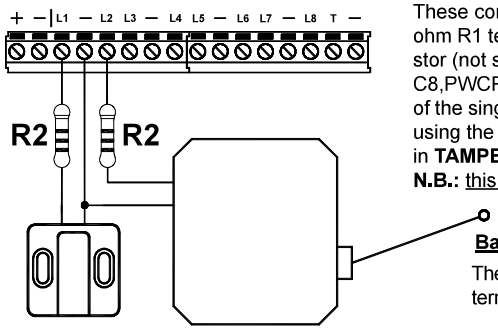
Inertial Vibration and Inertial Roller Shutter Zones



These configurations permit direct management of Inertial or Roller Shutter sensors with one 4700 ohm R1 terminal resistor for the **XSAT36 and XSATPW** inputs and one 2200 ohm R2 terminal resistor (not supplied, or two 4700 ohm R1 resistors in parallel) for the Capture central control unit and C8,PWCPT Satellite. To adjust the sensitivity, the "Number of Pulses" step inside the programming of the single zone is used (1= HIGH sensitivity / 120= LOW sensitivity). The equipment is protected using the dedicated **TAMPER** line or an input zone other than the central control unit, programmed in **TAMPER** mode.

N.B.: this type of connection cannot be used in the zones in the keyboards and some expansions.

Balancing resistance

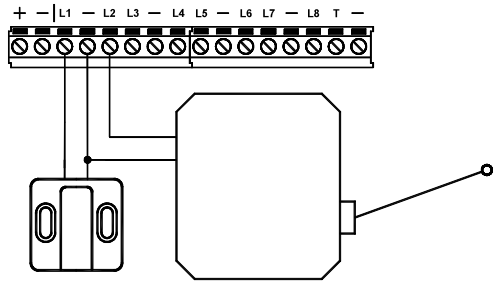
The colours of R1 and R2 terminal resistance are:

R1	4.700 ohm
1) Yellow	Value: 4
2) Purple	Value: 7
3) Red	Number of zeros 2
4) Gold	Tolerance: 5%

R2	2.200 ohm
1) Red	Value: 2
2) Red	Value: 2
3) Red	Number of zeros 2
4) Gold	Tolerance: 5%

In those zones programmed as Inertial Roller Shutter, the central control unit does not signal the open zone if the connection cable is interrupted.
In those zones programmed as Inertial Vibration, the central control unit signals the open zone if the connection cable is interrupted.

NC Inertial Vibration and NC Inertial Roller Shutter Zones



These configurations allow direct management of Inertial or Rolling Shutter sensors with negative reference.

To adjust the sensitivity, the "Number of Pulses" step inside the programming of the single zone is used (1= HIGH sensitivity / 120= LOW sensitivity).

The equipment is protected using the dedicated **TAMPER** line or an input zone other than the central control unit, programmed in **TAMPER** mode.

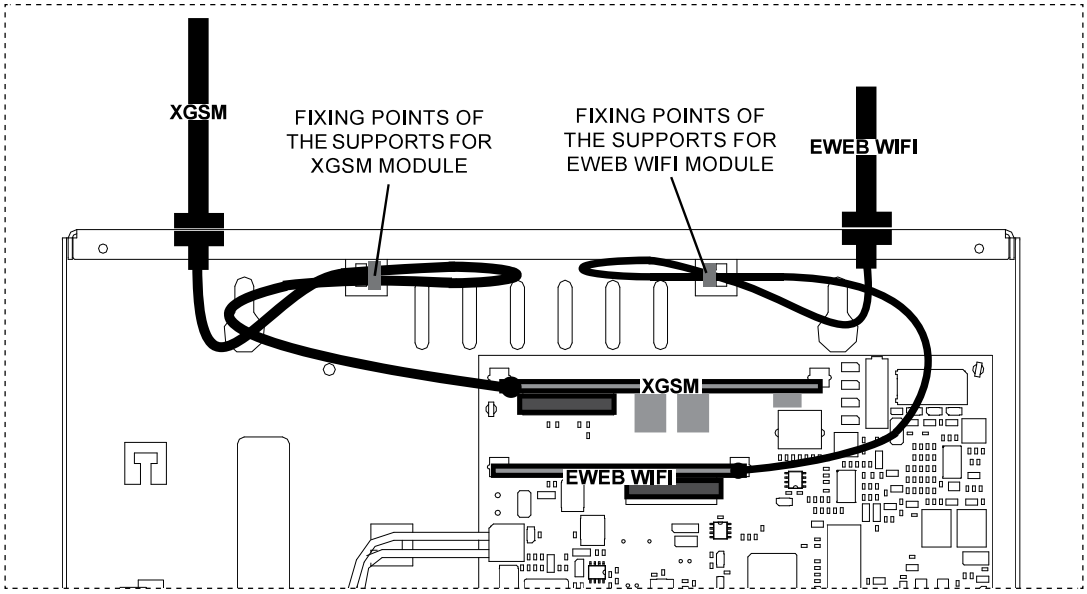
N.B.: this type of connection be used in the zones in the Control Panel and the C8 and PWCPT expansions.

