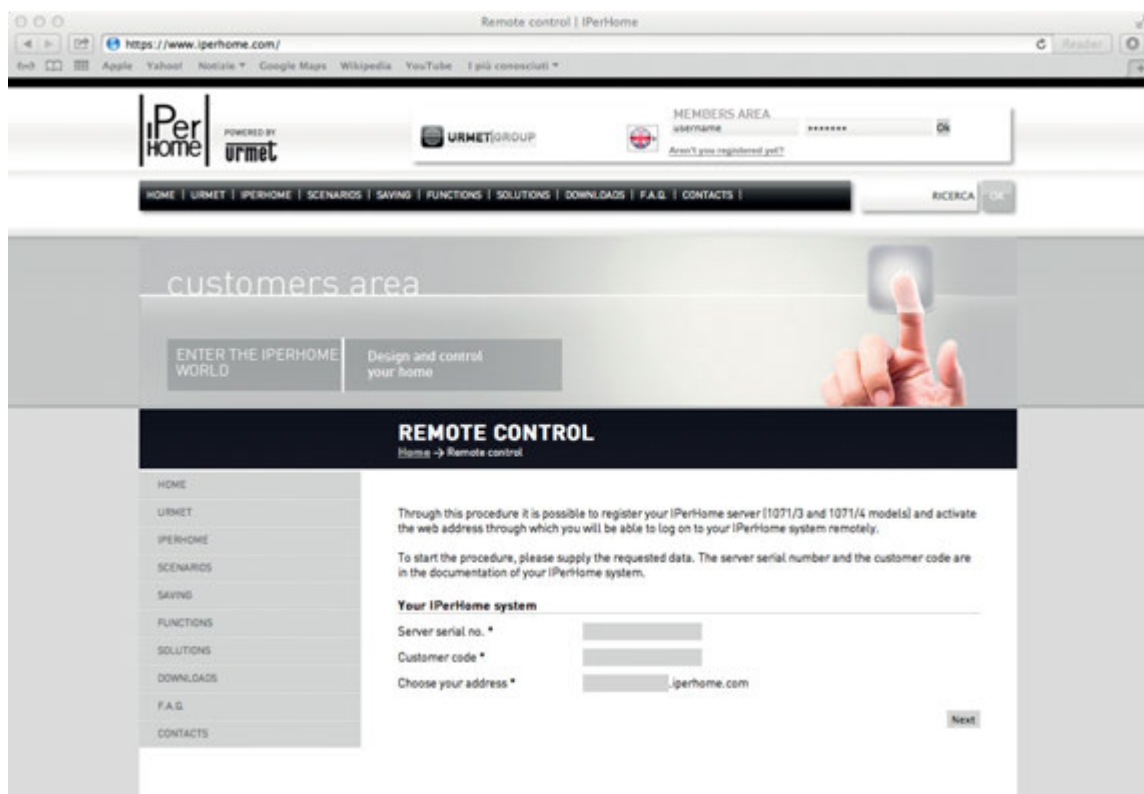


Plug & Play simplicity.

The iPerHome system can be completed with the Basic or Pro Server. Both of them connect the home automation system to the home LAN, to let you control your system from your PC, smartphone, tablet and smart TV. An internet connection will enable the remote control of the system.

Your house at a click of the mouse.

To enable the remote control, you can register a third-level domain `username.iperhome.com`. By browsing this address, you will access the system and the remote control through a safe and coded connection.



| iPer | Home

HOME AUTOMATION
SYSTEM

SIMPLE, COMPLETE, POWERFUL



12 integrated functions. **3,600** maximum extension meters, **600** system points, **8** environment maps, **48** scenarios, **2** further building automation bus lines, **2** control monitors, **infinite** possibilities of tailoring the system through dedicated scripts and macros, **without** any building work.



Ideal for

- Housing estates
- Villas
- Tertiary sector
- Accommodation structures

IPERBUS: DISTRIBUTED INTELLIGENCE

A simple and powerful design.

IPerHome works thanks to IPerBus, a field bus linking input modules (buttons and sensors) to output modules (relays and dimmers).



The input modules collect information from the outside (customers' control devices, programming settings, data detected by the sensors), and they turn it into commands that are sent through the bus. The output modules receive these commands and activate the linked devices (lights, sockets, shutters, systems etc.). The modules can be located in a DIN panel, in 503 boxes or in junction boxes. Power supply wiring can also be allocated on the output modules only. This brings two advantages:

- no need to choose a single kind of wiring
- possibility of installing the system on pre-existing systems

From one to infinite, IPerHome includes it all.

The simplest setting of IPerHome is a single low-cost solution: all it takes is a power supply, and an input module to control shutters and lights depending on whether or not somebody is in. You will be able to implement all the IPerHome functions by extending the bus wiring and installing further modules. Thanks to this versatile design, IPerHome is the simplest, more powerful and more customizable home automation system available on the market.

IPERHOME SIMPLIFIES THE INSTALLATION

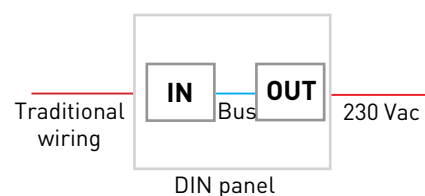
IPerHome simplifies home automation. The system creates an independent command structure that works in parallel with the associated traditional devices. Lights, sockets, shutters, conditioning units and any other systems can be wired and powered in the traditional way. Automation devices and systems can be implemented at any time.

For instance:

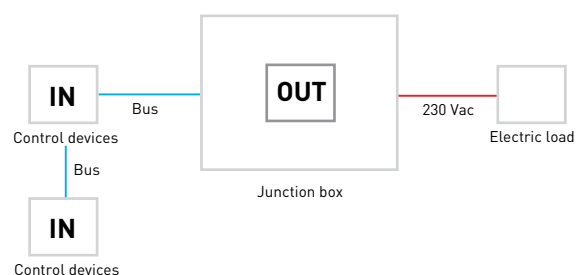
- Lights and dimmer: starting from the lamp, the cable reaches the output module in the electric panel or in the junction box instead of the switch or the relay directly. The output module is connected to the dimming/lighting command (input module) through the bus cable.
- Shutters and blinds: the motor cable is connected to the output module, which has the same kind of connection as the light system.
- Heating system: the boiler or the solenoid valves are linked to the specific output module instead of to the thermostat.

