

MetaSystem Homealarm

C300 System



META
SYSTEM®

WIRE - LESS SYSTEM



Unmistakable _____ Safety



In a society overrun by the usual variety of home alarm systems, there is finally something new: the wire-less
MetaSystem HomeAlarm C300.

The flashing circular outdoor siren is the unmistakable sign that one of these systems is guarding your home. With a particularly innovative and attractive design, it acts as a perfect deterrent but this is only one of the many "extras" that **MetaSystem HomeAlarm** possesses.

A favourable quality to price ratio thanks to MetaSystem's tried and tested experience in the car security and alarm sector. A quick and simple installation with no wires (the peripheral devices are all linked by random rolling code radio signals and by auto-learning process), plus a full range of protection and alarm signalling devices (sensors, sirens, telephone diallers) make this home alarm system an exclusive and avant garde product.

Utmost security needs the highest technology....

MetaSystem Technology



RESEARCH AND DEVELOPMENT

The Research and Development department uses computerised methods and avant-garde technology to meet and often anticipate specific demands from the market. The work carried out in this department is very comprehensive as the design engineers are involved with all aspects of project development. MetaSystem has its own metrology laboratory where all tests required, to have the products approved, are carried out. Electromagnetic compatibility and susceptibility are checked and analysed (CE self-certification) in full compliance with the restrictive civil, industrial and automotive standards enforced by the various countries.



POWER SUPPLY ELECTRONICS

This sector mainly deals with power supply systems, particularly uninterruptible units. These products are the ideal solution when it comes to providing power for all types of electronic equipment in the computer, telecommunications, security and industrial automation fields. MetaSystem is at the very top of its field and offers

a family of patented expandable, modular products able to meet the most varied market demands.

HIGH FREQUENCY EQUIPMENT

The philosophy of MetaSystem has been indelibly marked by the experience acquired by this division which, right from the very time the company was established (1973), has been planning and producing solid state transmitters with power ratings ranging from 250 W to 10 kW. This experience gives an unrivalled and competitive advantage when it comes to the transmission of radio-frequency signals used for both automotive and domestic purposes.



CONSUMER ELECTRONICS

In-house design and production of widely-used, high-technological products is MetaSystem's forte. The product range includes alarms and anti-theft systems for cars and motorcycles, active safety systems for vehicles (reversing sensors for parking, vehicle status signalling pagers, traffic management aids), electronic antennas for cars and RF amplifiers. Experience with these types of products has been of fundamental importance for MetaSystem, allowing the company to begin work in the complex field of domestic and industrial alarm systems and to offer reliable and competitive products.



AUTOMOTIVE SECTOR



This division plans and produces electronic devices for Car Manufacturers (OEM) to install on-line. Competence, on-going research, certifications, automated production processes and massive investments have allowed MetaSystem to become extremely successful in a market known to be difficult to penetrate due to the highest technological requirements required by its customers. The current range of Automotive products include immobilisers, remote monitoring and control devices, ultrasonic volumetric protection units, alarm systems, monitoring devices for air conditioning systems and alarm sirens with serial connections.

MetaSystem Quality



CERTIFICATION OF THE QUALITY SYSTEM

MetaSystem has striven for quality for many years, knowing that the future can only be faced through optimum efficiency. This is why each individual activity is carried out in compliance with the criteria and methods defined in the Quality Manual, Procedure Manuals and in the Relative Work Instructions.

To confirm the validity of this company policy, since 1996 MetaSystem's Quality System has been ISO 9001 certified (planning – production – marketing) by a primary European authority, DET NORSKE VERITAS. Increasingly closer collaboration with car manufacturers has also allowed the company to develop its own Quality System and to obtain AVSQ94 certification (required in order to be accredited as suppliers to car manufacturers).

SCHUH optic test



All MetaSystem products are fully tried and tested by computerised systems. To obtain quality, reliability and efficiency without penalising costs, the production and testing

QUALITY CONTROL

processes are considered of primary importance right from the planning phase.

The products are designed to optimise all the different processing phases right through to final testing. To constantly improve the production standards, all circuit boards are normally subjected to a computerised optic test. Automation of the TESTING procedures guarantees reliability and repeatability of the specifications.

The tests researched and set-up by MetaSystem's R & D department guarantee a personalised and flexible test phase that assures Total Quality.



Automotive test

QUALITY

Innovation

C300 - Secure two-way

- *Periodic transmission of control unit acknowledgement and alarm activation*
- ▲ *Periodic transmission of alarm signalling device's acknowledgement*

C388 'HOME THEATRE' SIMULATOR
(with Italian type electrical outlets)