In those zones programmed as Inertial Roller Shutter, the central control unit does not signal the open zone if the connection cable is interrupted.
In those zones programmed as Inertial Vibration, the central control unit signals the open zone if the connection cable is interrupted.

NOTE: If any mode other than Balanced 2R is set, the device no longer complies with EN50131.

Connections of module XGSM and module EWEB WIFI

In order to guarantee the correct system installation, it is important to lock the cables of the different equipment with the cable ties using the appropriate housing's tongues



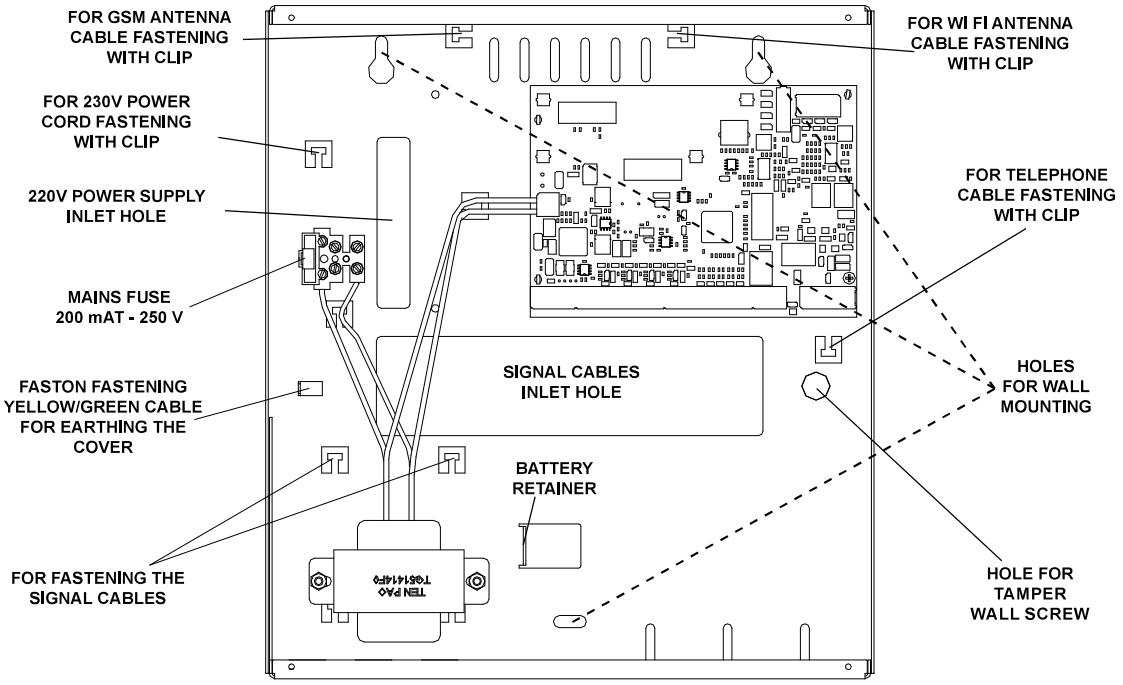
How to proceed

a. Completely disconnect the power supply, both network and battery.
b. Insert the appropriate plastic supports in the holes located on the control panel electronic board with the guides facing inward.
c. Insert XGSM electronic board on connector J1 and series EWEB electronic board on connector J3 making it slide inside the supports guides until it stops.
d. Break the presetting on the control panel housing. Left to form XGSM module and right to form EWEB WIFI module.
