XV 210 GPRS Control Panel

Description

The XV is a fully wireless alarm system. It can be powered by standalone batteries or connected to a power supply. This panel is intended mainly for residential and commercial markets.

With the Motion Viewers™ and Videofied® range of products, the XV panel provides video verification in case of intrusion.

The XV is a standalone alarm panel connected to a Monitoring Station through a GSM/GPRS transmitter.

The XV panel is equipped with an interface allowing to wire up to 2 TP200 speakerphones (with integrated microphone and speaker) for audio verification.

The XV panel has two wired programmable inputs and one wired programmable output.

In addition, thanks to the Mapping feature, the programmable inputs can be configured to trigger a video recording via a Motion Viewer™ Videofied® along with an event.

For specific applications, the XV alarm system offers the possibility to increase its Radio and/or GPRS performances through the connection of externally wired antennas.

Technology

The XV alarm panel, like all Videofied devices, uses the S2View® patented technology. Which is an interactive wireless and AES encrypted technology ensuring signal integrity and optimal security.

The reliability of the signal is guaranteed thanks to the two-way radio frequency transmissions with all the peripherals of the Videofied® product line.

The integrated antennas allow the system to be totally wireless, thus preventing from the system beeing inelegant and cumbersome, and eliminating the installation problems.

The jamming detection feature identifies any intentional jamming from a third party. On the other hand, the supervision feature consists of transmitting signals between every device of the system and the alarm panel XV. Through the supervision, the detectors transmit every 8 minutes a presence signal.
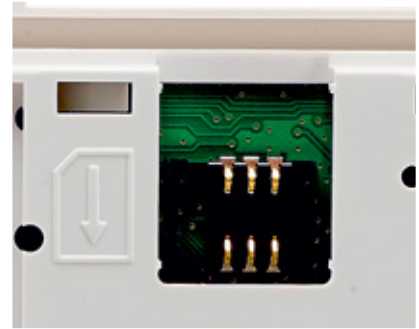
The entire RSI VIDEO TECHNOLOGIES team wishes you a successful installation.

1.1 SIM Card Installation

Before removing the front cover from its box, Put the SIM card on the plastic base (Take care to respect the right direction).

DO NOT insert or remove the SIM card while the panel is powered.

1.2 Panel mounting

Bracket holes
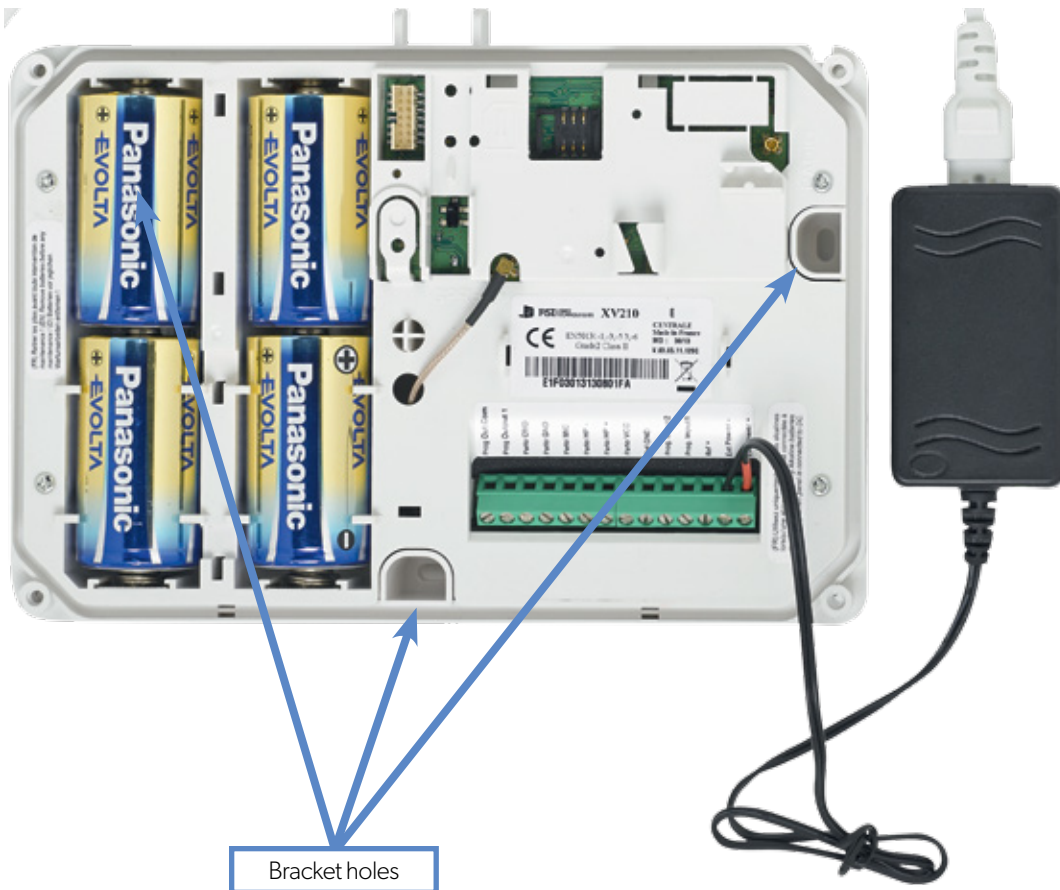
Fix the back casing on the wall using the three mounting holes as shown

Mounting the panel is not required for programming.

1.3 Powering and initialization

- The panel is powered either with a mains power supply with 4 backup LR20 Alkaline batteries (Option 1 recommended) or with 4 LSH20 Lithium batteries (Option 2).
- Press and hold the PROGRAMMING BUTTON for 10 seconds, until the indicator LED blinks twice.
- The panel is now reset, a CMA, XMA or XMB has to be enrolled to configure the panel.