C335
REMOTE CONTROLLED
FLASHING OUTDOOR SIREN



Random transmission to
switch on lights

C301
ALARM
CONTROL UNIT



TELEPHONE
LINE



Calls preset
numbers



C343 TRANQUIZZO

TELEPHONE DIALLER /
TELE-ASSISTANCE

C2102P

REMOTE CONTROL



Two-way repetition of radio
signals and radio link
for remote sensors



C321
REMOTE PROTECTION
SENSORS



C340
SIGNAL REPEATER

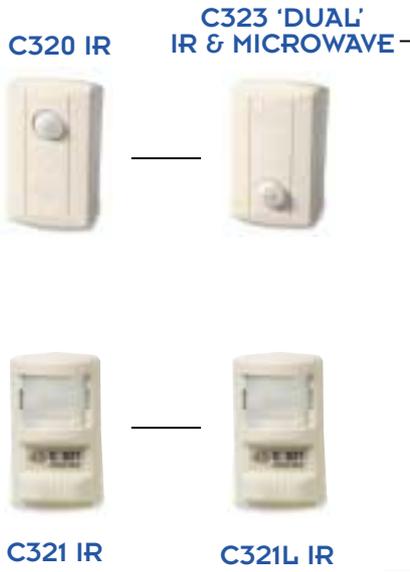


C2500
REMOTE CONTROL
to arm/disarm C301
alarm control unit

WIRE FREE SYSTEM

Day communication

VOLUMETRIC SENSORS



Alarm and low battery transmission

Alarm and low battery transmission

Alarm and low battery transmission



C328
ROLLER SHUTTER SENSOR

Alarm and low battery transmission



C318
'SUPERVEGLIA'
ENTRANCE ALARM

Alarm and low battery transmission



C327
MAGNETIC



C325
SHOCK



C322 'DUAL'
MAGNETIC & SHOCK
PERIPHERAL SENSORS

C319
REMOTE LED
Indicates the arm/disarm status of C301 alarm control unit

"Gas detected" transmission



C360 CO
CARBON MONOXIDE SENSOR

"Gas detected" transmission

TWO - WAY SYSTEM



C2500 REMOTE CONTROL

Thanks to radio signals based on a rolling code random algorithm, the C2500 remote control enables the alarm system, managed by the C301 control unit, to be armed and disarmed.

The same remote control can be used to activate the panic function even when the system is off (the C301 control unit accesses the alarm status, activates its internal and external sirens, and any telephone dialler).

Its small and lightweight design make it an ideal key-holder.





The alarm control unit is fitted with piezoelectric siren, keypad and display, self-protecting device, a two-way radio frequency peripheral interfacing system based on random rolling code, self-learning code system (to add protection sensors, alarm signalling devices and remote status LED) plus an operating mode management system and self-powering system (if the mains power fails, the C301 control unit's autonomy exceeds 24 hours and can be extended up to 48 hours with additional NiMH batteries).

The main feature of the C301 control unit is its **two-way radio communication interface** with the alarm system's peripherals. This interface checks if any attempt is being made to jam the system and ensures the peripherals are operative and functioning correctly.

A number of peripherals (external siren and telephone dialler) are able to carry out the same type of checks as the control unit, automatically triggering the alarm in the event of faults or jamming.

The security offered by the random rolling codes not only lies in the very high number of codes available (each transmission has 64 bits - i.e. about 72 million billion different codes), but above all in the algorithm that determines the code to be transmitted, which changes each time and can never be repeated.

The C301 control unit is pre-engineered to handle a maximum of 32 remote devices using coded radio signals. The system can also be segmented into four zones. Volumetric and/or peripheral devices (infrared, shock and magnetic sensors), external sirens (wired or remote-controlled), Superviglia (entrance alarm) and telephone diallers are also able to accomplish tele-assistance functions and can be combined with the C301 control unit.

The C301 control unit can be controlled either via the keypad or a remote control, allowing the user to choose between total or partial setting and allowing the panic function to be activated even when the system is off.

C320 INFRARED VOLUMETRIC SENSOR



Wire-less device to protect small areas thanks to a passive infrared sensor that detects the heat produced by a moving human body.

The C320 Sensor transmits the alarm signal to the alarm control unit by means of random rolling code radio signals and is powered by an ordinary 9V alkaline battery.

Operating autonomy is ensured by a variable immunity system which, using a suitably programmed microprocessor, adapts the surveillance times of the device according to the number of people occupying the room.

The device is fitted with alarm activation and battery low signalling LED plus a self-protecting micro switch. A practical rotating support can be supplied (C220) as an option.



C321 and C321L INFRARED VOLUMETRIC SENSORS

Wire-less device to protect given areas thanks to passive infrared sensor that detects the heat produced by a moving human body.

The C321 and C321L Sensors transmit the alarm signal to the alarm control unit by means of random rolling code radio signals and are powered by an ordinary 9V alkaline battery.

Operating autonomy is ensured by a variable immunity system which, using a suitably-programmed microprocessor, adapts the surveillance times of the device according to the number of people occupying the room.

The device is fitted with alarm activation and battery low signalling LED plus a self-protecting micro switch. A practical rotating support can be supplied (C220) as an option.

The characteristics of the C321L version are identical to those of the C321 sensor, apart from having an optimised range coverage for use in long and narrow areas (e.g. corridors).



C323 'DUAL' IR & MICROWAVE VOLUMETRIC SENSOR



Dual-technology wire-less device for domestic protection using a passive infrared sensor (able to detect the heat of the human body in movement) combined with a microwave movement detector.

It is fitted with a dual anti-jamming filter and adaptive alarm detection/inertial logic, which evaluates turbulence in the surrounding environment and autonomously sets the device in low absorption and maximum reactivity conditions.

The C323 sensor transmits the alarm to the control unit using random rolling code radio signals and is powered by an ordinary 9V alkaline battery.

Operating autonomy is ensured by a variable immunity system which, using a suitably-programmed microprocessor, adapts the surveillance times of the device according to the number of people occupying the room. The device is fitted with alarm activation and battery low signalling LED plus a self-protecting micro switch. A practical rotating support can be supplied (C220) as an option.



C360 CO CARBON MONOXIDE SENSOR

This sensor benefits from the latest photoelectric cell technology, which guarantees correct operation with an extremely low power drain. This battery-powered device can therefore be used for at least five years without needing to be serviced.

When carbon monoxide is detected, an alarm is transmitted to the control unit by means of a coded radio signal. The device can also be used on its own thanks to its powerful acoustic alarm.



C322 'DUAL' MAGNETIC & SHOCK PERIPHERAL SENSOR



Wire-less device to protect doors, windows and glazed areas by detecting attempts to either open (using the magnetic sensor) or break (using the piezoelectric shock sensor).