e. Attach the antenna to the box using the prepared hole and secure the cable with a clamp as shown in Figure.
f. Insert the antenna and fix by fastening the nut.
g. Connect the antenna cable to the GSM module.
h. Check the correct operation of the S5 Jumper (See description **Control panel board**)
i. Give power back to the control panel.

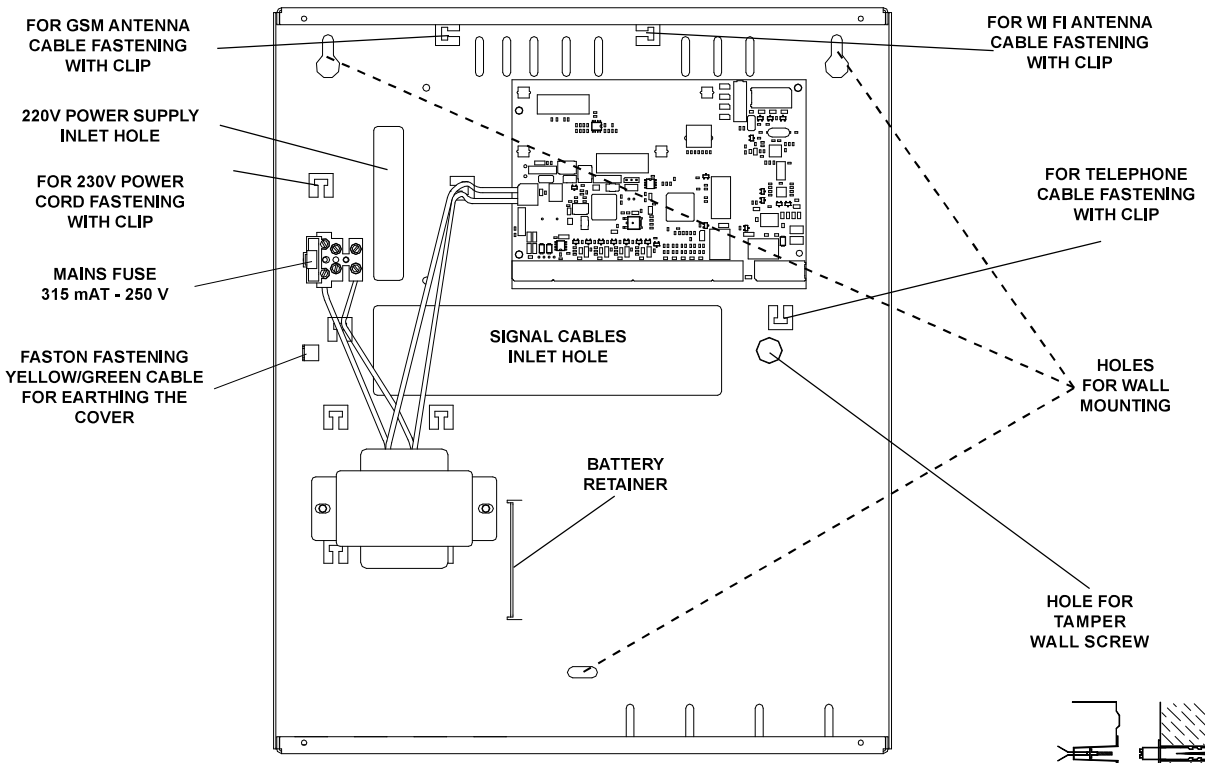
Installation

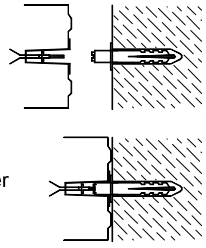
- In order to guarantee the correct system installation, it is important to lock the cables of the different equipment with the cabel ties using the appropriate turrets of the housing .
- To guarantee electrical safety, the wires must be fastened with a clip directly on the protective sheath
- The 3 wires for the 230 V ~ mains power supply and the 2 wires for the power supply must be securely fastened together using a proper clip (as shown in the figure) to prevent them coming into contact with sensitive parts of the central control unit if they should come loose from the terminal block.

