



Home Protection





Gemini Domus Line Gemini Domus





Gemini Domus Line general catalogue

For over 25 years **Gemini** has been a leader in the field of security systems.

Its long-standing presence in the main European and world markets as a supplier of car security systems (with operations in over 45 countries and 4 continents) has made the **Gemini** trademark into one of the most highly reputed the world over.

Thanks to the know-how acquired in the automotive sector, combined with the company's ongoing drive to develop innovative solutions, Gemini has also been able to take on a primary role in the field of motorcycle, heavy duty vehicle and seacraft alarm systems. In particular, Gemini has acquired leading-edge expertise in **GSM** transmission protocols and GSP satellite localisation systems.

All company processes, including product design, engineering and testing, are certified according to standards **UNI EN ISO 9001**, to guarantee the quality and reliability of the organisation and its products. Based on this wealth of knowledge, tools and technology, Gemini has set up a powerful research and development division focusing on the design and implementation of alarm systems for residential premises. **Gemini Domus** Line is the outcome of this long-term effort.



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Security by Gemini Domus



Radio network technology, which is the basis of wireless alarm systems, has always been a source of pride at **Gemini's**. The company has fine-tuned top-performing transmitters and receivers, which communicate with one another even in the presence of severe radiofrequency disturbances and can support maximum security codes.

Gemini systems electronics feature extremely low consumption levels, and use the most advanced microprocessors combined with highly-advanced, extremely powerful software. In this manner, **Gemini Domus** Line products, specially conceived to facilitate electrical interventions, achieve top performance targets whilst making for greatly simplified installation and operation.

To gain an understanding of the sturdiness and reliability of **Gemini** products, just consider the environments in which they are able to work: indoor and outdoor, in the most diverse and demanding conditions, and exposed to severe stresses (vibrations, sudden temperature variations, humidity, water, frost). This is another key factor behind their long success story.

The **Gemini Domus Line** is able to ensure total security for the household and its occupants. In addition to anti-intrusion devices, in fact, all systems afford protection against accidents such as gas leaks and fires.

Domus 2100 Alarm System

Main features of DOMUS 2100 alarm system

- Powerful management and control microprocessors
- High power piezoelectric sirens (100 dB at a distance of 3 m)
- Reset and emergency key-operated switch
- Protection against vandalism and tampering 24 hours a day
- 1.2 A/h internal buffer battery
- Intelligent management of power consumption when the system is not powered from the mains
- 3 intruder alarm radio channels, one of which is timed
- 1 technical alarm channel (smoke, gas) that is ON 24 hours day
- 1 burglar and distress alarms channel, active 24 hours a day
- Alarm memory on all zones with visual and audible indicators
- 27 radio (receiver and transmitter) channels between the control unit and the peripherals
- Unlimited number of sensors for use in combination with the control unit

- Self-learning capability: 10 codes, between remote controls and keypads
- Total or partial activation via remote control
- Visual and sound RF (radiofrequency) installation tests
- Programmable functions
- Audible and silent panic functions (burglar and distress alarms) activated by remote control
- Audible warnings when the system is turned ON and OFF
- Alarm cycle duration
- Number of alarm cycles (different alarm detection modes)
- The control unit comes with a kit including a motion sensor, a perimeter system and two remote controls

TECHNICAL DATA

Power supply voltage	230V AC
Current consumption (day setting)	8 mA
Current consumption (night setting)	5 mA
Current consumption with alarm ON	280 mA
Current consumption with LEDs OFF	2.5 mA
Buffer battery life	approx 8 days
Minimum radio range	20 m
Transmission frequency	433.92 MHz
Dimensions	300x200x75 mm
Weight (with battery)	1.3 kg





Domus 2100 Line
Domus 2100 Line



Motion sensor (article 2100 IR)

Senses the infrared energy (heat) from an intruder's body in motion in the protected area and transmits an alarm by radio to the central station via a coded signal. It has a 15 m range, an horizontal opening angle of 110° and a vertical opening angle of 75° on three protection levels. When installed in a corner, it covers a 15 x 15 m environment. It is equipped with an anti tamper proof push-button that is always active and low battery charge warning: when battery power drops below 6 V (and hence battery life is limited) it gives out an audible signal lasting approx 1 second. An intelligent detector and transmitter management system makes it possible to minimise current consumption. The device is supplied as standard with an adjustable mount and an alkali battery with a life of approx two years in normal use.