The C322 Dual sensor transmits alarm signals to the alarm control by means of random rolling code radio signals and is powered by two ordinary 3V lithium batteries (supplied with the sensor).

C322 has a trimmer to regulate the level of sensitivity to vibration and impact and is able to communicate its low battery status to the C301 alarm control unit.



C325 SHOCK PERIPHERAL SENSOR



Wire-less device to protect windows and glazed areas by detecting breakage (by means of a piezoelectric shock sensor).

The C325 Shock Sensor transmits alarm signals to the alarm control unit by means of random rolling code radio signals and is powered by two ordinary 3V-lithium batteries (supplied with the sensor).

The C325 has a trimmer to regulate the level of sensitivity to vibration and impact and is able to signal to the alarm control unit C301 low battery status.

C327 MAGNETIC PERIPHERAL SENSOR



Wire-less device able to detect attempts to open doors and windows (by means of a magnetic sensor).

Magnetic sensor C327 transmits alarm signals to the alarm control by means of random rolling code radio signals and is powered by two ordinary 3V lithium batteries (supplied with the sensor).

The C327 is able to signal to the alarm control unit C301 low battery status and the condition of closed/open window (or door) protection, so that the unit will inform the user during the arming of the system.



C328 ROLLER SHUTTER PERIPHERAL SENSOR

Wire-less device that detects attempts to raise or lower (at least 6 cm) roller shutters and vertically sliding blinds by a special retracting cord sensor.

Roller shutter sensor C328 transmits alarm signals to the alarm control by random rolling code radio signals and is powered by two ordinary 3V-lithium batteries (supplied with the sensor).

The sensor is also equipped with wind-shielding protection to prevent false alarms if the blind moves for natural reasons and is able to signal low battery status to the control unit.





The coded radio signal repeater of the C300 system is installed between the C301 alarm control unit and those peripherals, which, due to their location, have difficulty in interfacing with the control unit itself.

The C340 repeater is also an autonomous alarm detector, as it is fitted with a volumetric infrared sensor able to detect the heat emitted by the human body in movement.

The C340 repeater enables the alarm system to be extended to rooms some distance from the C301 control unit, and makes a two-way check of the random rolling code signal transmissions between the control unit and the peripherals.

If one of the system's components has difficulty in receiving a signal, the C340 repeater intervenes by re-transmitting the signal and checking that the relative transmission has been successfully completed.

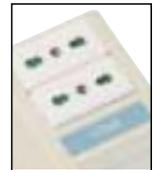


This device can operate at either 12 or 24V (normally the entrance doorbell voltage rating) and signals the armed or disarmed status of the C301 alarm control unit by means of LEDs.

The remote status LED C319 is particularly useful since, besides indicating by means of random rolling code radio signals the status of the C301 alarm control unit, it also acts as a valid deterrent.



C388 'HOME THEATRE' SIMULATOR



This device can simulate the presence of persons in a house by timed and random activation of the electrical appliances to which it is connected.

The C301 alarm control unit can activate or deactivate C388 by means of random rolling code radio signals. When the alarm system is disarmed, C388 acts like a normal power socket.

Note: with Italian type electrical outlets



C33 WIRED FLASHING OUTDOOR SIREN



Deterrent device with high-efficiency LED indicator light and electromagnetic siren for outdoor installation.

The C33 Flashing siren is wired to the C301 alarm control unit and includes a rechargeable internal battery to ensure it remains operative even during a lengthy power cut.

The device either activates following a command from the C301 alarm control unit or automatically if an attempt to force open the cover is detected by the special anti-tamper device.

The product is completely hermetic (totally resin-treated electronic circuits) and this coupled with the attractive design of the optic and acoustic signalling devices make it a unique product.



C335 REMOTE CONTROLLED FLASHING OUTDOOR SIREN

Deterrent device with high-efficiency LED indicator light and electromagnetic siren for outdoor installation.

The C335 Flashing Siren is powered by mains electricity (230V) and has a rechargeable internal battery that ensures it continues to remain operative even during a lengthy power cut, in case of low battery, the C335 is able to signal this status to the alarm control unit C301.

The device either activates following a command from the C301 alarm control unit by means of random rolling code signals or automatically if an attempt to force open the cover is detected by the special self-protecting device (two-way anti jamming control).

The C335 is an essential component of the alarm system as it checks if any attempts are being made to jam the two-way radio signal transmission of the alarm control unit.

The product is completely hermetic (totally resin-treated electronic circuits) and this coupled with the attractive design of the optic and acoustic signalling devices make it a unique product.