*THE CONTROL PANEL **MUST BE CONNECTED** TO AN EXTERNAL POWER SUPPLY (OPTION 1) WHEN USING THE **RINGTONE** FEATURE OR **SMARTPHONE APP**.*

Option 1

Option 2

Programming button   Mains power supply
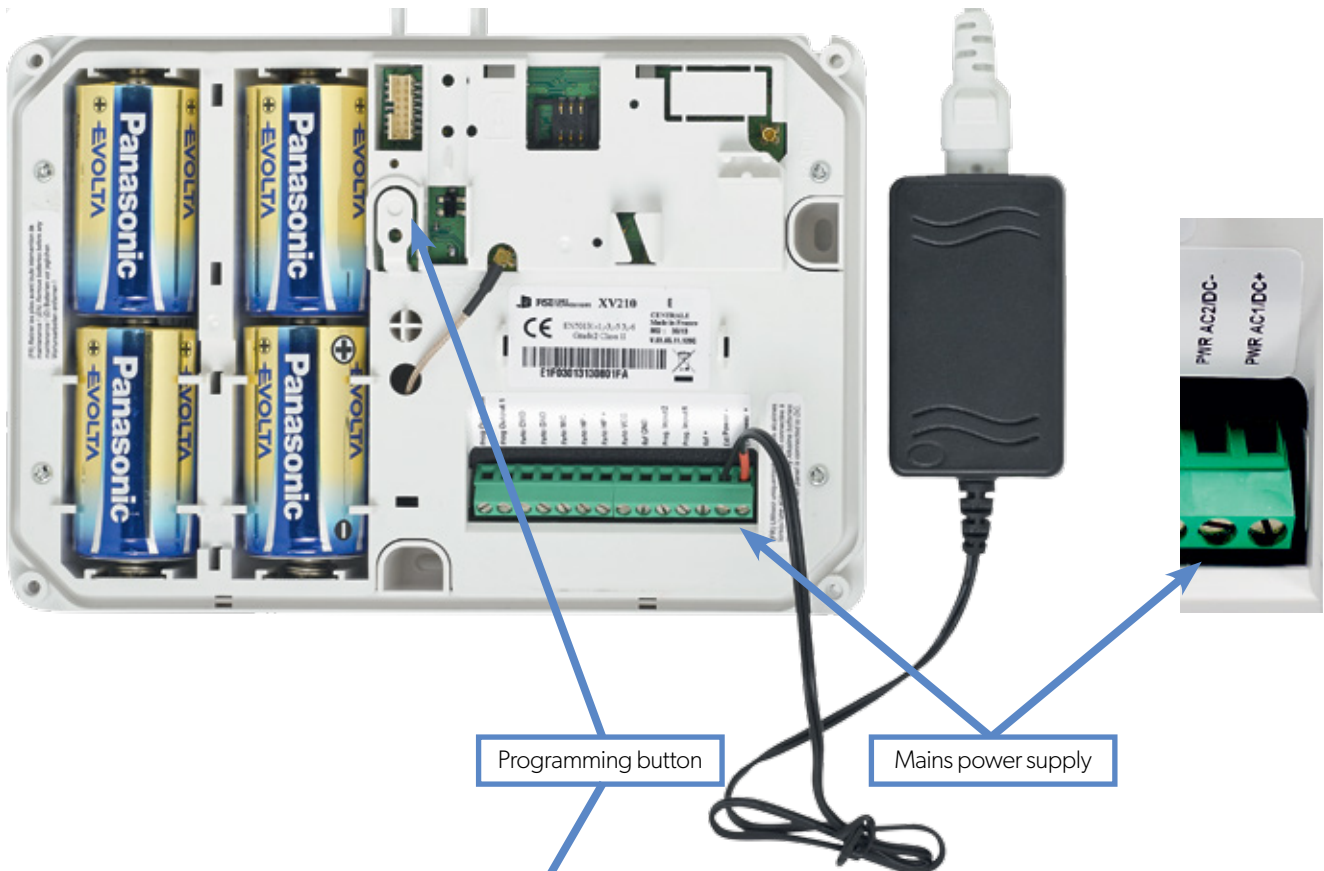
1.4 Pairing the remote keypad

- Press the XV programming button and release for the enrollment of a programming keypad.

- Insert all **LS14500 Lithium batteries** into the keypad.

- **Do not mount the keypad.** It will display one of the following screens:

RSI (c) 2013 videofied.com	**or**	<=========XX=========>

- **Press on both** CLR and **ESC NO keys at the same time** and release. The indicator LED on the keypad will blink rapidly. Wait for the keypad to pair.

- **If the keypad doesn't pair up with the panel** and shows «XX», it certainly means that it is still paired to another system and needs to be reset. Take the batteries out, and press repeatedly on the keypad tamper switch. Then proceed to the above steps.

Keypad Display

Actions and comments

KEYPAD 1
RECORDED

OK or YES

< - LANGUAGE : - >
ENGLISH (UK)

⤸ ⤸ for language selection
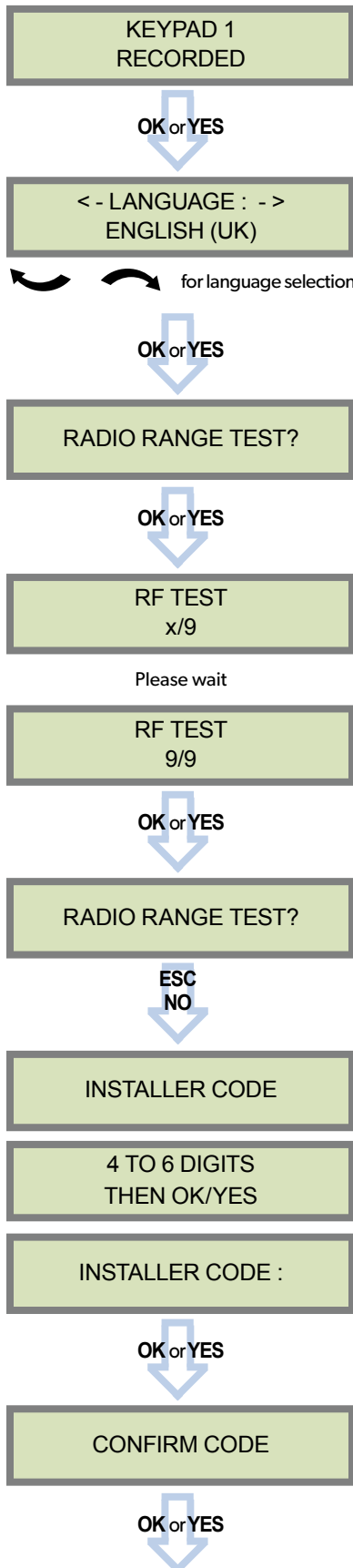
The system can also be programmed in: french, italian, german, dutch, spanish, swedish, portuguese, danish, czech and polish.