As far as the switches are concerned, two options are available:

1. For existing systems: classic wiring to the electric panel, where both the input and output IPerHome modules are installed.



2. For new systems: installation of an input module in the box, 3 modules, distribution of the bus cable only, which is far cheaper than traditional wiring.



IPERBUS: IPERBUS

CAN standard.

IPerBus is based on the CAN standard, widely used in the automotive sector to link and connect the devices on board. While the CAN standard has only two twisted wires, IPerBus needs two more wires to power up the modules. In order to build an IPerBus wiring, you need four cables (two pairs), two of which transmit the communication signal, and the remaining two powering up the modules.



In this case, more options are available:

- **KNX/EIB cable** allows to use the black/red cables for the bus, and the yellow/white ones for the power supply
- **CAT5 (1)** cable: the four pairs can be divided into one pair for the bus, and two groups of three cables for the power supply
- **Urmet VOP (2)** cable: manages the bus through the white/light blue cables, and the power supply with the red/black ones
- **Twisted pair**: can be used to create the bus with two traditional power supply cables.

Maximum distance covered depends on the type of cable chosen.

Data line maximum distance chart +B-B

	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)
	Cavo KNX diam.0,8mm	Cavo VOP 1074/903	Cavo 2Voice 1083/90	Doppino telefonico sez.0,6mmq	CAT5 4 doppini1	CAT5 3 doppini2	Cavo sciolto TWISTATO p.5cm sez.1mmq e sez.1,5mmq	Cavo sciolto sez.1mmq e sez.1,5mmq
Distanza	1200	1000	1000	750	750	750	500	250
<p>¹ Pair 1: +B, -B / Pair 2: +V, +V / Pair 3: -V, -V / Pair 4: -V, -V ¹ Pair 1: +B, -B / Pair 2: +V, +V / Pair 3: -V, -V / Pair 4: non connesso ² The 0,75 sq.mm. pair (white/pale blue) is used for +B-B, while the 1 sq.mm. pair (red/black) is used for +V-</p>								

BASE LOGIC: WIRING

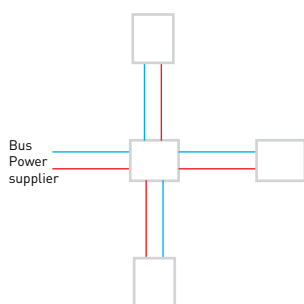
WIRING TYPE:

Through IPerBus you will be able to create all the wiring distributions to allow the highest adaptability of the system to any other installation.

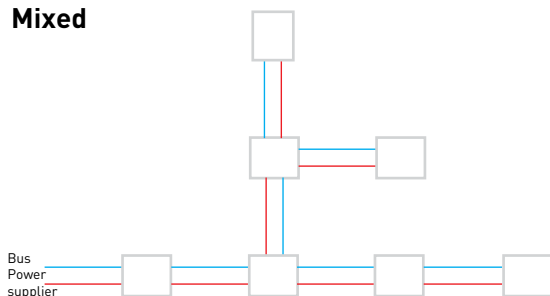
In line



Philips

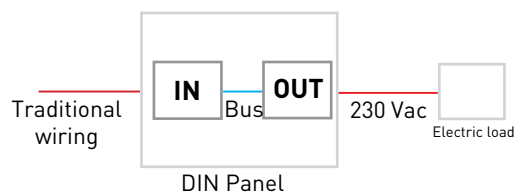


Mixed

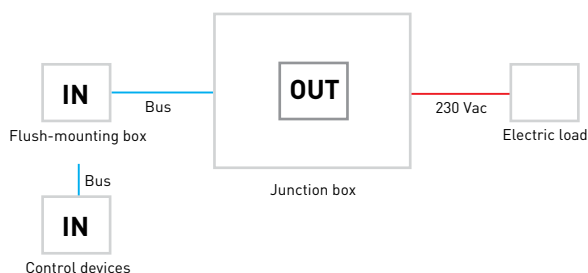


CONCENTRATED OR DISTRIBUTED

The wiring distribution of IPerBus can be designed depending on the features of the building, or on whether it is a renovation work or a new installation. Input and output modules are installed in a single point of the panel, from which the traditional wirings (towards switches and sensors) and power supply connections (towards electric loads) come out.



Flush-mounting or junction boxes: in a traditional wiring, the IPerBus modules can be installed in the junction boxes.



The Simon Urmet's Nea wiring systems allows you to install switches with an LED that informs the user about the functioning of the electric load. This function is particularly useful to create load commands far from the activation point, like external lights, sockets and blinds. The communication protocol collects the feedback from the output module that controls the final device, and manages the LED on the switch.

POWER SUPPLY AND DESIGN

Unit load

The IPerHome power supplier produces 100 unit loads (UC). Each module absorbs a given amount of CUs. Whenever the total amount of CUs absorbed by the system is higher than this figure, one or more additional power suppliers will be needed.