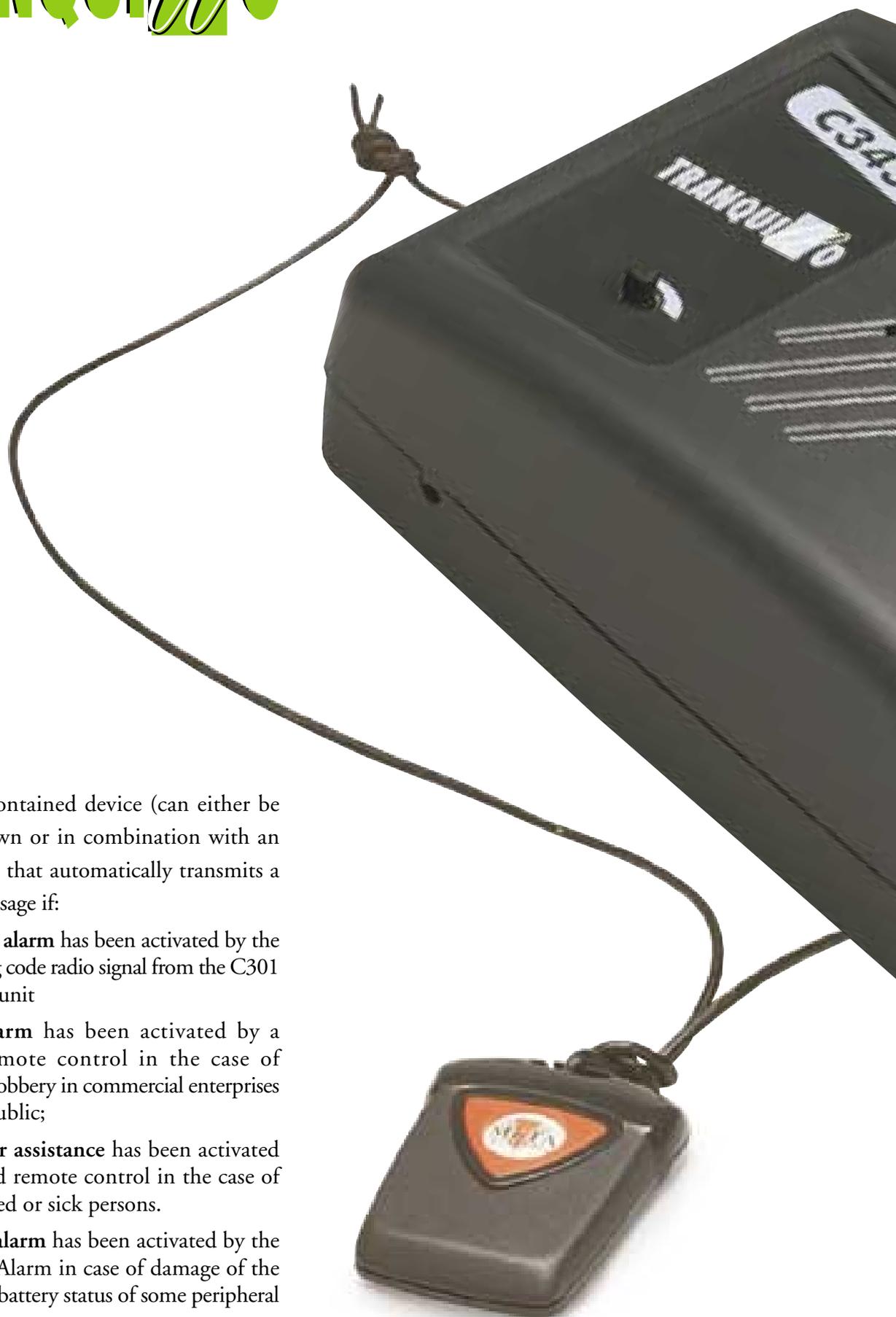


This entrance alarm is designed to fully or partly use the same peripherals as the C300 alarm system installed in the home or commercial application (e.g. small retail shops).

If the sensor detects a person entering the covered area (an interrupted magnetic contact for example), it transmits a random rolling code signal to C318 Superviglia, which emits a low level acoustic signal and displays the number corresponding to the sensor concerned.

C318 Superviglia is powered from the mains (230V) and is equipped with an internal rechargeable battery, which enables it to operate even in the event of a power failure.



TRANQUILLO[®]

Self-contained device (can either be used on its own or in combination with an alarm system) that automatically transmits a telephone message if:

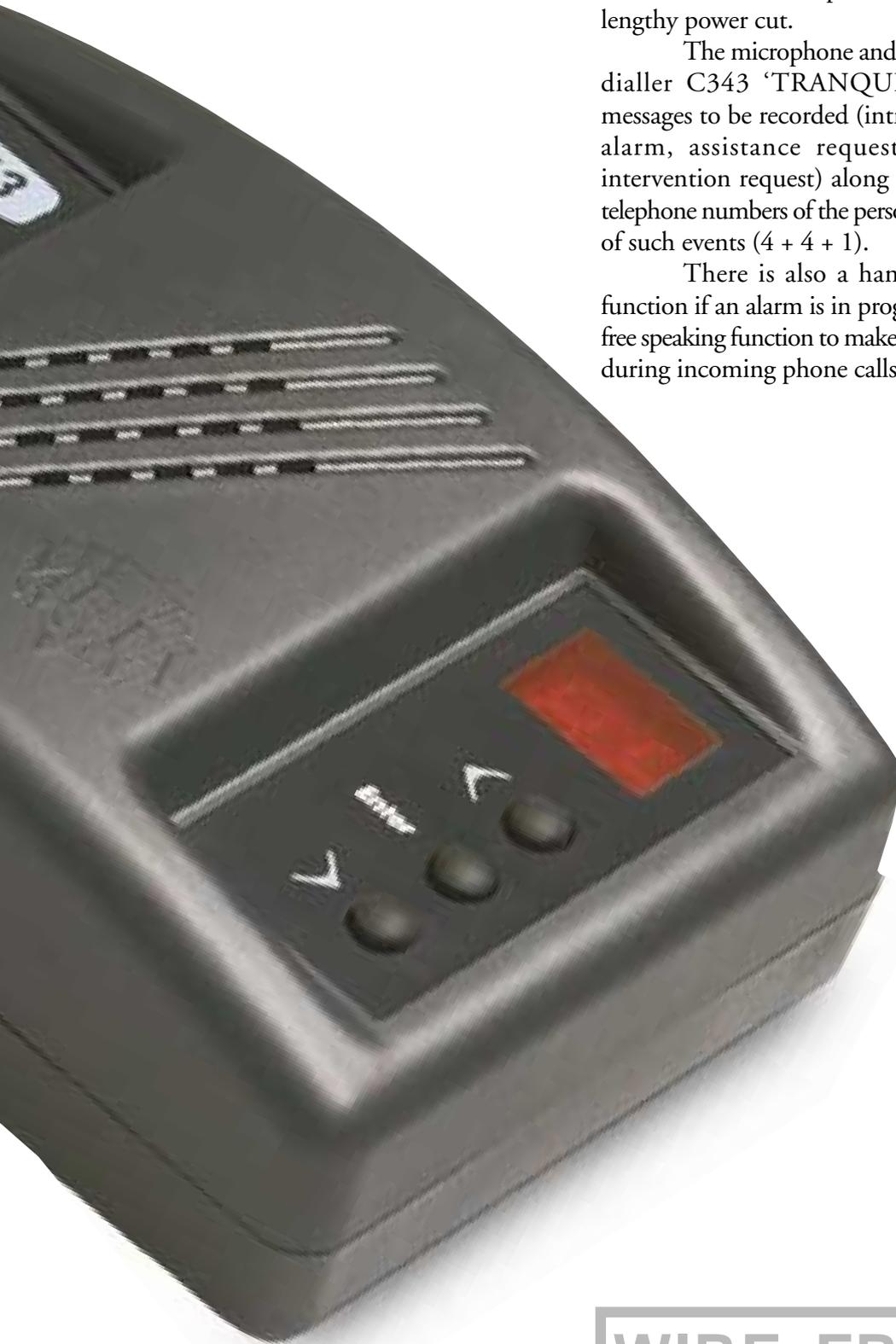
- an **intrusion alarm** has been activated by the random rolling code radio signal from the C301 alarm control unit
- a **silent alarm** has been activated by a dedicated remote control in the case of aggression or robbery in commercial enterprises open to the public;
- a **request for assistance** has been activated by a dedicated remote control in the case of elderly, disabled or sick persons.
- a **technical alarm** has been activated by the C300 Home Alarm in case of damage of the system or low battery status of some peripheral device;