CAPTURE 8, CAPTURE 16 and CAPTURE 32, CAPTURE 64 e CAPTURE 128



CAPTURE 16 M and CAPTURE 32 M, CAPTURE 64 M e CAPTURE 128M

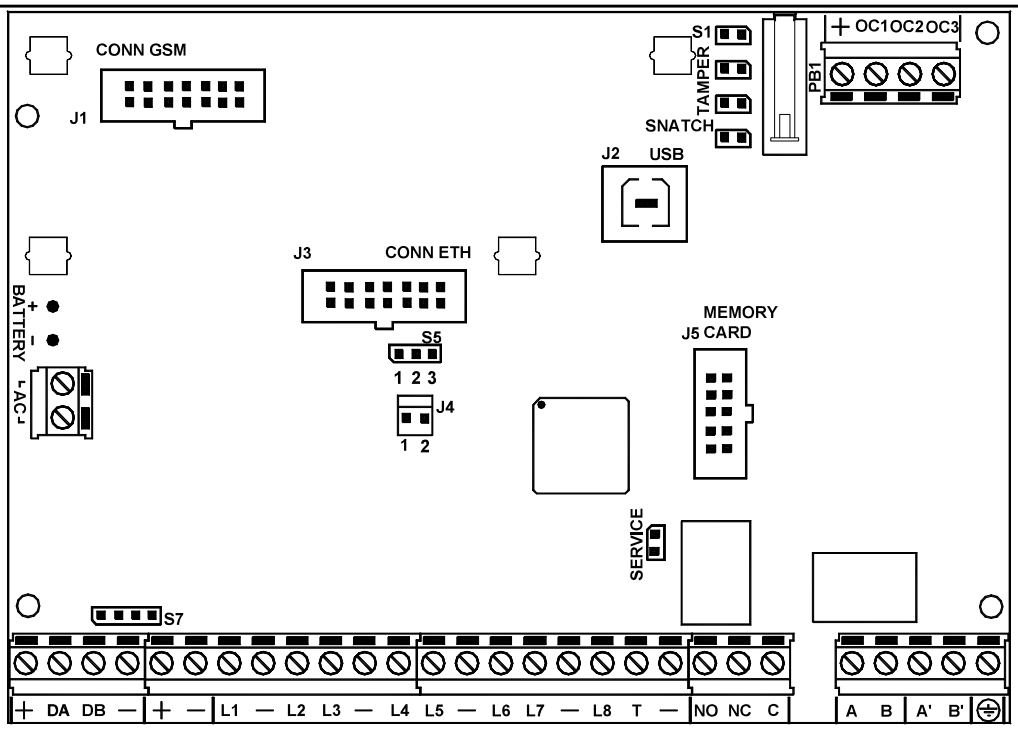




Anti-tamper KIT installation - KIT AS CAPTURE - cod. 1188100 (Optional)

1. Perforate the wall in correspondence with the hole at the bottom of the housing destined for the anti-tamper.
2. Insert the wedge in the hole in the wall and tighten the spacer.
3. From the outside, insert the anti-tamper on the appropriate hole at the bottom of the housing.
4. Tightly fix the housing on the wall, checking that the spacer screwed on to the wedge, presses against the antitamper button spring.
5. Connect the cable of the strain relief KIT to the SNATCH JUMPER on the central control unit board.