Power supply maximum distance chart +V -V, depending on the CUs absorbed on the line (with different types of cables)

CU	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(m)
	Cavo Sciolto sez. 1,5 mm ² TWISTATO e non	Cavo Sciolto sez. 1 mm ² TWISTATO e non	Cavo VOP 1074/90 ³	Cavo 2Voice 1083/90	CAT5 4 doppini¹	Cavo KNX diam. 0,8mm	CAT5 3 doppini²	Doppino telefonico sez. 0,6 mm ²
4	1170	785	665	665	395	375	300	225
6	780	525	445	445	265	250	200	150
7,5	625	420	357	357	213	200	160	120
10	465	310	267	267	161	150	120	90
15	325	215	180	180	107	100	80	60
20	245	160	133	133	80	74	60	45
25	195	130	107	107	64	59	47	36
30	162	108	89	89	52	49	40	30
35	139	93	76	76	45	42	34	25
40	122	80	66	66	39	36	30	22
45	109	72	59	59	35	33	27	20
50	98	65	53	53	32	29	24	18
55	88	60	48	48	28	26	22	16
60	81	53	44	44	26	24	20	15
70	70	45	38	38	21	20	17	13
80	60	40	33	33	19	19	15	11
90	55	36	29	29	17	17	13	10
100	48	32	26	26	15	15	10	9

¹ Pair 1: +B, -B / Pair 2: +V, +V / Pair 3: -V, -V / Pair 4: -V, -V
² Pair 1: +B, -B / Pair 2: +V, +V / Pair 3: -V, -V / Pair 4: non connesso
³ The 0,75 sq.mm. pair (white/pale blue) is used for +B-B, while the 1 sq.mm. pair (red/black) is used for +V-V

Dimensioning

Depending on the cable used, on the distance to cover and on the absorption of the devices to be installed, it is possible to draw up a list of the material needed, thus preparing the next installation precisely and completely.

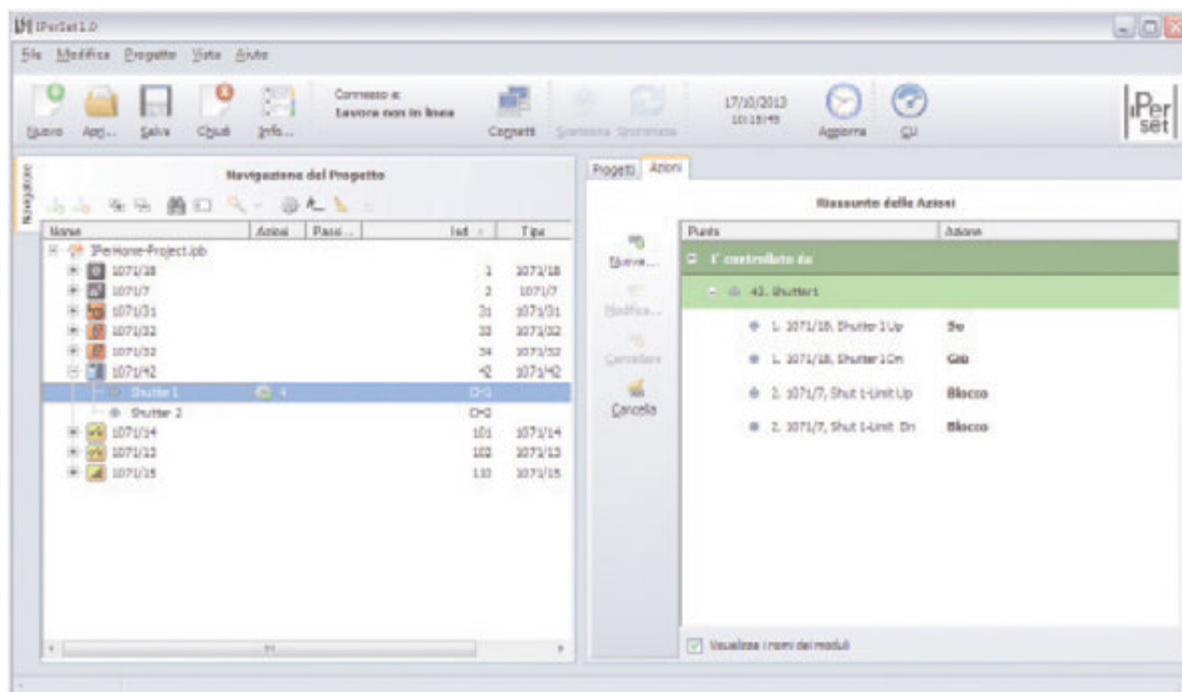
Maximum CUs absorbed by the powering lines chart +V -V, depending on the distances (with different types of cables)

(m)	CU	CU	CU	CU	CU	CU	CU	CU
	Cavo Sciolto sez. 1,5 mmq TWISTATO e non	Cavo Sciolto sez. 1 mmq TWISTATO e non	Cavo VOP 1074/90 ³	Cavo 2Voice 1083/90	CAT5 4 doppini ¹	Cavo KNX diam. 0,8 mm	CAT5 3 doppini ²	Doppino telefonico sez. 0,6 mmq
750	6	4	-	-	-	-	-	-
700	6,5	4,5	-	-	-	-	-	-
650	7	4,5	4	4	-	-	-	-
600	8	5	4	4	-	-	-	-
550	8,5	5,5	4,5	4,5	-	-	-	-
500	9,5	6,5	5	5	-	-	-	-
450	10,5	7	5,5	5,5	-	-	-	-
400	12	8	6,5	6,5	4	-	-	-
350	13,5	9	7,5	7,5	4,5	4	-	-
300	16	10,5	8,5	8,5	5,25	5	4	-
250	19	12,5	10,5	10,5	6,5	6	4,5	-
200	24	16	13	13	8	7,5	6	4,5
150	33	22	17,5	17,5	10,5	10	8	6
120	41	27	22	22	13,5	12,5	10	7,5
100	49	32	26,5	26,5	16	15	12	9
90	54	36	29,5	29,5	18	16	13	10
80	61	40	33	33	20	18	15	11
70	70	45	38	38	23	22	17	12,5
60	81	55	44,5	44,5	27	25	20	15
50	97	65	50	50	32	30	24	18
40	100	80	66,5	66,5	40	37	30	22,5
35	100	93	76	76	45	42	35	25,5
30	100	100	89	89	53	50	40	30
25	100	100	100	100	64	60	45	36
20	100	100	100	100	80	75	60	45
15	100	100	100	100	100	100	80	60
10	100	100	100	100	100	100	100	90