C343 'TRANQUILLO' checks if any attempts are being made to jam the two-way radio signal transmission of the alarm control unit. It is powered by mains electricity (230V) and also has a rechargeable internal battery that ensures it remains operative even during a lengthy power cut.

The microphone and display telephone dialler C343 'TRANQUILLO' allows 3 messages to be recorded (intrusion & robbery alarm, assistance request and technical intervention request) along with the relevant telephone numbers of the persons to be informed of such events (4 + 4 + 1).

There is also a hands-free listening function if an alarm is in progress and a hands-free speaking function to make assistance requests during incoming phone calls.



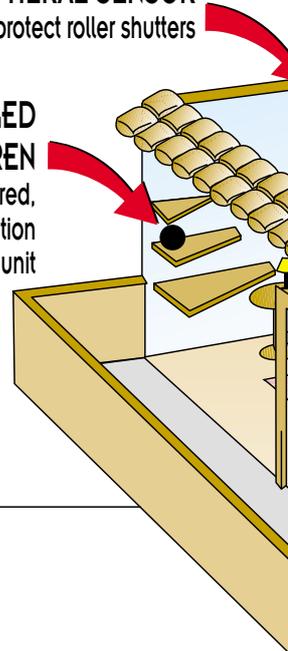
**WIRE FREE
SYSTEM**



C2500 REMOTE CONTROL
To arm/disarm control unit C301



C328 ROLLER BLIND PERIPHERAL SENSOR
To protect roller shutters



C335 REMOTE CONTROLLED FLASHING OUTDOOR SIREN
Flashing, self-powered, fitted with two-way communication with the C301 control unit