TECHNICAL DATA

Power supply	9V DC alkali battery
Current consumption in standby conditions	25µA
Current consumption during transmission	6 mA
Battery life	approx 2 years
Detection system	Fresnel lens and dual element pyroelectric sensor
Sensing range	15 m
Horizontal opening angle	110 degrees
Vertical opening angle	75 degrees on three protection levels
Protection beams	12
Minimum radio range	20 m
Transmission frequency	433.92 MHz
Dimensions	90x60x45 mm
Weight (with battery)	110 g





Perimeter system (article 2100 CM)

When fitted to doors and windows of any type, it detects their opening and transmits the alarm to the central station. It consists of two elements: a magnet and a reed contact connected to a radio transmitter. A red button and a LED built into the transmitter make it possible to check battery charge at any time and, during installation, to verify the connection with the central station and the tolerance between the magnet and the transmitter. Thanks to its compact, appealing design, it can be installed with ease in the most diverse residential environments. It is powered by a 12V alkali battery which is supplied as standard.

TECHNICAL DATA

Power supply	12V DC alkali battery
Current consumption in standby conditions	2 μ A
Current consumption during transmission	7.75 mA
Battery life	approx 1 year
Minimum radio range	20 m
Transmission frequency	433.92 MHz
Transmitter dimensions	72x31x13
Magnet dimensions	58x11x10
Transmitter weight (with battery)	24 g
Magnet weight	7.5 g





Rope detector for blinds (article 2100 CT)

When fitted to shutters, doors and vertically sliding blinds it protects your home against intrusion from the outside. It consists of a rope detector which senses blind lifting (by at least 5-6 cm) and a radio transmitter connected to the latter. A red button and a LED built into the transmitter make it possible to check battery charge at any time and, during installation, to check the connection with the central station. The unit is supplied as standard with a battery and features sensitivity adjustment to adapt the triggering threshold to different types of doors and windows.

It can be fully concealed inside the blind casing (if the latter is not made of metal) to make it perfectly invisible, with excellent results in terms of appearance and security.



TECHNICAL DATA

Power supply	12V DC alkali battery
Current consumption in standby conditions	2 μ A
Current consumption during transmission	7.75mA
Battery life	approx 1 year
Minimum radio range	20 m
Transmission frequency	433.92 MHz
Transmitter dimensions (with battery)	72x31x13
Rope sensor dimensions	100x98x15
Transmitter weight (with battery)	24 g
Rope sensor weight	115 g

Outdoor siren (article 2100 SE)

Excellent deterrent tool for intruders. It is equipped with a flasher and an electromagnetic siren to give out visual and audible alarm signals. Protected against vandalism and opening, it is activated upon receiving a signal from the control unit or is triggered automatically by any attempt to tampering with it. When it is activated by the panic or fire alarm functions, it gives out different sounds to attract attention. It is made of corrosion-free materials featuring extremely high impact resistance (plastic bottom, inner panel of stainless steel, cover of polycarbonate) that ensure long-term reliability. Powered from the mains, it is also equipped with a 1.2 A/h rechargeable battery ensuring its functional integrity even in the event of a prolonged power failure.



TECHNICAL DATA

Power supply	230V AC
Current consumption in standby conditions	4 mA
Current consumption in alarm conditions	1.7 A
Buffer battery	12V DC - 7 A/h max
Minimum radio range	20 m
Operating frequency	433.92 MHz
Acoustic power	120 dB (3 m)
Dimensions	280x195x85
Weight (without battery)	1.6 Kg

Home Protection



Alarms

Telephone multiplexor (article 2100 COM)

Alarm relay system for the automatic transmission of up to 15 calls via the telephone network. It can transmit three different alarm signals (intruder, burglar or distress alerts) through voice synthesised messages using as many separate channels. It can memorise up to four different telephone numbers per channel. The system includes a technical channel that will dial a single number and can be configured to supply a "power supply low" warning signal. The system makes it possible to block outgoing calls - to one or all

the numbers in the system's memory - directly from the telephone and is protected against line voltage spikes.