The language can be changed at any time once the panel is programmed in the MAINTENANCE menu.

OK or YES

RADIO RANGE TEST?

OK or YES

RF TEST
x/9

Please wait

RF TEST
9/9

The Radio Range test must be run during the device learning process in order to ensure proper pairing with the control panel. This test measures the strength of communication between the device and the control panel. The keypad will display a real time radio range value on a scale of 9.

To receive the most accurate results you must run the radio range test for at least 30 seconds.

OK or YES

RADIO RANGE TEST?

Result must be 8 out of 9 or better for reliable transmission.

ESC
NO

INSTALLER CODE

4 TO 6 DIGITS
THEN OK/YES

Using the Alphanumeric Keypad, enter the Installer Code of your choice.

INSTALLER CODE :

The Installer Code will be used for all future maintenance and configuration.

This code is important to keep track of.

There is no back door or Default codes to the system.

OK or YES

CONFIRM CODE

Please refer to the restriction rule for codes (Chapter 4.4). Some codes are already used by default and therefore cannot be used.

OK or YES

Keypad display

Actions and comments

You may name the installer code using the Alphanumeric Keypad.

If using automatic setting (called installer default list), enter the name of the list.

Warning : If the wrong installers list name is used it cannot be set later, the system must be defaulted.

Leaving the name blank by pressing **ESC NO**, it will be named 'ACCESS 1' by default.

CODE NAME :

OK or **YES**

ACCESS 1
REGISTERED

Please wait

ADJUSTING DATE
AND TIME

DATE (YEAR):
12/ /

To set the year

OK or **YES**

DATE (MONTH):
13/01/

To set the month

OK or **YES**

You may proceed in the same way for:
Day, **Hour** and **Minutes.**

13/10/14 10:47
ENTRY COMPLETE !

CONNECTED TO
MONITOR. STATION?

OK or **YES**

**ESC
NO**

ACCOUNT NUMBER :

Use the Alphanumeric Keypad to enter in a 4-8 digit account number provided by the Central Station.

ACCOUNT NUMBER :
567001

OK or **YES**

Keypad display

Actions and comments
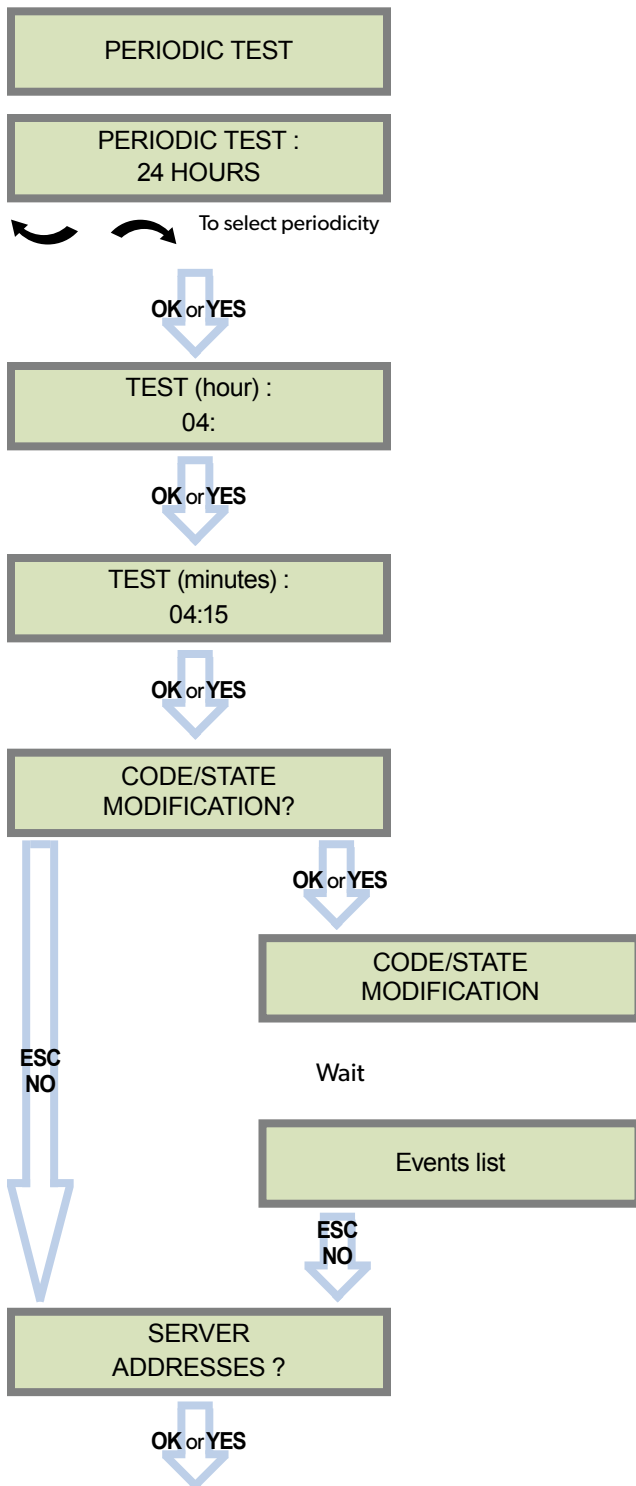
PERIODIC TEST

Test Periodicity: 1 hour, 12 hours, 24 hours, 48 hours, 7 days or no tests.