¹ Pair 1: +B, -B / Pair 2: +V, +V / Pair 3: -V, -V / Pair 4: -V, -V
¹ Pair 1: +B, -B / Pair 2: +V, +V / Pair 3: -V, -V / Pair 4: non connesso
³ The 0,75 sq.mm. pair (white/pale blue) is used for +B-B, while the 1 sq.mm. pair (red/black) is used for +V-V

PROGRAMMING THE SYSTEM

IPerSet

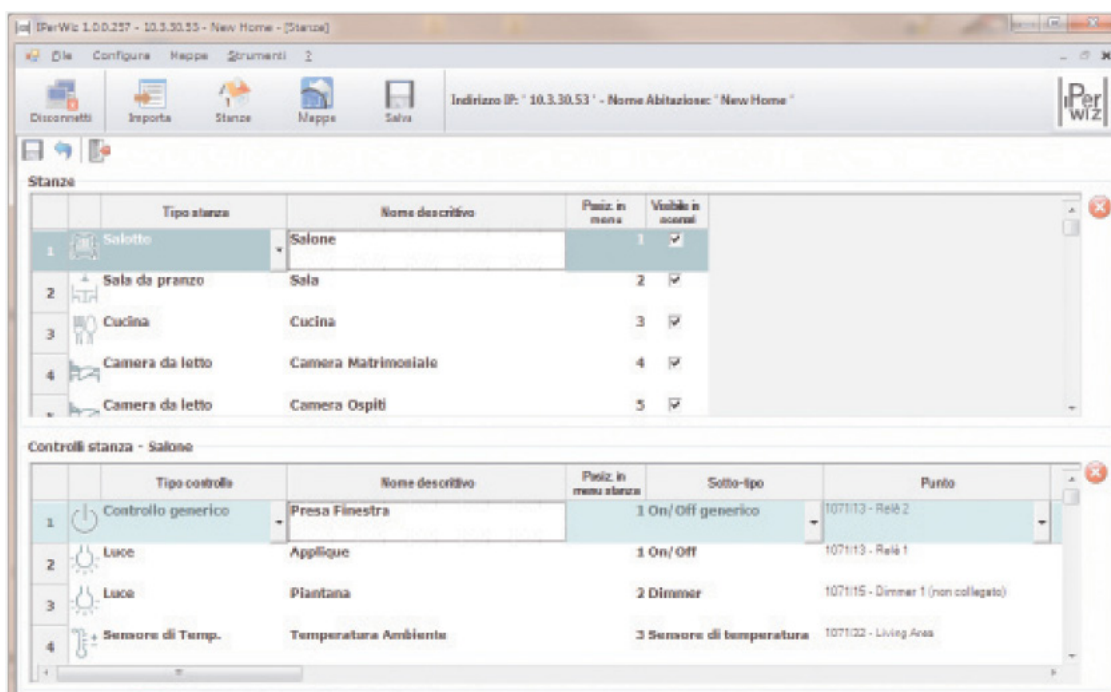


The IPerSet server manages the setting of the IPerBus.

Through this software, it is possible to:

- Identify the devices associated to the bus
- Determine the event-action link
- Assign the output actions to the input modules
- Set up the scenarios

IPerWiz



If the system is equipped with an IPerHome service, it is possible to use the IPerWiz software to set the graphic interface of the environments, that users will use to manage their IPerHome systems. IPerWiz allows to:

- Establish the rooms that will compose the environment
- Insert and set up the environment maps
- Distribute the graphic controls within the rooms, and associate them to the input and output modules of the bus
- Set up the IP cameras
- Set up the intrusion alarm system
- Set up the music library management

IPERHOME MODULES

Input modules



1071/18 – Module for eight control switches: the module detects the activation or deactivation of the wall switches, and sends the signal to the output modules through the bus. Each module of this kind connects eight switches (or four double-function switches), and thanks to its small size it can be installed in a three or four-module flush-mounting box, or to a 60 mm diameter one.

Dimensions (W x H x D) in mm: 40 x 30 x 14 - rated CUs: 1

simon
urmet



1071/17 – Notification LED: in case you are using the Simon Urmet's Nea wiring system buttons, you can use this device to receive from the switch a LED notification about the state of the system.



1071/7 – Seven-input module for consumption analysis: it connects seven switches, sensors or consumption detectors (or four of them, three of which with a double function) with an opto-isolated output, in compliance with the EN62053-21 standards. The module can connect to up to four detectors. A single module can therefore analyse the consumptions of electricity, water, gas, etc. To view the instant or definitive consumption data, it is necessary to connect an Urmet Modo or iModo monitor or an IPerHome server to the system, thus allowing the PC, tablet, smartphone and smart TV connection.

Dimensions (W x H x D) in mm: 36 x 58 x 90 - rated CUs: 3 - DIN modules: 2

Relay output modules



1071/11 – Single-output module 16A: a compact relay module that can be installed in three or four-module boxes, or in 60-mm ones, as well as in junction boxes.

It features two supplementary local inputs to control the relay in step mode.

Dimensions (W x H x D) in mm: 72 x 59 x 24 - rated CUs: 2.5



1071/12 – Double-output module 16A: the two-relay module can be installed in four-module flush-mounting boxes or in junction boxes. It can be used to manage two devices or to interrupt phase and neutral towards a single appliance. It features four local inputs to control the two relay in step mode.

Dimensions (W x H x D) in mm: 100 x 65 x 28 - rated CUs: 4



1071/13 – Generic four-output module: it is provided with four potential free relay contacts. It allows to control 230 Vac and low-voltage loads. In the first case, it can disconnect phase and neutral at the same time.

Dimensions (W x H x D) in mm: 72 x 58 x 90 - rated CUs: 6 - DIN modules: 4



1071/14 – Four outputs disconnecter module: it is similar to the 1071/13, but it was designed to distribute the (solid) neutral wire on four outputs and the phase towards four different loads through four 16A disconnecting relays. Input neutral and phase come from a single magnetothermic switch.