Programming is by means of built-in microphone, keypad and LCD display, and an earphone supplied as standard. It is powered from the mains and can be fitted with rechargeable buffer battery.



TECHNICAL DATA

Power supply	230V AC
Current consumption in standby conditions	25 mA
Current consumption during transmission	80 mA
Buffer battery (option)	12V DC - 2 A/h max
Type of call	Pulse or tone (DTMF)
Dimensions	215x175x65 mm
Weight (without battery)	1.2 kg



Home Protection

Programming and control devices

Secret code keypad (article 2100 TA)

This is used to enter a secret code of up to 6 digits for system control. It is ideally suited for premises where different people come and go, or if you do not wish to take along your remote control. It can be used either in lieu of, or together, with the remote control. When installed inside or outside the premises, it lets you verify system status (ON fully or partly /OFF) or activate the panic function. Working entirely via the radio network it uses a management system which sets it on low consumption to maximise battery life. It is protected against vandalism and is deactivated automatically after four attempts at entering invalid codes.



TECHNICAL DATA

Power supply	9C DC alkali battery
Current consumption with door closed	none
Current consumption with door open	30µA
Current consumption during transmission	20 mA
Battery life	> 1 year
Minimum radio range	20 m
Operating frequency	433.92 MHz
Dimensions	117x113x23
Weight (with battery)	198 g

Domus 5000 central station (article 5000 GD)

Main features of DOMUS 5000 alarm system

- 254 zones via radio network, with individual configuring function
- 2 cable lines
- 1 cable line that is active 24 hours a day
- Alphanumerical LCD display showing status of central station and peripherals, for programming
- Built-in digital keyboard for control and programming operations
- Anti-vandalism/tampering push-button
- Burglar and distress alarm functions (audible or silent panic signal) with selector
- 256 event memory buffer reporting date, time and a brief description of each event
- System monitoring function, showing sensor status (regular operation, alarm, sabotage, battery exhausted, contact open) on the display panel
- Possibility to memorise up to 20 remote commands
- Possibility to set 9 priority levels via the keypad or the remote controls

- 6-digit technical code for central station configuration, protected by 6-digit user password
- Individual line configuration: day-immediate, night-immediate, day-timed or night-timed mode, chime (courtesy), fire, gas, theft, automatic deactivation after 4 alarms, priority levels (from 1 to 9)
- Possibility to program entry & exit times, time duration of alarms
- Protection against battery discharge
- Ability to manage and distinguish via radio network up to 3 individual sirens
- Facilitated configuration via assisted menu
- Temporary cut-out and reactivation of individual lines
- Multilanguage menu choice



TECHNICAL DATA

Power supply	230V AC
Current consumption in standby condition	43 mA
Current consumption in alarm condition	120 mA
Rechargeable buffer battery	12V DC - 7 A/h max
Minimum radio range	20 m
Operating frequency	433.92 MHz
Dimensions (without aerial)	275x220x80 mm
Weight (with battery)	1.3 kg

Domus 5000 Line
Domus 5000 Line



GEMINI
ALARM SYSTEMS



Motion sensor (article 5000 IR)

Senses the infrared energy (heat) from an intruder's body in motion in the protected area and transmits an alarm by radio to the central station via a coded signal. It features an anti-sabotage system that is active 24 hours a day and, thanks to the monitoring link with the central station, it is able to transmit proper functioning, malfunction and low battery level signals at timed intervals. The battery low signal is also transmitted independently as an audible signal. An intelligent detector and transmitter management system minimises current consumption. The device, featuring superior immunity to radiofrequency disturbances, is supplied as standard with a battery and an articulated mount that lets you adjust it in any directions to optimise the sensing range. The device is fitted with indicator lights to facilitate installation tests. Thanks to a sensitivity adjustment system it can be adapted to the most diverse application requirements.