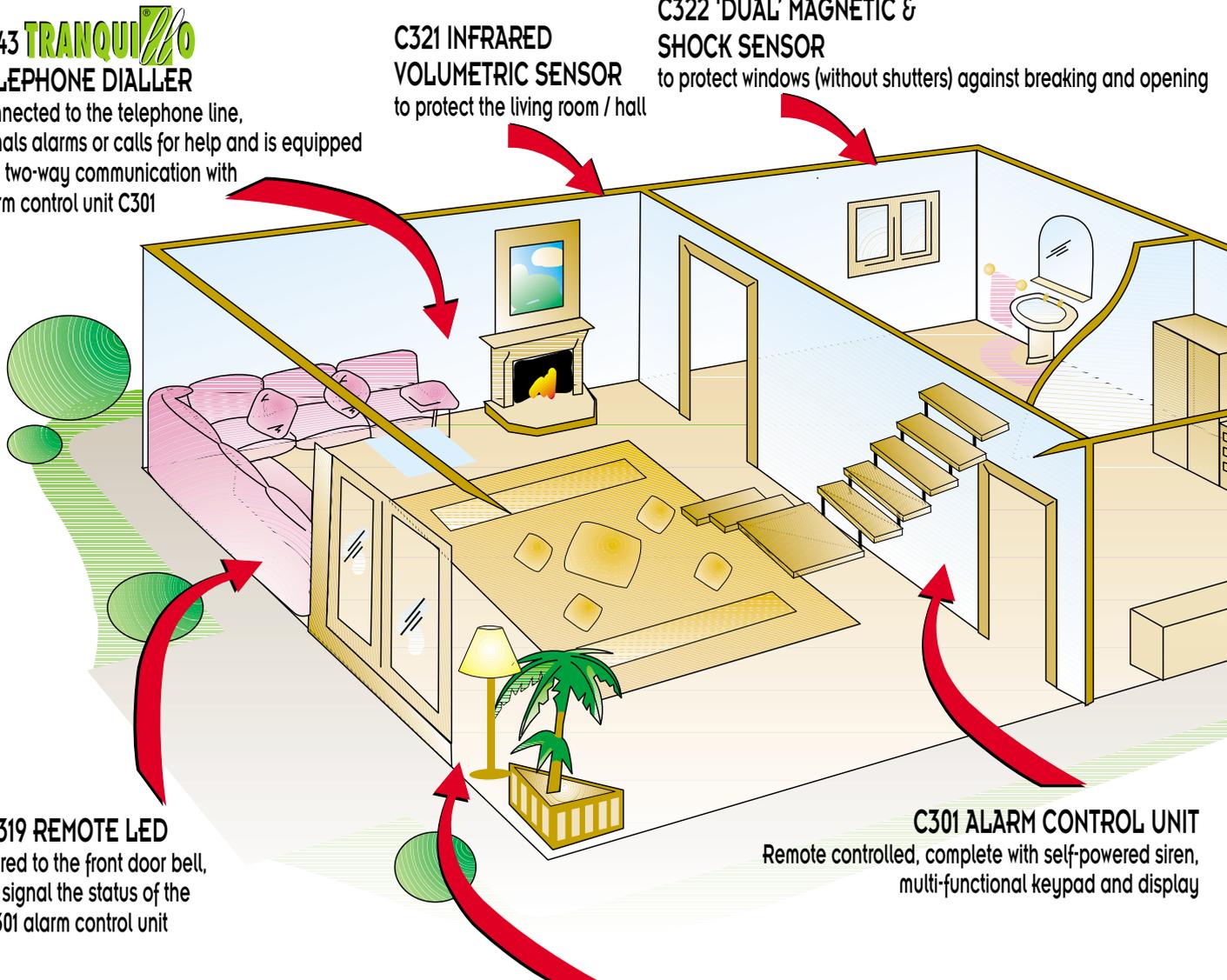
1st FLOOR

C343 TRANQUI% TELEPHONE DIALLER

Connected to the telephone line, signals alarms or calls for help and is equipped with two-way communication with alarm control unit C301

C321 INFRARED VOLUMETRIC SENSOR
to protect the living room / hall

C322 'DUAL' MAGNETIC & SHOCK SENSOR
to protect windows (without shutters) against breaking and opening



C319 REMOTE LED
Wired to the front door bell, to signal the status of the C301 alarm control unit

C301 ALARM CONTROL UNIT
Remote controlled, complete with self-powered siren, multi-functional keypad and display

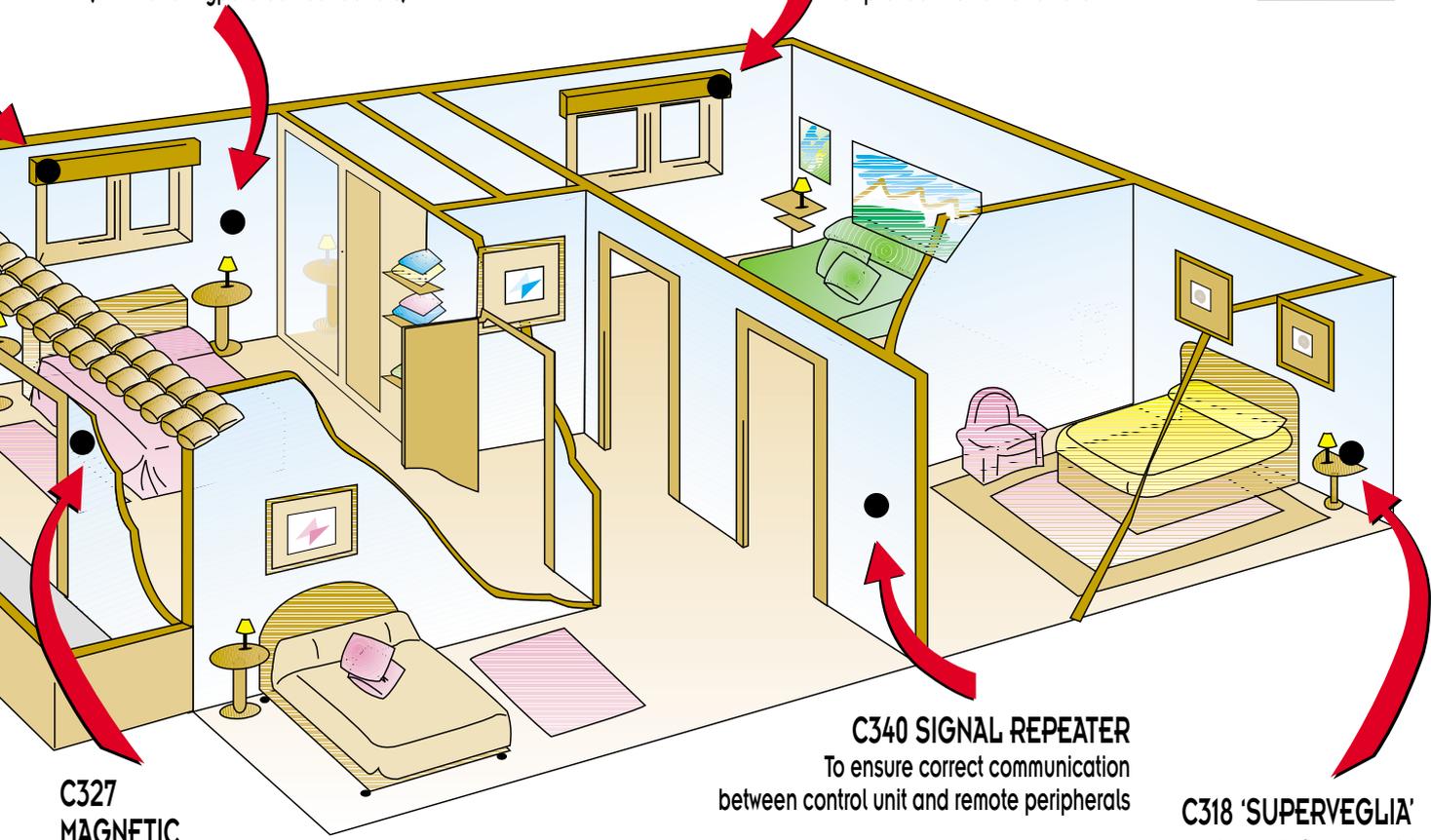
C388 'HOME THEATRE' SIMULATOR
To simulate that the home is occupied by switching the TV and lights on/off at random (with Italian type electrical outlets)