PERIODIC TEST :
24 HOURS

We suggest a 24 hours periodic test call.

To select periodicity

OK or **YES**

TEST (hour) :
04:

OK or **YES**

TEST (minutes) :
04:15

OK or **YES**

CODE/STATE
MODIFICATION?

OK or **YES**

CODE/STATE
MODIFICATION

The CODE/STATE MODIF. menu is to configure the transmitted events to the monitoring station, use the arrow keys to toggle between events and **OK or YES** to modify.

**ESC
NO**

Wait

ALARM: event transmitted upon occurrence.

ALARM/END: event is transmitted on occurrence and on event restoral.

Events list

NOT TRANSMITTED: event is not transmitted, however it will appear on the keypad.

**ESC
NO**

Please liaise with your Monitoring Station to ensure that the requested events to transmit are correctly set.

SERVER
ADDRESSES ?

OK or **YES**

SERVER
ADDRESSES ?

OK or **YES**

IP1 ADDRESS
0.0.0.0

DOMAIN NAME 1

PORT 1
888

ESC
NO

SERVER
ADDRESSES ?

ESC
NO

2G3G
PARAMETERS ?

OK or **YES**

APN CODE
internet-entrepr

USER NAME
orange

PASSWORD
orange

ESC
NO

2G3G
PARAMETERS ?

ESC
NO

2G3G LEVEL ?

The **IP1 address**, **Domain name 1** and/or **Port 1** are provided by the monitoring station. *Leave Port details at 888 unless otherwise instructed.*

Press **OK or YES** to enter/modify the parameter then **OK or YES** for validation.

WARNING : You will use either an **IP address** or a **Domain name** but **not both**, leave the **Domain name** blank if an **IP address** has already been entered.

Press on the right arrow to configure IP/Domain name 2 and PORT2 (for the back-up server), and IP/Domain name TMT and PORT TMT (to configure remote maintenance server).

The **APN Code** (Access Point Name), **User Name** and **Password** are supplied by the mobile operator. Please make sure you have entered the code exactly as indicated by your local SIM card operator.

Press **OK or YES** to enter/modify the parameter then **OK or YES** for validation.

Note: When entering your SIM card settings, both APN codes, username and password fields are case sensitive! It makes a difference between UPPER and lower case letters.

To switch between UPPER and lower case, use the M/m key from CMA keypad or hold a digit key (0-9) for XMA/XMB.

2G3G LEVEL ?

OK or **YES**

TEST IN PROGRESS
END = OK/YES

Please wait

2G3G LEVEL
5/5

OK or **YES**

2G3G LEVEL ?

**ESC
NO**

COMPATIBILITY
EN 50131 NORMS ?

OK or **YES**   **ESC
NO**

AREAS CONFIGURATION

OK or **YES**

AREA 1 NAME :

OK or **YES**

EXIT DELAY :
45 sec

For the selection

OK or **YES**

ENTRY DELAY :
15 sec

For the selection

OK or **YES**

Once the 2G3G test completed, the keypad will display one of the following results :

- A level between 0/5 and 5/5.

- A GPRS Error code (please see Chapter 6 : 2G3G errors codes and contact your technical support).

If the screens shuts down, press any key to light it up except **OK or YES**, **ESC NO** ou **CLR**.

The 2G3G level test can last several minutes. Do not interrupt the test or remove the SIM card during the test.

IMPORTANT : Videofied will require a 3/5 grade or better for reliable transmission of Video alarms.

For full compatibility with EN50131, press **OK or YES**.

Otherwise, press **ESC NO.**
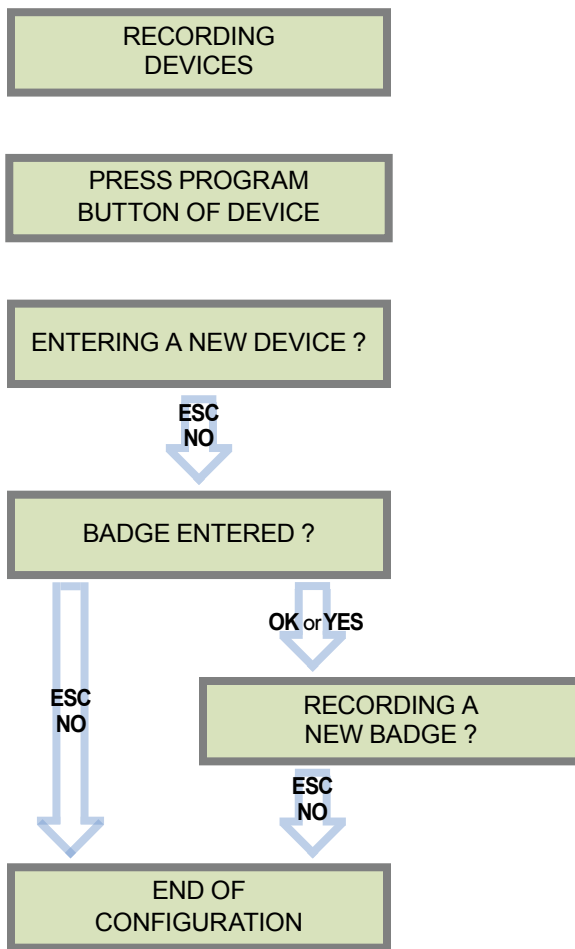
Press **ESC NO** to default the area names.

Enter the name of the area 1 and **OK or YES**.

Repeat the procedure for areas 2,3 and 4.

For further details, please refer to chapter 4.3.

Other values are available: 2 min, 1 min, 45 sec.

Other values are available: 2 minutes, 1 minutes, 45 seconds,30 seconds or 15 seconds.