TECHNICAL DATA

Power supply	9V DC alkali/lithium battery
Current consumption in standby conditions	33µA
Current consumption during transmission	6 mA
Lithium battery life	approx 2.5 years
Alkali battery life	approx 1 year
Detection system	Fresnel lens and dual element pyroelectric sensor
Sensing range	10 m
Horizontal opening angle	90 degrees
Vertical opening angle	75 degrees on three protection levels
Protection beams	14
Minimum radio range	20 m
Transmission frequency	433.92 MHz
Dimensions (without art. mount)	60x113x40 mm
Weight (without mount and battery)	80 g

Dual technology sensor (article 5000 DT)

The 5000 DT is a detector using a dual sensing system: passive infrared and microwaves. The combination of the two technologies drastically reduces the likelihood of false alarms and makes this sensor ideally suited for premises traditionally rated as at risk. Thanks to the monitoring link with the Domus 5000 central station it is able to transmit proper functioning, malfunction and low battery level signals at periodic intervals. It is equipped with an anti-sabotage system that is active 24 hours a day and an internal sensor sensitivity and range adjustment system. An intelligent detector and transmitter management system minimises current consumption. The unit comes with three indicator lights and is supplied as standard with a battery and an articulated mount that lets you adjust it in all directions to optimise the sensing range.



TECHNICAL DATA

Power supply	9V DC alkali/lithium battery
Current consumption in standby conditions	68µA
Current consumption during transmission	7 mA
Lithium battery life	> 1 year
Alkali battery life	approx 6 months
Infrared detection system	Fresnel lens and dual element pyroelectric sensor
Microwave detection system	Planar cavity
Sensing range	10 m
Horizontal opening angle	90 degrees
Vertical opening angle	75 degrees on three protection levels
Protection beams	14
Minimum radio range	20 m
Transmission frequency	433.92 MHz
Dimensions (without art. mount)	60x113x40 mm
Weight (without mount and battery)	100 g



Perimeter system (article 5000 CM)

This system has been specially designed to be used simultaneously as a magnetic contact and pulse analyser: thanks to this arrangement, devices using the electric wires can be converted to radio transmission provided that they have at least one N.C. output. It is made up of two plastic cases: the smaller one houses the magnet and the bigger case contains the reed contact, the circuit and the battery. It has two LEDs, one for the low battery charge warning and the other to facilitate installation tests. Thanks to the monitoring links with the Domus 5000 central station, it transmits proper functioning, malfunction and low battery level signals at periodic intervals. An anti-sabotage system is active 24 hours a day. Alkali battery supplied as standard.



TECHNICAL DATA

Power supply	9V DC alkali battery
Current consumption in standby conditions	30 μ A
Current consumption during transmission	12 mA
Battery life	approx 1 year
Minimum radio range	20 m
Transmission frequency	433.92 MHz
Transmitter dimensions	65x65x23
Magnet dimensions	58x11x10
Transmitter weight (without battery)	40 g
Magnet weight	7.5 g



Rope detector for blinds (article 5000 CT)

When fitted to shutters, doors and vertically sliding blinds, it protects your home against intrusion from the outside. It consists of a rope detector which senses blind lifting (by at least 5-6 cm) and a radio transmitter connected to the latter. The transmitter has two indicator lights, one to give out a low battery charge warning and the other to facilitate maintenance testing operations. At periodic intervals, it sends proper functioning, malfunction and low battery level signals to the Domus 5000 central station. It features an anti-sabotage system that is active 24 hours a day and an alkali battery which is supplied as standard. It can be fully concealed inside the blind casing (if the latter is not made of metal) to make it perfectly invisible, with excellent results in terms of appearance and security.



TECHNICAL DATA

Power supply	9V DC alkali battery
Current consumption in standby conditions	30 μ A
Current consumption during transmission	12 mA
Battery life	approx 1 year
Minimum radio range	20 m
Transmission frequency	433.92 MHz
Transmitter dimensions	65x65x23
Rope sensor dimensions	100x98x15
Transmitter weight (without battery)	40 g
Rope sensor weight	115 g



Outdoor siren (article 5000 SE)

Bi-directional siren featuring two-way communications with the Domus 5000 central station: it sends out low battery charge warnings, sabotage attempt alerts, malfunctioning alarms, and receives activation commands. It learns the activation codes supplied by the central station. It is equipped with double anti-sabotage push-button, independent battery low indicator and distinguishable panic - fire alert sounds. It has a flasher and an electromagnetic siren to give out visual and audible alarm signals. It is made of corrosion-free materials featuring extremely high impact resistance (plastic bottom, inner panel of stainless steel, cover of polycarbonate) ensuring long-term reliability. Powered from the mains, it is also equipped with a rechargeable buffer battery ensuring its functional integrity even in the event of a prolonged power failure.

