Technical data

Power supply	9Vcc alkaline battery
Battery autonomy	1 year
Current consumption with closed door	No
Current consumption with opened door	30µA
Current consumption in stand-by	6,3mA
Current consumption keyboard ON	20mA
Maximum range	20 meters
Frequency	433,92Mhz

Warranty terms.
This device is guaranteed against all manufacturing and working fault for a period of 12 months from manufacturing date indicated on the guarantee label.
The absence of the label will annul the guarantee.
The manufacturer declines responsibility for any defect or failure to the device due to incorrect installation or to the alteration of the technical features.

Gemini Domus

2100TA

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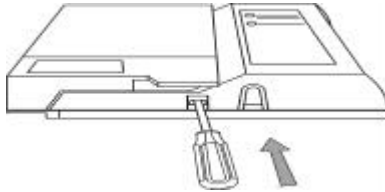
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2100IS-TA- Rev. 00 / 07 / 01

Description

The 2100TA is a remote keyboard with secret code that allows arming/disarming the alarm system DOMUS2100. This unit is supplied with two LEDS for the visualisation of the system condition (armed or disarmed) and a system that allows checking the current consumption in order to maximise the battery life.

Installation

Choose the place to install the remote keyboard (at a maximum distance of 20 meters from the DOMUS 2100).

The plastic box of the 2100TA consists of: bottom, cover and door. For the installation it is necessary to separate the bottom from the cover introducing a screwdriver in the squared hole on the lower side till the releasing of the joint (see fig. 1). Then it is possible to connect the battery and to carry out the desired programming. Put the remote keyboard on a table in order to keep pressed the anti-sabotage button on the rear side.

Fig.1

Selection of the transmission channel

To activate the anti-sabotage button on the rear side the transmission channel of the remote keyboard must be the same of the reception channel of the unit DOMUS2100. To select the same channel it is necessary to position the dip switches 1,2,3,4,5 as the dip switches 1,2,3,4,5 of the DOMUS2100.

Note: if are used more that one keyboard the system condition is visualised on the keyboard that has been carried out the last operation of system arming/disarming.

To visualise the alarm condition it is necessary to arm or disarm the DOMUS2100.

Memory clean – remote keyboard release.

The memory clean is necessary when the code has been dialled wrong for 4 times. In this case the remote keyboard signals with a long beep that it does not accept any code. To release the remote keyboard refer to the following directions:

1. Close and open the keyboard door.
2. Press on the **#** button.
3. Dial the releasing code (6 numbers different or similar). The manufacturer code is **000000**.
4. Press on the **F** button. One long beep will signal the releasing of the keyboard and its normal working.

N.B. The memory cleaning operation will annul all the codes previously dialled; therefore, after this operation, it is possible to go back to the system conditions only after the system DOMUS2100 has been armed or disarmed.

3. The green LED (UNIT OFF) lights fix to confirm the disarming of the system.

At the end of the operation of arming and disarming the LED that shows the system condition (DAY, NIGHT o UNIT OFF) lights till the keyboard door closure. Closing the door the Led switches off also after a new opening operation. With the keyboard door opened, 20 seconds after the last operation, the 2100TA signals with a series of short beeps that it is in stand-by with a reduced current consumption. During this stand-by period the keyboard does not accept any controls and keeps the Led switched off.
To exit this period it is necessary to close the keyboard door, wait at least 2 seconds before open it and then the 2100TA is ready to work.

Anti-hijacking function
To activate the anti-hijacking function proceed as follows:
1. Open the keyboard door.
2. Dial the access code and press on the **E** button; this will activate:
   - Only the telephonic dialler (if installed) if the alarm unit is selected on the silent panic function.
   - The telephonic dialler (if installed) and the siren if the alarm unit is selected on the audible panic function.
To stop the alarm cycle it is necessary to dial again the access code and to press on the **E** button.