Dimensions (W x H x D) in mm: 72 x 58 x 90 - rated CUs: 6 - DIN modules: 4

IPERHOME MODULES

Light dimming and shutters control



1071/15 – Dimmer control module 0/1-10V: this module is provided with four analogue 0/1-10V outputs, and it allows to control up to four dimmers of the most common modules, fitting different types of lights (fluorescent, incandescent, energy-saving, LED-types, etc.).

Dimensions (W x H x D) in mm: 36 x 58 x 90 - rated CUs: 2.5 - DIN modules: 2



1071/42 – Two-motor DIN module: it can be installed on a DIN bar to manage two different motors. It receives phase and neutral from a magnetothermic switch, and manages every motor through three cables, controlling their interlocking.

Dimensions (W x H x D) in mm: 72 x 58 x 90 - rated CUs: 3.5 - DIN modules: 4



1071/43 – Single motor module: the module can be installed in the box instead of the DIN bar, and controls only one motor. It is equipped with two local control inputs that manage the motor in two directions and command its locking.

Dimensions (W x H x D) in mm: 72 x 59 x 24 - rated CUs: 2.5



1071/44 – Two-motor module: it is similar to module 1071/42, but it can be installed in the motor box instead of the DIN bar. It is equipped with two inputs for each motor, to obtain the two-direction local management. It controls the locking.

Dimensions (W x H x D) in mm: 100 x 65 x 28 - rated CUs: 4

Thermoregulation



1071/31 – Temperature regulator: it is similar to a programmable thermostat, it can be installed on three-module boxes and it is compatible with Simon Urmet's Nea wiring system, and with many of the most common wiring systems available. It can be installed on the most common wiring systems available on the market through specific adaptors. It allows to programme the time of activation of the conditioning system. The module connects through the bus to the temperature sensors, which in turn control the activation of the output modules linked to boiler, solenoid valves, pumps and air conditioners.

Dimensions (W x H x D) in mm: 66 x 44 x 50 - rated CUs: 1



1071/32 – Temperature sensor: compatible with Simon Urmet's Nea series, and with the most common ones. It measures the environment temperature in real time, and activates or deactivates heating and conditioning systems according to the set parameters. It sets a reference temperature for every hour and day of the week level through the regulator, choosing among:

- Night time
- Day time
- Comfort

It is possible to activate manually a specific function mode. If these devices are installed, programming and functioning will be managed through the 1071/31 regulator, or the graphic interface provided by the IPerHome server.

Dimensions (W x H x D) in mm: 22 x 40 x 49 - rated CUs: 0.5

IperHOME MODULES

Interface and power supply



1071/20 – Power supplier: accepts an input voltage of 100-240 Vac, and is installed on the DIN bar. It supplies 100 (unit loads) CUs. Each module absorbs a given amount of CUs. If the total absorption of the modules exceeds the maximum capability of the power supply, it is possible to install auxiliary power units.

Dimensions (W x H x D) in mm: 78 x 56 x 93 - DIN modules: 4.5



1071/55 – Modo interface: it connects to the Urmet Modo monitor to integrate Urmet's digital video-doorphones to IPerHome. The installation of this device will let you use the video door phone monitor to:

- Activate the scenarios through a simple and intuitive interface
- Manage the alarm signals sent to the Modo monitor and, if any, to the telephone exchange
- View the instant energetic consumptions of the energy meters connected to the 1071/7 modules

Dimensions (W x H x D) in mm: 40 x 30 x 14 - rated CUs: 0.5



1071/56 – Bus interface configuration tool: is installed in the electric panel, and is equipped with a USB port to connect to the PC. By installing the IPerSet software on the PC, it will be possible to set up the entire system. It works as an interface between the bus and the server (if any)

Dimensions (W x H x D) in mm: 36 x 58 x 90 - rated CUs: 1 - DIN modules: 2



1071/62 – Intrusion alarm interface: through an RS485 interface, it lets you connect the Urmet 1067 and Elkron MP504 and MP508 system to the server (if installed). In this way, intrusion alarm and IPerHome will be perfectly integrated, and it will be possible to control the state of the systems through an iModo monitor or a local or remote terminal.

Dimensions (W x H x D) in mm: 109 x 91 x 30

Server and monitor



1071/3 – Basic Server: the first server to introduce you to the IPerHome advanced functions. It can be installed on a DIN bar as well. It can be linked to IPerBus through the module 1071/56, and to the intrusion alarm control unit through the 1071/62 module. It allows to:

- Connect the system to the Internet, thus enabling the remote control
- Manage the video surveillance camera in snapshot mode
- Manage the music libraries uploaded on the NAS
- Manage 100 points, 3 maps, 8 scenarios
- Connect up to 2 users at the same time
- Program the scripts and ad hoc macros developed by Urmet technicians
- Perform the programming through scripting

Dimensions (W x H x D) in mm: 66 x 112 x 34 - DIN modules: 4



1071/4 – Server Pro: it is a fanless PC with Atom processor and Windows operative system. It connects to the IPerBus through the 1071/56 module, and to the intrusion alarm control unit through the 1071/62 one. The server can be installed also on the DIN bar. It offers all the Server Basic advantages, plus:

- Management of the graphic maps
- Management of more scenarios and controls at the same time
- Management of two more bus besides IPerBus
- Data storage hard disk
- Management of 600 points, 8 maps, 48 scenarios
- Up to 4 users connected at the same time
- Bus managed: IPerBus, KNX, Dali, Modbus TCP, Modbus RTU, IRTrans, Lutron

Dimensions (W x H x D) in mm: 170 x 40 x 110 - DIN modules: 5



1717/12H – Modo: A 7" screen, touch-screen interface is the perfect accessory to complete Urmet's digital video-doorphones 2Voice and IPerVoice. If associated to IPerHome, it allows a quick activation of the scenarios and the displaying of the technological alarms.