RECORDING
DEVICES

PRESS PROGRAM
BUTTON OF DEVICE

ENTERING A NEW DEVICE ?

**ESC
NO**

BADGE ENTERED ?

OK or **YES**

**ESC
NO**

RECORDING A
NEW BADGE ?

**ESC
NO**

END OF
CONFIGURATION

OPERATION
COMPLETED ?

OK or **YES**

SYSTEM CHECK
IN PROGRESS

INSTALLATION SUCCESSFUL !

Each device has a unique programming button or a specific manipulation. Please refer to the Installation Sheet for the device you would like to program.

Please check the radio level of each device on its final location. The result must be 8 out of 9 as a minimum (please refer to the Radio Range section, page 8 for further details).

Each system can embrace a maximum of 25 devices, **programming keypad included.**

Press **OK or YES** to enter a new device or **ESC NO** to move to the next step.

After initial programming has been completed, the system cannot be armed or disarmed until a user code or badge is entered (the installer code cannot arm or disarm the system).

Press **OK or YES** to register one or more badges. **ESC NO** if you're not using any badges.

If you wish to use an user code, please skip this step and once the system configuration done go to the BADGES/ACCESS CODES menu (please refer to chapter 4.4 for further details).

Badges and codes are limited to 19 for user (level 2 or 3) + 1 installer code.
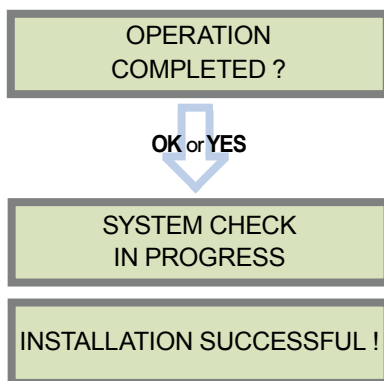
Before completing programming make sure that no device is tampered. Each device must be closed and its LED indicator shall be turned off.

After this first configuration, do not hesitate to report on the Synoptics menu to have more visibility on all functionalities.

The XV panel also enables audio verification via two way voice communications. It is possible to connect up to two TP200 speakerphones.

The TP200 intercom terminal is, for security reasons, separated from the alarm panel.

The two way voice communications are established over the cell network.

Therefore, for the audio verification to work, the SIM card needs voice service to be activated.

Speakerphone wiring

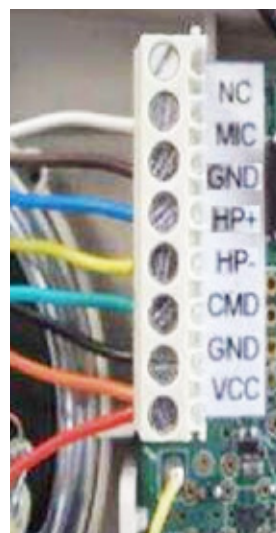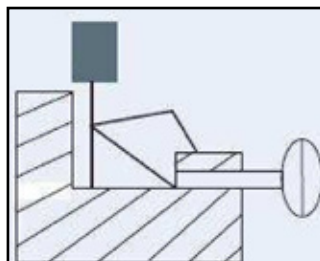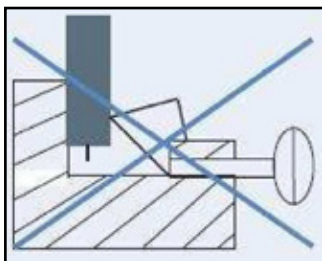Panel   Intercom terminal

PARLO CMD
PARLO GND
PARLO MIC
PARLO HP-
PARLO HP+
PARLO VCC

MIC
GND
HP+
HP-
CMD
GND
VCC

To ensure a good quality audio verification:
- Thoroughly follow the wiring diagram.
- Power and ground are doubled to maximize the possible panel/speaker distance.
- Maximum 2 (two) connected TP200 per panel.
- Parallel wiring required if 2 TP200s are connected.
- Maximum combined length: 40 m, if the first TP200 is 30 meters far from the panel, the maximum length of the second cable (for 2nd TP200) will be10 meters.

In case of acoustics problems:
- The TP200 module has to be fixed to the wall to eliminate vibrations.
- The TP200 module has to be fixed minimum 1 meter away from the panel. In order to avoid interferences with the panel GPRS/GSM module.
- To improve the quality of the two way voice communication, moving the panel or TP200 position by only 10 cm can be efficient.
- The two way voice communication is full duplex. After the voice challenge, it is important for the operator to switch off his microphone and to deactivate his speaker when listening in. This will limit the risks of Larsen effect, sound saturation or other echo canceling related problems.

4.1 Get to Access level 4

| Tue 29/10   11:23
 DISARMED   LVL:1 | | ACCESS LEVEL
 1 | OK or YES | ACCESS LEVEL
 LEVEL : 1 |

ACCESS LEVEL
LEVEL : 4

OK or YES

BADGE OR CODE

OK or YES

To unlock and get access to the installer level 4, you need to successively enter TWO codes (in any order) :

- INSTALLER CODE (entered during intial programming)

- USER CODE (Level3): the user must authorize the installer to get access to the configuration of his panel.

4.2 How to Arm/Disarm the System

When in standby mode, the system can be armed with the remote keypad, the remote keyfob and/or the remote badge reader.

	Full arming with personal code	Full arming with badge	Special Arming 1	Special Arming 2
With remote keypad	Enter your user code and press OK or YES	Present your badge on the keypad (XMB model only)	Press / enter your user code and press OK or YES	Press / enter your user code and press OK or YES
With remote badge reader BR250	N/A	Present your badge on the badge reader	N/A	N/A
With remote keyfob	N/A	N/A	Press	Press

4.3 Arming and Siren mode Configuration

• Use the ⟍ ⟋ to go to menu :

CONFIGURATION (LEVEL 4) > S**PECIAL ARMING MODES > FULL ARM, SP1 or SP2** use direction arrows to select the arming mode you want to modify and **OK / YES.**

• **There are 3 different arming modes :**

FULL ARM : Arming of all areas and all devices. Use a badge or a user code and press **OK** / 🔒 on the XMA/XMB keypad or the **YES** key on the CMA keypad.