Control panel board CAPTURE



CAPTURE 32, CAPTURE 16, CAPTURE 8 Terminal board, Jumper and Connectors

UPPER SIDE OF ELECTRONIC BOARD	
J1_ CONN GSM	connector for **XGSM** module (optional)
J2 - PLUG USB	output for direct connection with PC through USB
S1	jumper for managing the anti-opening button (Open = Anti-opening Button management cut out)
TAMPER (x2)	jumper for connecting additional anti-opening or strain relief protection (Open = At rest)
SNATCH	jumper for connecting the strain relief button (Closed = At rest)
OC	3 Open Collector outputs (OC1, OC2, OC3) max 150 mA and power supply positive (+) with auto-resetting 250 mA at 25°C fuse
LEFT SIDE OF ELECTRONIC BOARD	
BATT + / -	supply output protected with resettable fuse for battery connection
AC	supply input from the transformer
LOWER SIDE OF ELECTRONIC BOARD	
+ DA DB -	serial connection and power supply output with auto-resetting 1.85 A at 25°C fuse
+ -	output for lines protected from auto-resetting 1.85 A at 25°C fuse
L1 <---> L8	input lines
-	negative reference for the input lines
T	input tamper
[C] [NC] [NO]	auxiliary output with terminal free from voltages (positive safety) with capacity 3 A - 12 V = (**C**) common terminal (**NC**) normally closed terminal (**NO**) normally open terminal
A B	main telephone line input
A' B'	telephone line output for connection of the derived internal telephone service
⏚	earth clamp
S7	connector for serial connection, reflects the same order of the terminal (**+**, DA, DB, **-**)
CENTRAL PART OF ELECTRONIC BOARD	
SERVICE	close the jumper to reset the alarm and phone calls in progress (maintaining the arming state unvaried)
S5	jumper for supplying power to the Ethernet module: - position 1 - 2 (left): module powered by the central control unit - position 2 - 3 (right): module powered by an external source connected on J4
J3 - CONN ETH	connector for Ethernet module (optional)
J4	polarized input connector 13.8 V = (1 = + and 2 = -), for external power supply of the Ethernet module
J5 - MEMORY CARD	connector for connecting DIGIVOC voice synthesis board (optional)

from previus page

Teleph. options ENT ↑↓

- Dial tone listen YES
- Answer listening YES
- Autoansw. machine NO
- Dload w/o callb NO
- Attempts pause 60 (0:255 sec)
- Vocal repetition 2 (0 .. 16)
- Num. rings answer 0 (0 .. 16)
- Slow DTMF dial NO
- Stop dig. calls NO
- Enab. RTC by GSM NO
- SMS limiter 0 (0 .. 255)
- GPRS priority NO

XGSM ENT ↑↓

- PIN 0000
- SIM credit ctrl. YES
- GPRS ENT ↑↓
  - APN ENT ↑↓
    - APN
    - Username
    - Password

to following page

Dialler

Telephone options

Dial tone listen: ree line tone detection circuit is present inside the telephone; when the line is engaged, it ensures that the dialling happens only when this is effectively present. In case the detecting of the line tone should be difficult, like in cases of extensions from switchboards, by choosing the option **"NO"** the free line tone listening circuit is enabled, favouring the dialling.
The disabling of the free line tone listening circuit makes the analysis of the presence, or not, of the telephone line less reliable and this may jeopardise the switching of the calls on the GSM channel of the control panel.
Answer listening: If this function is enabled, the vocal message starts to be transmitted only after the called User has answered; in this case, the call is considered as **"completed with success"**, therefore, it will not be repeated to the set number if the first repetitive cycle is at least heard, or the call is voluntarily interrupted by the user by pressing key "4" or key 3 from the telephone receiving the message.
By not enabling this function, the message will start as soon as the dialler will have stopped dialling the telephone number and the vocal calls will be repeated for all "number of attempts" programmed for all entered numbers (see "Attempts ")
N.B.: By setting NO, the unit no longer complies with EN50131.

Autoanswer machine: Should an answering machine be included, the overlapping can be activated (see "RTC Function").

Download w/o callb: If this function is enabled, the control panel accepts the remote re-programming directly without recalling towards the PC.