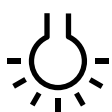
Dimensions (W x H x D) in mm: 220 x 129 x 35



1717/2 – i-Modo: IP technology monitor, 7" screen, Wi-Fi connectivity, touch-screen interface and exceptional multimedia functionality. i-Modo is pure communication freedom, ultimate image quality, safety and comfort as it allows to manage the video surveillance and lift systems all-in-one.

Dimensions (W x H x D) in mm: 225 x 134 x 35

COMBINING FUNCTIONS

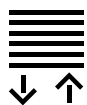
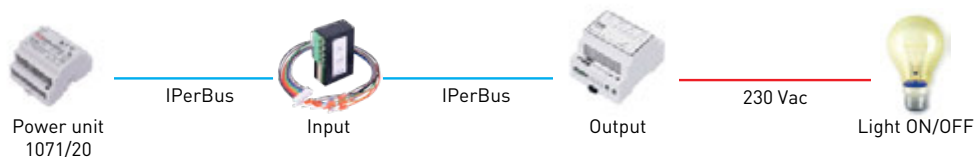


Functions

01. Automation of lights and sockets

For this function, four devices are needed:

- Power unit 1071/20
- 1071/18 or 1071/7 input module
- 1071/13 or 1071/14 or 1071/11 or 1071/12 output module
- LED indicators 1071/17

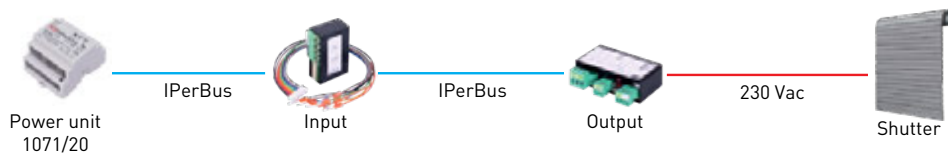


Functions

02. Shutters Automation

It is possible to keep the first part of the system, and to replace the output module with a specific one.

- Power unit 1071/20
- 1071/18 or 1071/7 input module
- 1071/42 or 1071/43 or 1071/44 output module





Functions 03. Adjustment of light intensity

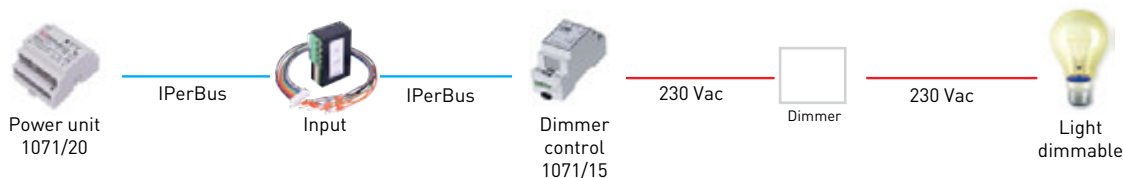
It works similarly to the light automation system. The only thing that changes is the output module, which is specific for this function and can be linked to the most common dimmers on the market.

→ **Power unit 1071/20**

→ **1071/18 or 1071/7 input module**

→ **Dimmer controller 1071/15**

→ **Dimmer**



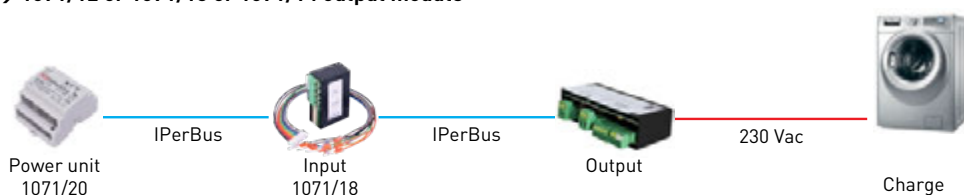
Functions 04. Electric load control

To control the single electric loads and gain benefits as far as energy saving is concerned, it is possible to use a 1071/12 output module, which can be installed also in a junction box.

→ **Power unit 1071/20**

→ **1071/18 input module**

→ **1071/12 or 1071/13 or 1071/14 output module**

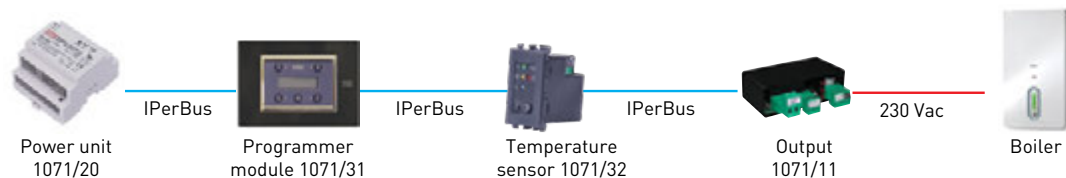


COMBINING FUNCTIONS

Functions 05. Thermoregulation

The programmer interacts with the temperature sensor, which in turn controls an output module connected to a boiler, a pump or a solenoid valve:

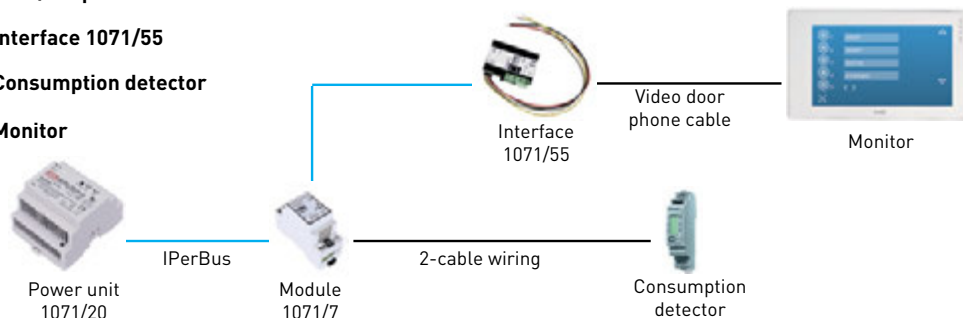
- Power unit 1071/20
- Programmer module 1071/31
- Temperature sensor 1071/32
- 1071/11 or 1071/13 output module



Functions 06. Metering of energy consumption

It is possible to connect up to 4 consumption detectors to module 1071/7 in order to control the consumption of electricity, gas and water. By linking an Urmet Modio monitor to the interface module 1071/55 it is possible to view the data in real time.