C388 'HOME THEATRE' SIMULATOR

To simulate that the home is occupied by switching the TV and lights on/off at random (with Italian type electrical outlets)

C328 ROLLER BLIND PERIPHERAL SENSOR

To protect roller shutters



C327 MAGNETIC SENSOR

Protection against opening of windows

C340 SIGNAL REPEATER

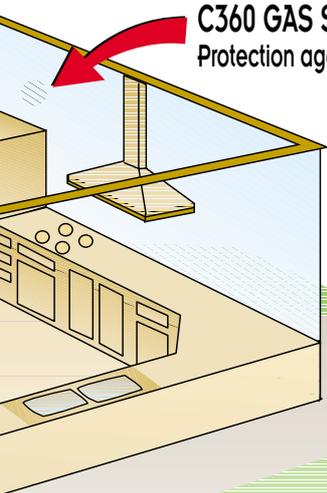
To ensure correct communication between control unit and remote peripherals

C318 'SUPERVEGLIA' ENTRANCE ALARM

To detect intruders, using the sensors of the C300 system

C360 GAS SENSOR

Protection against dangerous gas leaks



GROUND FLOOR

WIRE FREE SYSTEM

USES

Technical specifications of the Component

CONTROL UNITS	C301 ALARM CONTROL UNIT	C318 'SUPERVEGLIA' ENTRANCE ALARM
Technical specifications		
Power source	230 Vac - 12 Vdc (SELV)	230 Vac - 12 Vdc (SELV)
Autonomy	24 h, can be extended to 48 h	10 h
Length of alarm cycle	50 sec.	
Frequency of system	433,920 MHz	433,920 MHz
Reception and transmission coding	64 bit random rolling code	64 bit random rolling code
Operating temperature	0°C ÷ +50°C	0°C ÷ +50°C
Arming/disarming	<ul style="list-style-type: none"> • C2500 remote control • built-in keypad (15 keys) 	
Max. number of remote controls	8	
Secret Keypad code	Programmable, from 4 - 8 digits	
Alarm detection	<ul style="list-style-type: none"> • remote modules (instantaneous and delayed) • wired (instantaneous and delayed) 	remote modules
Max. number of remote modules	32	32
Activation delay	Programmable, up to 30 sec	
Alarm outputs	<ul style="list-style-type: none"> • wired siren commands • C-Nc-NA relay contacts (max. 2A) 	
Max. number of alarm signalling devices	4 (6 with wired)	
Built-in siren	<ul style="list-style-type: none"> • piezoelectric • 105 dBA power at 1m 	<ul style="list-style-type: none"> • piezoelectric • low power, adjustable volume
Operating mode	<ul style="list-style-type: none"> • total • partial • panic • Superveglia (entrance alarm) 	<ul style="list-style-type: none"> • Superveglia (entrance alarm) • partial
Indicators on the control unit	<ul style="list-style-type: none"> • alphanumeric display (32 chars, 2 lines) • power on indicator LED • control unit on indicator LED • partial mode indicator LED • alarm memory indicator LED • detection by remote sensor 	<ul style="list-style-type: none"> • numeric display LED (2 digits) • remote sensor detection memory indicator LED
Control unit status external LED control	<ul style="list-style-type: none"> • remote for C319 • wired 	
Self-protection (Anti-Tamper)	micro-contact against opening	
Anti-jamming	<ul style="list-style-type: none"> • by means of two-way interface with the signalling devices • can be cut-out during installation phase 	
Dimensions (mm) - Weight (gr)	250 x 175 x 48 - 600	185 x 120 x 60 - 600

SIGNALING/ARMING DEVICES

Technical specifications	C335 REMOTE CONTROLLED FLASHING OUTDOOR SIREN	C33 WIRED FLASHING OUTDOOR SIREN	C343 'TRANQUILLO' TELEPHONE DIALLER / TELE-ASSISTANCE	C319 REMOTE LED	C388 'HOME THEATRE' SIMULATOR	C2500 REMOTE CONTROL
Power source	230 Vac 12 Vdc (SELV)	12 Vdc (SELV)	230 Vac 12 Vdc (SELV)	12-24 Vac 8-24 Vdc	230 Vac	Two 3V lithium batteries
Autonomy	24 h	24 h	24 h			
Frequency	433.920 MHz		433.920 MHz	433.920 MHz	433.920 MHz	About 3 years 433.920 MHz
Operating temperature	-10°C ÷ + 50°C	-10°C ÷ + 50°C	0°C ÷ + 50°C	-10°C ÷ + 50°C	0°C ÷ + 50°C	-10°C ÷ + 50°C
Alarm signalling	64 bit random rolling code	by wire from control unit	64 bit random rolling code	64 bit random rolling code	64 bit random rolling code	64 bit random rolling code
Electro-magnetic siren	YES	YES				
Mains power Indicator	YES	YES	YES		YES	
Status signalling			Display	• LED on module • external LED control	YES	
Messages			<ul style="list-style-type: none"> • alarm • assistance • technical lasts 11 sec. each 			
Telephone Nos.			<ul style="list-style-type: none"> • 4 alarms • 4 assistance • 1 technician 			
Services			<ul style="list-style-type: none"> • in-room listening • hands-free 			
Alarm cycles	<ul style="list-style-type: none"> • lasting 50 sec. • max. 5 cycles 	<ul style="list-style-type: none"> • lasting 50 sec • max. 5 cycles 				
Siren sound level	118 dBA at 1 m	118 dBA at 1 m				
Self-protecting anti-tamper switch	YES	YES	NO	NO	NO	NO
"Lights on" time setting					random	
Anti-jamming	• two-way interface with C301 control unit		• two-way interface with C301 control unit			
Dimensions (mm) - Weight (gr)	Ø250x90-1.400	Ø250x90-1.320	185x120x60-620	85x30x13-40	125x63x63-400	39x14-15