Attempts pause: Should the calls not be completed successfully, the delay programmed here will be interposed between the second attempt and every subsequent attempt towards the same telephone number.
It must be noted that, according to regulation, a minimum pause of 6 seconds is automatically inserted between successive calls.

Vocal repetition: It defines how many times the eventual vocal message must be repeated when a telephone communication is activated.
In case of wanting to communicate the message to a **fixed** or **mobile answering machine**, we recommend setting a sufficient number of repetitions, such to guarantee the recording of the message on the answering machine.

Num.rings answer: By enabling the Reply Rings function with a number of rings greater than 0, it is possible to call the system where the control panel is installed to obtain an RTC connection (see "User RTC Functions").

Slow DTMF dial: By enabling the Slow DTMF numeration function, the slow composition of the tones of the telephone numbers called is activated.

Stop dig. calls: Enabling the function, after a successful telephone call to a digital number the central control unit blocks further calls to the other digital numbers memorised with the same protocol.

Enable RTC by GSM: By enabling the function, the panel answers the GSM channels to voice calls and commands via SMS. XGSM answered after three rings while into XGSM485 the number of rings is programmable.

SMS limiter: Defines maximum number of SMS to be sent in an interval of 1 hour. By entering 0 it is disabled, otherwise the control panel sends maximum that number of SMS in one hour and then memorises an event of "STOP SMS LIMIT N.". Starts sending again after an hour has passed from the sending of the first SMS of the series.

GPRS priority: It defines if the GPRS connection is more or less important than the GSM one. Choosing "NO" the GPRS connection is only activated via automatic sending of the sms message after accessing from the MyAVSAlarm App for up to 10 minutes. Choosing "YES" the GPRS connection is normally active except when communicating events.

- Press **(CLR)** to vary
- Press **(ON)** to activate the uppercase and **(OFF)** to activate lowercase letters
- Writing keys:
  (1)abc1 **(2)**def2 **(3)**ghi3 **(4)**jkl4 **(5)**mno5 **(6)**pqr6 **(7)**stu7 **(8)**vwx8 **(9)**yz. **(0)**_'0
- Press arrows **(←)** and **(→)** to position the cursor
- Press **(ENT)** to confirm
- Press **(ESC)** to go back
- Press **(↑)** or **(↓)** to move

XGSM

PIN: Enter the valid PIN code of the SIM card.
If the PIN code has been disabled this parameter is ignored.

SIM Credit ctrl: If this function is enabled, the control panel will check the credit of the SIM Card. Should a rechargeable card be installed, leave "NO".

GPRS: The parameters for data connection via XGSM are programmed in this menu

APN (Access Point Name): Name of the access point (server) to which a mobile device will try to connect to gain access to the Internet to make data transfers.

APN: Access point name. If left blank, the panel will use the default names made available by the network operator used (valid only for Italy): TIM: ibox.tim.it, VODAFONE: web.omnitel.it, WIND: internet.wind

Username: user name for accessing the APN (if required by the operator)

Password: password for accessing the APN (if required by the operator)

- Press **(CLR)** to vary
- Press **(ON)** to activate the uppercase and **(OFF)** to activate lowercase letters
- Press **(ENT)** to confirm
- Press arrows **(←)** and **(→)** to position the cursor
- Press **(ESC)** to go back
- Press **(↑)** and **(↓)** to move
- Writing keys: **(1)**abc1 **(2)**def2 **(3)**ghi3 **(4)**jkl4 **(5)**mno5 **(6)**pqr6 **(7)**stu7 **(8)**vwx8 **(9)**yz. **(0)**_'0

from previus page

Dialler

XGSM

Credit req. pers.
ENT ↑↓

Credit request personalization: In this menu, it is possible to personalize the credit request method, in the case of variation by the operator. The control panel is programmed for the request by the following operators:
Vodafone > call number = 404 TIM > SMS = PRE CRE SIN \ SMS calling number = 40916
WIND > SMS = SALDO \ SMS calling number = 4155
DO NOT USE THE FOLLOWING ACTION IF THE REQUEST PROCEDURE MATCHES THE ONE ALREADY PROGRAMMED.