- Power unit 1071/20
- 1071/7 input module
- Interface 1071/55
- Consumption detector
- Monitor





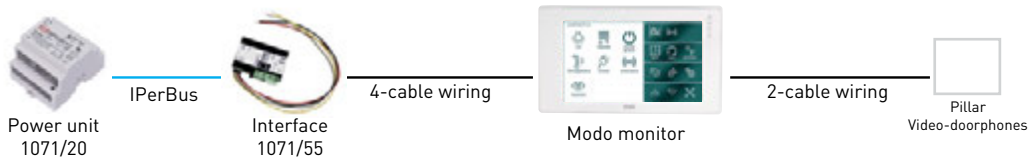
Functions

07. Digital video door phone functions

IPerHome connects Urmet's digital video-doorphones 2Voice and IPerVoice.



All it takes is a Modo monitor connected to the 2Voice pillar and to the 1071/5 module



You will need an IPerHome server to interface the video door phone system to the IP net of your house

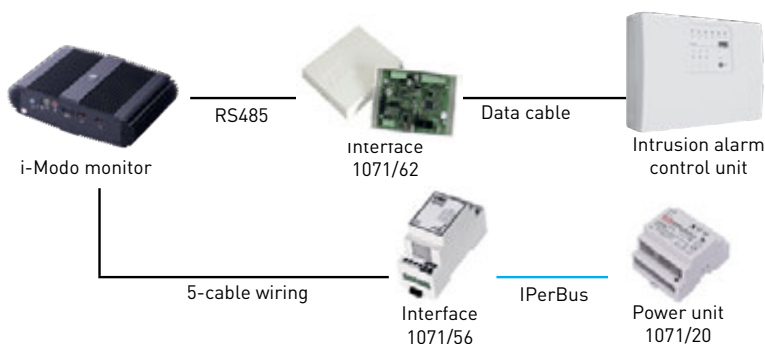


Functions

08. Intrusion alarm

Thanks to the interface module 1071/62, it is possible to connect the following systems to the server:

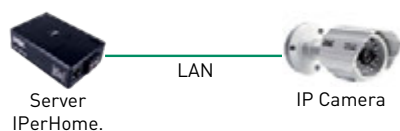
- **Urmet 1067**
- **Elkron MP504**
- **Elkron MP508**



COMBINING FUNCTIONS

Functions 09. Video surveillance

To enable the video surveillance function, connect one or more IP cameras the IPerHome server through the home LAN.



Basic server 1071/3 supports the image visualization only in snapshot mode, while Pro server 1071/4 is compatible with the FTP protocol as well.

Functions 10. Remote control

IPerHome servers are equipped with an RJ45 port that connects them to the LAN and to the ADSL modem, if present. Once the server is recorded on the IPerHome portal, any user can access directly their system through the chosen web address (for example: <https://famigliarossi.iperhome.com>), and control its parameters wherever they are.





Functions

11. Music library management

IPerHome servers can play music tracks uploaded on NAS (with Basic server 1071/3) or on an internal hard disk (Pro server 1071/4). These devices connect through Ethernet wiring.



Functions

12. Management of technological alarms

On the chance of malfunctioning or damage of part of the system, IPerHome will send a notification e-mail or SMS.

URMET GROUP SYSTEM KEYPAD

Digital video door phone functions



2Voice. 2 wires everywhere, advantages any way you look at it.

2Voice is the highest performance non-polarized 2-wire system in its category, offering free intercom, two door control, door open warning, exchange, security cameras which can be viewed from video-doorphone monitors.

2 non-polarized wires everywhere, for a quick and easy installation. Perfectly suitable for any kind of residence, from villas to housing estates: 4 main inputs, 32 pillars, 128 users per pillar, for a total amount of 4,096. Free intercommunication system with 4 parallel monitors, integrated video surveillance, second access management.

To learn more, please visit www.2voice.it



IPerVoice: IP communication

IPerVoice: The IP system with CAT5/5e/6 UTP cable and fibre optics for unlimited expansion and users. With IPerVoice, you will be able to control the video surveillance, intrusion alarm, accesses, lifts and telephone exchange also through VoIP terminal.

Unlimited users, pillars, switchboards and conversations. It can be used with optical fibres. It is the best solution for big housing estates with high integration needs (access control, telephone switchboards, intrusion alarms, video surveillance, intercommunicating system). Self-diagnosis system to check the state of the system.

To learn more, please visit www.ipervoice.it

Digital intrusion alarm



Elkron MP500 System

The intrusion alarm 500 is the Elkron's solution for systems of any size. It is equipped with control units expandable to up to 64 input ports, interactive, multimedia and that can be managed remotely thanks to the "Hi-Connect" software, that makes it suitable for buildings that need top security. The new complete range is even more flexible, as it also includes small systems that can be installed in residential and tertiary sector buildings.



To learn more, please visit www.elkron.it

URMET GROUP SYSTEM INTEGRATION

Video surveillance



IP systems

Urmet offers a wide range of products for video surveillance, which suite the IP infrastructures: camera and optical units, recording units, monitors and what it takes to build fully-equipped systems integrating different technologies in Standard Definition, HD 720p and Full-HD 1080p. Urmet video surveillance means technological power, design freedom and easy installation.

The range is composed by camera units, DVR, lenses and data transmission systems. It makes it possible to build systems that suit any application, from houses to small commercial activities and structures that need highly specialized security systems, like museums, airports and public areas.