Technical

specifications of the components

PROTECTION DEVICES

Technical specifications	C320 INFRARED VOLUMETRIC SENSOR	C321 INFRARED VOLUMETRIC SENSOR	C321L INFRARED VOLUMETRIC SENSOR	C323 'DUAL' INFRARED & MICROWAVES VOLUMETRIC SENSOR
Power source	9V alkaline battery	9V alkaline battery	9V alkaline battery	9V alkaline battery
Battery Life	approximately 2 years	approximately 1,5 years	approximately 1,5 years	approximately 2 years
Frequency	433.920 MHz	433.920 MHz	433.920 MHz	433.920 MHz
Operating temperature	0°C + 50°C	0°C + 50°C	0°C + 50°C	0°C + 50°C
Transmission code	64 bit random rolling code	64 bit random rolling code	64 bit random rolling code	64 bit random rolling code
Adjustments				
Signals	<ul style="list-style-type: none"> • IR detection indicator LED • battery low indicator LED 	<ul style="list-style-type: none"> • IR detection indicator LED • battery low indicator LED 	<ul style="list-style-type: none"> • IR detection indicator LED • battery low indicator LED 	<ul style="list-style-type: none"> • IR detection indicator LED • battery low indicator LED
Magnet distance				
Angle covered	100°	90°	30°	90°
Detecting distance (h = 2 m)	12 m	9 m	16 m	12 m
Batteries supplied	NO	NO	NO	NO
Self-protecting anti-tamper switch	YES	YES	YES	YES
Max. cable extension				
Adjustable support (optional)	C220	C220	C220	C220
Microwave frequency				<ul style="list-style-type: none"> • 10,525 GHz (Band) • < 1 nW / cm² at 1 m
Delay time				
Type of gas detected				
Dimensions (mm) - Weight (gr)	65x62x117-170	65x80x117-190	65x80x117-190	65x62x117-280

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C322 'DUAL' MAGNETIC & SHOCK PERIPHERAL SENSOR	C327 MAGNETIC PERIPHERAL SENSOR	C325 SHOCK PERIPHERAL SENSOR	C328 ROLLER BLIND PERIPHERAL SENSOR	C360 CO GAS SENSOR	C340 SIGNAL REPEATER
Two 3V lithium batteries	Two 3V lithium batteries	Two 3V lithium batteries	Two 3V lithium batteries	9V alkaline battery	230 Vac - 12 Vdc (SELV)
approximately 3 years	approximately 3 years	approximately 3 years	approximately 3 years	approx. 5 years	24 h battery backup
433.920 MHz	433.920 MHz	433.920 MHz	433.920 MHz	433.920 MHz	433.920 MHz
0°C ÷ + 50°C	0°C ÷ + 50°C	0°C ÷ + 50°C	0°C ÷ + 50°C	0°C ÷ + 40°C	0°C ÷ + 50°C
64 bit random rolling code	64 bit random rolling code	64 bit random rolling code	64 bit random rolling code	64 bit random rolling code	64 bit random rolling code
sensitivity		sensitivity			
• battery low	• battery low • door/window open	• battery low	• battery low	• gas detection and battery low indicator LED	• mains power on indicator LED • IR detection indicator LED
max. 15 mm	max. 15 mm				
					100°
					8 m
YES	YES	YES	YES	YES	YES (battery)
NO	NO	NO	NO	NO	NO
			3 m		
					6 sec. max
				C360 CO = Carbon Monoxide	
85x30x13/40x11x13-30	85x30x13/40x11x13-30	85x30x13-25	85x30x13/90x120x30-140	65 x 80 x 117 – 220	185x120x60-600

Installation positions



C301 ALARM CONTROL UNIT



C327 MAGNETIC SENSOR



C340 SIGNAL REPEATER

C343 'TRANQUILLO' TELEPHONE DIALLER / TELE-ASSISTANCE

C318 'SUPERVEGLIA' ENTRANCE ALARM



PROTECTION SENSORS



C321

C360

C325



C388 'HOME THEATRE' SIMULATOR (with Italian type electrical outlets)

PROTECTION SENSORS

Standards

CE Conformity

Safety standard: 73/23/EEC

Electromagnetic compatibility: Directive 89/336/EEC and standard ETS 300 683.

Radio frequency

Conform to ETS 300 220 Standard (Remote controls and remote modules)

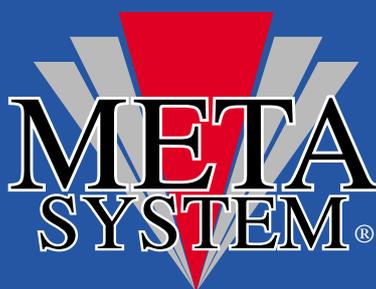
Conform to ETS 300 440 Standard (Microwaves)

Telephony

Post and Telecommunications (Conform to TBR 21 European Standard).

Living in safety means living with peace of mind

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