SP1 : Partial Arming (1) is enabled by entering the user code and pressing ⬜ on the XMA/XMB keypad, the 🏠 key on the CMA keypad or 🔢 on the remote keyfob RC.

SP2 : Partial Arming (2) is enabled by pressing the 🏠 key on a XMA/XMB keypad, 🔢 on a CMA keypad, or 🔢 on the remote keyfob RC.

For each arming mode, it is possible to specify how each of the 4 areas will be armed and how the system will behave during an alarm.

Areas :	1	2	3	4	Each time you press the corresponding number, the system will toggle the arming state for the respective area.
State :	A	A	A	A	Press **OK / YES** after this configuration step. The system will then display what siren mode will be in effect for this special profile. Select the siren mode using the direction arrows then press **OK / YES**.

A	**Armed**
D	**Disarmed**
P	**Perimeter** (by default : all opening contacts*)
E	**External** (by default : all opening contacts with external access*)

Siren	Immediate triggering of all sirens
Delay Beeps	Entry/Exit delay beeps, then triggering of all sirens
Silent	No Sirens, No Beeps
Without Siren	Beeps on the keypad only

* You can set your devices as : External, Perimeter, ou External +Perimeter. Please go to the menu:

CONFIGURATION (LVL 4) -> AREAS AND DEVICES -> DEVICES -> DEVICES CONFIGURATION -> DEVICE TYPE

4.4 Manage badges and access codes

Access Level

Access Level	Definition & Rights
LVL 1	Standby Level
LVL 2	**Restricted USER level,** where it is only possible to arm/disarm the system.
LVL 3	**USER level,** where it is possible to arm/disarm the system, check the event log, test the devices. Modifications of the settings are not possible at this level. User **Level 3** can create **Level 2** or **Level 3** access codes or badges.
LVL 4	**INSTALLER level,** where it is possible to modify the setup of the panel. . To access **Level 4**, the approval of a **Level 3** oe **Level 2** user is required. Installer **Level 4** can create the first **Level 3** access code only.

Codes and badges get rights access to one of the 4 available levels of access.

How to return to the LVL1?

- After 1 min of no use of the keypad and no tests running, the display returns to the standby display and LVL1.

- When standby display, if the **ESC NO** key is held during 5s, the level is changed to LVL1.

Enter a new end user Badge/Code
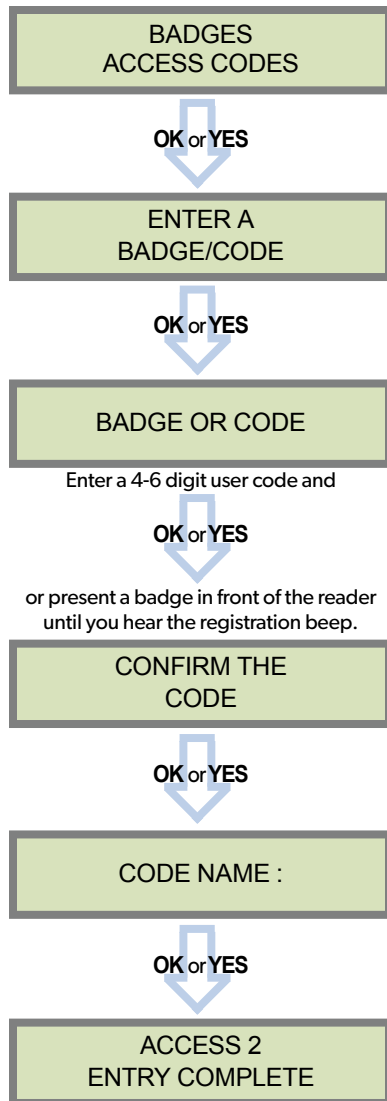
Delete an end user Badge/Code

BADGES
ACCESS CODES

OK or **YES**

ENTER A
BADGE/CODE

OK or **YES**

BADGE OR CODE

Enter a 4-6 digit user code and

OK or **YES**

or present a badge in front of the reader
until you hear the registration beep.

CONFIRM THE
CODE

OK or **YES**

CODE NAME :

OK or **YES**

ACCESS 2
ENTRY COMPLETE

ENTER A
BADGE/CODE

Press twice on the
right arrow

DELETING
BADGES/CODES

OK or **YES**

Badges/codes list

Select badge/code
then

OK or **YES**

DELETING CODE
ACCESS 5

OK or **YES**

CODE
DELETED

Reserved Codes

Up to 19 codes (or badges) can be registered into the panel with the engineer code.

A code has 4 to 6 digits (0 to 9).

The table presents the **reserved** code possibilities that cannot be used.

Those codes are used for maintenance or as panic/duress codes.

A total of 186 codes are forbidden.

Reserved Codes
000000
From 9998 to 9999
From 99998 to 99999
From 999898 to 999999
From 314157 to 314159
All user codes +1
All user codes +2
All user codes -1
All user codes -2

When a code is created (1000 for example), the 2 next codes and previous codes (0998, 0999, 1001 and 1002) will be automatically reserved.

The +1 code (1001) is used for disarming under duress.

The +2 code (1002) is used for panic.

The -1 and -2 codes (0998 et 0999) are reserved to prevent conflicts when creating a new user code.