Credit tel. num.

Credit telephone number: Introduce the operator phone number to be used by the control panel for calling/ forwarding the SMS

Use SMS Credit
NO

Use SMS Credit: Activating this function, the control panel send the indicated SMS in "Credit SMS" for the credit request. Placing NO, the control panel will ring only once at the phone number indicated in "Credit phone number".

Credit SMS

Credit SMS: In this menu, it is possible to personalize the credit SMS message, as required by the GMS operator.

- Press **(CLR)** to vary
- Enter the telephone number
- Press **(↑)** and **(↓)** to move
- Press **(ENT)** to confirm

XGSM485
ENT ↑↓

XGSM485

The XGSM485 can contain two SIM Cards. If both SIM Cards are installed, at the first power feed, by default the operation starts with the Main SIM Card **(SIM Card A)** and there is an automatic changeover to the Secondary SIM Card (**SIM Card B**). This is controlled by the following events:
• No credit
• GSM network down
• No GSM field
• GSM module operating faults
After switching to the Secondary SIM Card, the device sets a 240-minute timer for automatically switching back to the Main SIM Card. The device may switch back the Main SIM Card earlier, however, if any of the above occurs to the second one in the meantime.

Tamper commun.
YES

Communicate Tamper: When this function is enabled and communication with the central control unit in RS485 is down, the XGSM485 autonomously communicates the Tamper event and any GSM faults to the first 8 telephone numbers programmed for communicating these events in GSM.

Tamper rst. comm.
NO

Communicate Tamper reset: When this function is enabled, the XGSM485 communicates resetting of communication with the central control unit in RS485 and any GSM anomalies to the first 8 telephone numbers programmed for communicating these events in GSM.

PSTN on XGSM485
NO

PSTN to XGSM485: When this function is enabled, the state of the PSTN telephone line connected to the XGSM485 is controlled.

SIM B available
NO

SIM B available: When this function is enabled, the presence of a second SIM in the secondary SLOT is confirmed.

Cont. dialtone
NO

Continuous dialtone: When this function is enabled and the PSTN telephone line is absent, the XGSM485Plus generates a continuous rather than an alternating line tone.

Num. rings answer
0 (0 . . 16)

Number Rings Answer: When the Rings Answer function is enabled and the number of rings is greater than 0, it is possible to call the central control unit with the SIM active in the XGSM485 to obtain an RTC connection (see "Functions RTC User").

SIM A
ENT ↑↓

SiM A (Main SIM)

PIN
0000

PIN: Enter the valid PIN code of the SIM card.
If the PIN code has been disabled this parameter is ignored.

SIM credit ctrl.
YES

SIM Credit ctrl: If this function is enabled, the control panel will check the credit of the SIM Card. Should a rechargeable card be installed, leave "NO".

GPRS
ENT ↑↓

GPRS: The parameters for data connection via XGSM are programmed in this menu

APN
ENT ↑↓

APN (Access Point Name): Name of the access point (server) to which a mobile device will try to connect to gain access to the Internet to make data transfers.

APN

APN: Access point name. If left blank, the panel will use the default names made available by the network operator used (valid only for Italy): TIM: ibox.tim.it, VODAFONE: web.omnitel.it, WIND: internet.wind

Username

Username: user name for accessing the APN (if required by the operator)

Password

Password: password for accessing the APN (if required by the operator)

- Press **(CLR)** to vary
- Press **(ENT)** to confirm
- Press **(ESC)** to go back
- Press **(ON)** to activate the uppercase and **(OFF)** to activate lowercase letters
- Press arrows **(←)** and **(→)** to position the cursor
- Press **(↑)** and **(↓)** to move
- Writing keys: **(1)**abc1 **(2)**def2 **(3)**ghi3 **(4)**jkl4 **(5)**mno5 **(6)**pqr6 **(7)**stu7 **(8)**vwx8 **(9)**yz. **(0)**_'0

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