TECHNICAL DATA

Power supply	230V AC
Current consumption in standby conditions	4 mA
Current consumption in alarm conditions	1.7 A
Rechargeable buffer battery	12V DC - 7 A/h max
Minimum radio range	20 m
Operating frequency	433.92 MHz
Acoustic power	120 dB (3 m)
Dimensions	280x195x85
Weight (without battery)	1.6 Kg



Home Protection



Alarms

Telephone multiplexor (article 5000 COM)

Voice synthesising telephone multiplexor with built-in GSM receiver-transmitter module able to relay voice and SMS messages. It can transmit three different alarm signals (intruder, burglar or fire alerts) through voice messages using as many separate channels. It can memorise up to four different telephone numbers per channel. The system includes three technical channels to relay warnings regarding: mains power outage, control unit/multiplexor battery low, no GSM field. Password protected programming by means of built-in digital keypad and voice assisted menu. The microphone and the loudspeaker built into the unit make it possible to record and listen to the messages. The 5000 COM multiplexor also offers remote polling and management functions, which are protected by an access code, and is equipped with 5 relays for remote activation.



TECHNICAL DATA

Power supply	230V AC
Current consumption in standby conditions	120 mA
Current consumption during transmission	350 mA
Buffer battery (option)	12V DC - 2 A/h max
GSM module operating frequency	900 MHz
Dimensions	215x175x65 mm
Weight (without battery)	1.1 kg



Detectors

Optical smoke detector (article 21/50 SM)

TECHNICAL DATA

Power supply	9V DC alkali/lithium battery
Current consumption in standby conditions	55µA
Current consumption during transmission	50 mA
Lithium battery life	approx 2.5 years
Alkali battery life	approx 1 year
Minimum radio range	20 m
Operating frequency	433.92 MHz
Dimensions	110 mm diam. x 80 mm
Weight (with battery)	200 g

Microprocessor controlled device that senses all types of white smoke generated by combustion processes. It can be used in conjunction with either the Domus 2100 or the Domus 5000 central station, to which it is linked via a radio network. When it is used in conjunction with the Domus 5000 station, it transmits at periodic intervals signals concerning: proper functioning, malfunctioning, low battery level, sabotage. It is ideally suited for installation in environments at risk, such as boiler rooms, rooms housing electrical control panels, attics, cellars, kitchens, or rooms where large quantities of flammable materials are stored.



Detectors

Gas detector (article 21/50 GAS)

TECHNICAL DATA

Power supply	230V AC
Minimum radio range	20 m
Operating frequency	433.92 MHz
Dimensions	60x105x45 mm
Weight	250 g

Senses the presence of any fuel gas (methane, LPG, propane, butane, ethane, hydrogen, etc.) and gives out an alarm when its concentration in air exceeds pre-determined thresholds, which are set well below the lower explosion limit, i.e., well before hazardous conditions set in. The device can be configured for two operating modes: immediate alarm and pre-alarm. It transmits the alarms to the central station via radio and at the same time gives out a powerful audible alarm. A solenoid activation output is also present. It can be combined equally well with the Domus 2100 and 5000 Domus central stations. When used in conjunction with the Domus 5000 monitoring system, it sends proper functioning or malfunction signals to the central station at periodic intervals. It is powered by the mains.





Home Protection

Command and control devices

Remote controls (articles 2100 TX and 5000 TX)

Handy remote controls with push-buttons to turn Domus 2100 & Domus 5000 systems ON and OFF, either fully or limited to a number of functions, to silence or stop any alarms triggered. They can activate the sirens and the telephone multiplexor (panic function) or send out emergency calls (distress alerts) 24 hours a day, even with the system off.

Domus 5000 system remote controls can be configured at different access levels to adapt the system to the widest range of utilisation needs, at residential premises or in any other environment.

Reduced size and weight combined with ergonomic design make all remote controls in the Gemini Domus Line extremely practical to use and portable.



TECHNICAL DATA

Power supply	12V DC alkali battery
Current consumption in standby conditions	none
Current consumption during transmission	7 mA
Battery life	> 1 year
Minimum radio range	20 m
Operating frequency	433.92 MHz
Dimensions	63x36x13 mm
Weight	23 g



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