4.5 Delete the keypad or any other device

```
┌─────────────────────┐          ┌─────────────────────┐
│   ACCESS LEVEL      │   ⤵      │   CONFIGURATION     │
│        4            │          │                     │
└─────────────────────┘          └─────────────────────┘
                                          │
                                      OK or YES
                                          ▼
                          ┌─────────────────────┐          ┌─────────────────────┐
                          │     GENERAL         │  ⤵ ⤵     │   AREAS AND         │
                          │   PARAMETERS        │          │    DEVICES          │
                          └─────────────────────┘          └─────────────────────┘
                                                                    │
                                                                OK or YES
                                                                    ▼
                                                        ┌─────────────────────┐
                                                        │     DEVICES         │
                                                        └─────────────────────┘
                                                                    │
                                                                OK or YES
                                                                    ▼
                                                        ┌─────────────────────┐
                                                        │    ADD A NEW        │
                                                        │     DEVICE          │
                                                        └─────────────────────┘
                                                                ⤵
                                                        ┌─────────────────────┐
                                                        │     DEVICE          │
                                                        │  CONFIGURATION      │
                                                        └─────────────────────┘
                                                                OK or YES
                                                                    ▼
                                                        ┌─────────────────────┐
                                                        │   Devices list      │
                                                        └─────────────────────┘
                                                        ⤵  ⤵  to select the device
                                                               and press
                                                                OK or YES
                                                                    ▼
                                                        ┌─────────────────────┐
                                                        │   A1 : KEYPAD       │
                                                        │    KEYPAD 1         │
                                                        └─────────────────────┘
                                                                OK or YES
                                                                    ▼
                                                        ┌─────────────────────┐
                                                        │     DELETE          │
                                                        └─────────────────────┘
                                                                OK or YES
                                                                    ▼
                                                        ┌─────────────────────┐
                                                        │  < = = = = XX = = = = > │
                                                        └─────────────────────┘
```
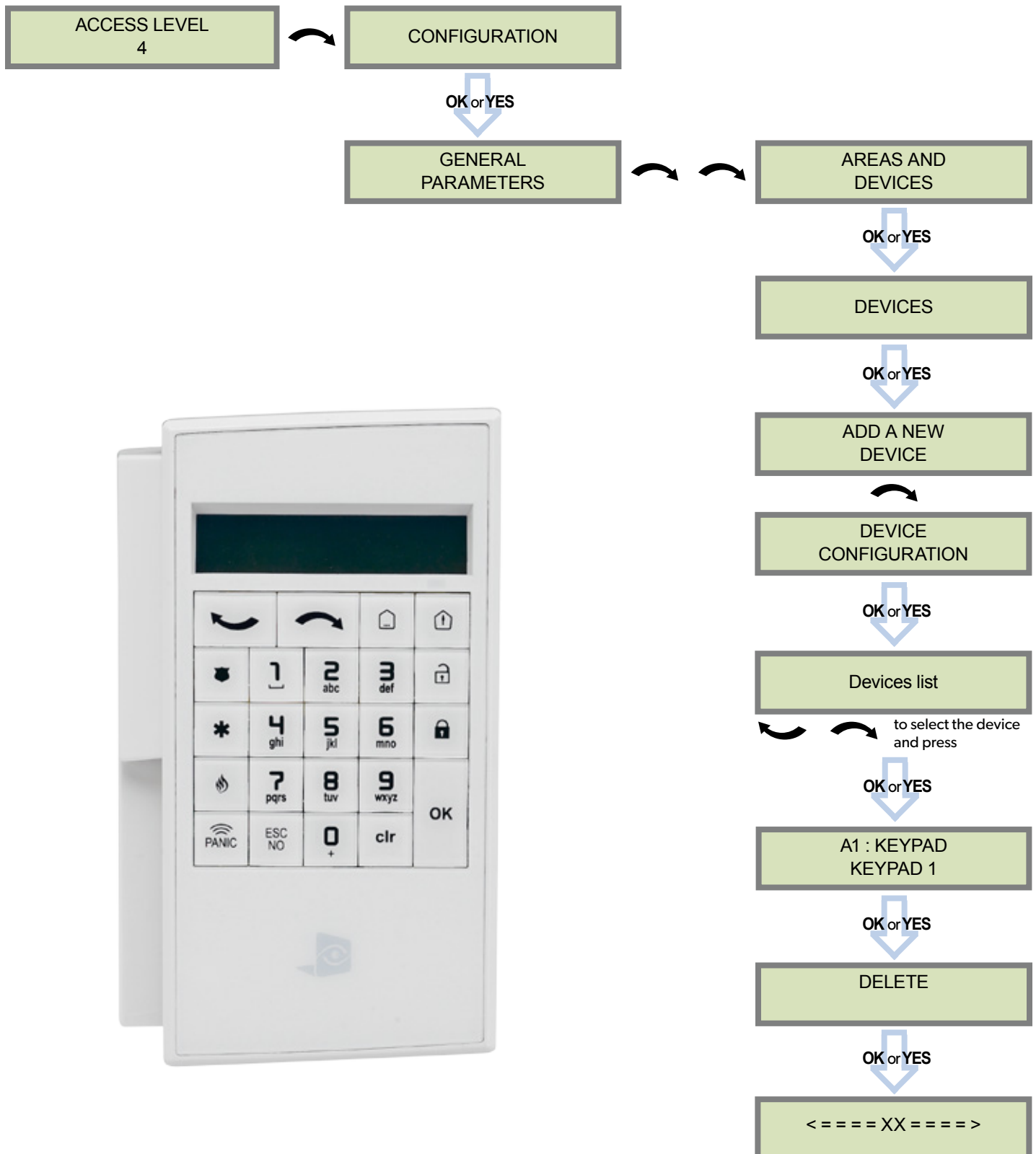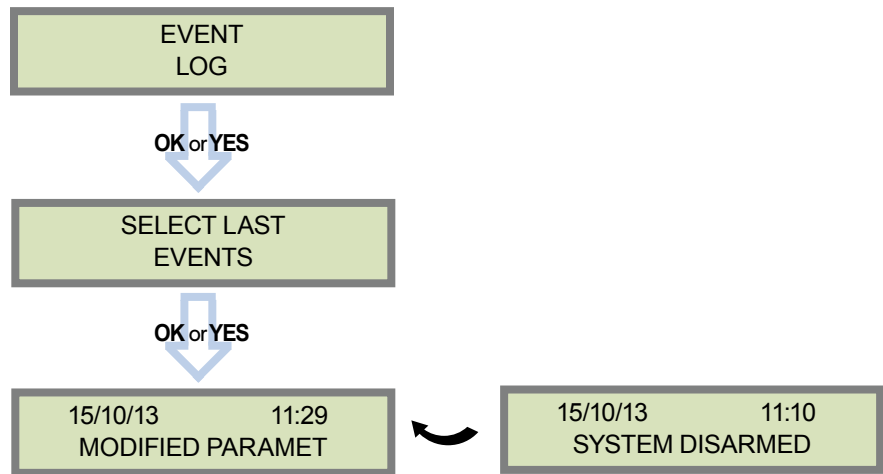
You can now remove the batteries from the device

4.6 Read the event log

When user disarms the system, the keypad indicates the last event.