The range covers 3 levels: Entry Level, Full Level, High Profile.

Every level includes products that are grouped depending on similar characteristics and performances.



Entry Level



Full Level



High Profile



Urmet video surveillance is available also in handy kit solutions that contain all the necessary to build a complete and expandable system.

To learn more, please visit www.urmet.it

Wiring systems and automation



 **Aprimatic**

Aprimatic. The automation champion.

Aprimatic is the reference brand in Italy and Europe for access automation systems. Its 20 years of presence and experience on the market, as well as the know-how of designers, technicians, testers and consultants guarantee the highest performances, product reliability and long value during the time. Nowadays, Aprimatic is the only brand that offers products for all the automation systems, thanks to a complete offer that covers all the possible applications with solutions that meet the requirements of residential, commercial and industrial buildings, as well as of public areas.

To learn more, please visit www.aprimatic.it



 **simon
urmet**

Nea wiring system by Simon Urmet. One system, three designs, all functions

Nea is the answer to all the needs of a modern electric system. It provides both standard and advanced functions, and it is available in five colours: etched white and charcoal, ice white, dark steel and polished aluminium. Three possible designs: Expi, Flexa and Kàdra. As always, this system is perfectly in line with the rest of Urmet's communication and security systems and devices.

To learn more, please visit www.simonurmet.it

APPLICATIVE EXAMPLES

Flat - 60 sq. m



ALL THE COMFORT IN A KIT

Also a normal flat can benefit from the advantages brought by home automation.
Through the IPerHome kits, Urmet means to make comfort accessible by everybody.

The starting IPerHome setting will give you:



01. Automation of lights and sockets



02. Automation of shutters

Advantages:

- Easy installation: no building works or moving of the existing wirings
- Compatibility with the wiring systems of the flat
- Wall switches control
- The possibility of setting-up scenarios
- Better energy saving

Supplied items:

- Input modules to receive the user's commands
- Output modules to control relays and switches, or shutters and blinds' motors
- IPerHome power supply

APPLICATIVE EXAMPLES







Loft - 80 sq. m



STAY ALWAYS CONNECTED TO YOUR HOME

IPerHome is so simple and powerful that can be easily installed no matter how specific requirements and needs of the customers are.

This modern flat, for instance, is equipped with the following functions:

-  01. Automation of lights and sockets
-  02. Automation of shutters
-  03. Adjustment of light intensity
-  05. Thermoregulation
-  07. Digital video door phone functions
-  10. Remote control

Advantages:

- Remote control of the home
- Integration with the digital video door phone system
- Control of scenarios and system settings through the video door phone monitor

Supplied items:

- Input modules to receive the user's commands
- Output modules to control relays, switches or motors
- Lights dimmer
- Interface module for the video door phone system
- Basic IPerHome Server
- IPerHome power supply
- Temperature regulator and sensor

APPLICATIVE EXAMPLES

Flat - 120 m²













THE JOY OF LIVING

A bigger house offers more opportunities to use the spaces, and therefore needs more security and energy saving.

With IPerHome it is possible to integrate all these functions to fully enjoy your house.

The functions of this specific setting are:

-  01. Automation of lights and sockets
-  02. Automation of shutters
-  03. Adjustment of light intensity
-  04. Electric load control
-  05. Thermoregulation
-  06. Metering of energy consumption
-  07. Digital video door phone functions
-  08. Intrusion alarm
-  10. Remote control
-  11. Music library management

Advantages:

→ Complete control of the house

Supplied items:

- Input and output modules to manage lights, dimmers and tubular motors of shutters and blinds.
- i-Modo monitor with IPerVoice interface module
- Consumption detectors
- Temperature sensors and environment regulators
- Interface module for the intrusion alarm Urmet 1067
- Basic IPerHome Server
- IPerHome power supplies, depending on the CUs absorbed

APPLICATIVE EXAMPLES













Detached house



HOME AUTOMATION TO ITS TOP

The most valuable houses have wide spaces both inside and outside. This is why they can benefit from the installation of a system like IPerHome, most of all as far as security (both active and passive) and energy saving are concerned.

This example illustrates the highest performances of the system and offers the best advantages to the customers:

-  01. Automation of lights and sockets
-  02. Automation of shutters
-  03. Adjustment of light intensity
-  04. Electric load control
-  05. Thermoregulation
-  06. Metering of energy consumption
-  07. Digital video door phone functions
-  08. Intrusion alarm
-  09. Video surveillance
-  10. Remote control
-  11. Music library management
-  12. Management of technological alarms

Supplied items:

- Input and output modules to manage the devices
- Modo module with 2Voice interface module
- Consumption detectors
- Temperature sensors and environment regulators
- Interface module for the intrusion alarm Urmet 1067
- IPerHome Pro Server
- IPerHome power supplies, depending on the CUs absorbed

APPLICATIVE EXAMPLES








Commercial activities



MORE ATTENTION TO THE CUSTOMERS, MORE SECURITY TO THE MANAGER

Installing IPerHome in a shop or in a public activity makes management easier and more secure, also improving the customer's experience. The ad hoc combination of IPerHome functions creates cosy and suggestive atmospheres. And when the evening comes, managers can go home safe and secure.

The starting setting of IPerHome offers automated lights and shutters.

-  01. Automation of lights and sockets
-  02. Automation of shutters
-  03. Adjustment of light intensity
-  05. Thermoregulation
-  08. Intrusion alarm
-  09. Video surveillance
-  10. Remote control
-  11. Music library management

Advantages:

- Scenarios that customize the environments
- More security and remote control

Supplied items:

- Input and output modules to manage the devices
- Nea wiring system by Simon Urmet with Expì design and LED feedback buttons
- Modo monitor to control scenarios and video surveillance
- Temperature sensors and environment regulators
- Interface module for the Elkron MP500 intrusion alarm
- Basic IPerHome Server
- IPerHome power supplies, depending on the CUs absorbed

SALES NETWORK

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