Visualisation of the system condition
To visualise on the keyboard the system condition, open the door and:
1. Dial the access code.
3. Press on the * (asterisk) button. This operation will activate the Led concerning the system condition:
   - Red LED with fix light for the day modality;
   - Red LED flashing for the night modality and green LED with fix light if the system is disarmed.
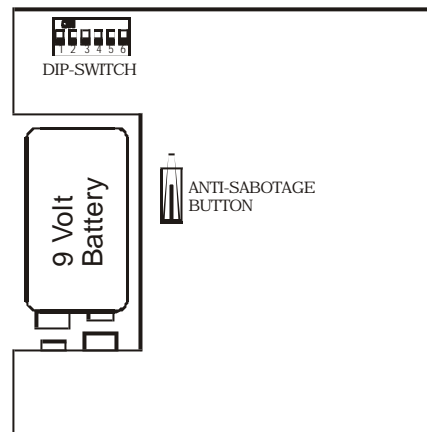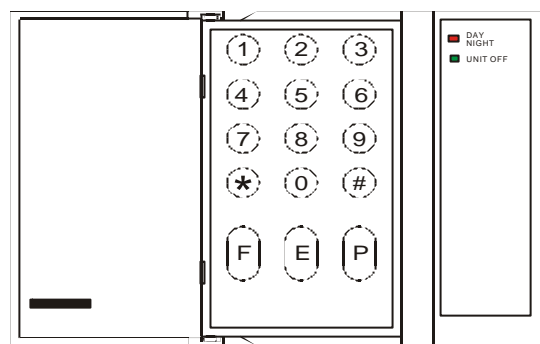
Printed circuit 2100TA

Fig. 2

DIP-SWITCH

9 Volt Battery

ANTI-SABOTAGE BUTTON

Fig. 3

DAY NIGHT

UNIT OFF

Self-learning of the access code.
To allow the remote keyboard 2100TA to control the DOMUS2100 it is necessary to set the access code. To proceed with the self-learning take away the cover of the unit and follow these operations:
1. Turn the key of the DOMUS 2100 anti-clockwise (OFF).
2. Set the dip switches n.10 and 11 to OFF and the dip switch n.12 to ON.
3. Turn the key of the DOMUS 2100 clockwise (ON).
4. Wait the beep (after few seconds)
5. Dial the desired access code (6 numbers different or similar) pressing on the buttons from 0 to 9. Pressing on the **F** button or **P** the code is sent and learned in the DOMUS 2100 memory. The learning of the code is confirmed with one beep and one red DAY ZONE flashing from the DOMUS2100.

IMPORTANT: while codifying the remote keyboard remember to code also the transmitters.

At the end of these operations, arm the system in order to verify the remote keyboard radio range. In this way the anti-sabotage button activates and, then, to carry out the fixing to the wall without triggering the alarm it is necessary to turn the key of the DOMUS2100 anti-clockwise (OFF).
Fix the bottom of the keyboard to the wall and position the cover. At the end turn the key of the DOMUS2100 clockwise (ON). The 2100TA is ready to work.

Release code
La 2100 TA has a release code for the emergency situations (refer to the following paragraph "Memory clean- keyboard release).
This code has 6 numbers (different or similar; the code set from the manufacturer is **000000**).
To dial a new code different from the code set from the manufacturer proceed as follows:
- Open the keyboard door.

- Press on the **#** button.
- Dial the manufacturer code **000000**.
- Dial again the **#** button.
- Dial again the new release code (always 6 numbers).
- Press on the **F** button. One short beep followed by one long beep will signal the memorisation of the new code.

Reset to the manufacturer conditions
This operation allows resetting to remote keyboard to the manufacturer conditions. Proceed as follows:
1. Take away the battery keeping the door closed.
2. Leave the anti-sabotage button opened.
3. Put the battery in its place pressing on the # button.
   One long beep will confirm the memory cleaning; now the release code will be the **000000** (the one set from the manufacturer).

Working

Total arming of the system (DAY ZONE)
1. Open the remote keyboard door.
2. Dial the selected access code and press on the **F** button.
3. The red LED (DAY/NIGHT) lights fix to confirm the total arming of the system (DAY ZONE).

Partial arming of the system (NIGHT ZONE*)*
1. Open the remote keyboard door.
2. Dial the selected access code and press on the **P** button.
3. The red LED (DAY/NIGHT) flashes to confirm the partial arming of the system (NIGHT ZONE).

System disarming
1. Open the remote keyboard door.
2. Dial the selected access code and press on the **F** button or **P** button.