In case of the user needs to read the full log file, use the keypad to go in EVENT LOG, press **OK or YES** on SELECT LAST EVENTS and use arrow to list the events.

```
EVENT
LOG
```

OK or **YES**

```
SELECT LAST
EVENTS
```

OK or **YES**

```
15/10/13          11:29
MODIFIED PARAMET
```

```
15/10/13          11:10
SYSTEM DISARMED
```

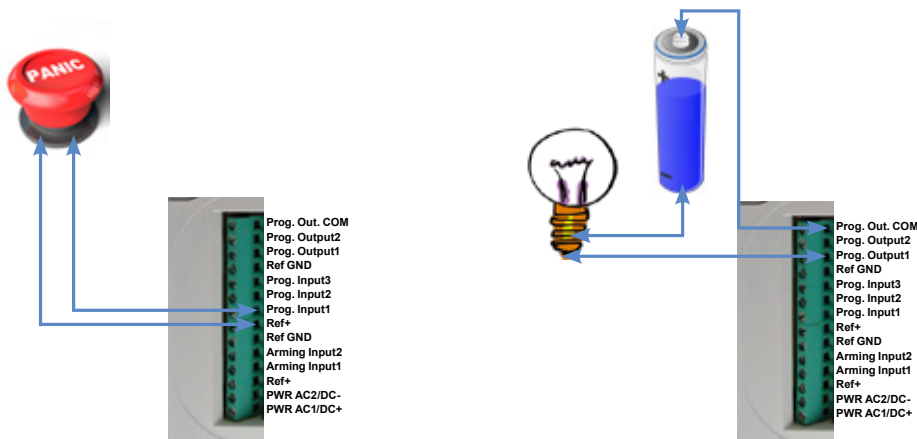Press **OK or YES** for more information about an event

4.7 Programmable inputs and outputs

The XV control panel has 2 programmable inputs and 1 programmable outputs. Please note that we advise to connect the panels to a power supply when using programmable inputs. These functions allow the linking of Videofied® security systems to auxiliary equipment such as panic buttons, pepper spray, smoke generator, hard-wired door contact, light curtain, etc.

PROGRAMMABLE INPUT 1 and PROGRAMMABLE INPUT 2 are triggered by voltage between 9V and 15V and an intensity between 1,5mA (@9V) and 3mA (@15V). If a dry contact is used to trigger the programmable inputs, the REF+output can be used to supply this dry contact.

PROGRAMMABLE OUTPUT 1 can be triggered either by a panel event, by a peripheral device or by an external event such as a programmable input or a arming input.

The XV control panel also offer a mapping feature. Mapping option allows the input to generate a video-clip via a MotionViewer when a programmable input is triggered and/or when an event occurs.

```
Prog. Out. COM
Prog. Output2
Prog. Output1
Ref GND
Prog. Input3
Prog. Input2
Prog. Input1
Ref+
Ref GND
Arming Input2
Arming Input1
Ref+
PWR AC2/DC-
PWR AC1/DC+
```

```
Prog. Out. COM
Prog. Output2
Prog. Output1
Ref GND
Prog. Input3
Prog. Input2
Prog. Input1
Ref+
Ref GND
Arming Input2
Arming Input1
Ref+
PWR AC2/DC-
PWR AC1/DC+
```

For further information about the programmable inputs and outputs, please consult the following application notes available on our support website:
240-XV-XT - PROG INPUTS - APP NOTE
240-XV-XT - PROG OUTPUTS - APP NOTE

4.8 Golden rules

1   Area 1 is always **delayed.**When you register a keypad or a badge reader into an area, that area will automatically be delayed.

2   **Never position** a panel next to **a high voltage electrical cabinet** .

3   Press CLR to erase a typing mistake.

4   Never register the same device twice (delete from the system first).

5   Registration of **up to 25 devices** (including the keypad).

6   Respect indoor infrared devices installation height (**2m10 to 2m30)**.

7   Outdoor cameras have to be installed at **2m60 to 3 meters height**. Those devices needs to to protect an access and not a zone.

8   Do not fix the keypad at the beginning of the installation as it will need to be portable during programming.

9   **Always clean** the lens of the cameras after the installation (Use a clean, dry cloth, taking care not to exert pressure on the lens).

10   To switch between UPPER and lower case, use the M/m key from the CMA keypad or hold a digit key (0 to 9) for XMA/XMB.

11   Internal components are fragile, be careful opening or closing the panel.

12   LCD screen goes dark after 30 seconds of inactivity, press an arrow or numeric key to light it up.

13   Use only batteries provided by Videofied (siren : Alkaline batteries).

14   Infrared detectors should never be installed in stairs or close to stairs (false alarm risks).

15   A colon display [:] means that the parameter can be changed.

The XV panel can be configured to enable or disable the transmission of events like alarms or defaults.

The installer can modify the default sending settings for those events, although it will end the EN50131 standard compliance.

These are the default transmitted events :
DEVICE (intrusions) ALERT (Panic Buttons) PANEL LOW BATT. TAMPER DEVICE LOW BATT. PERIODIC TEST DURESS CODE FIRE MEDICAL ASSIST. ETHERNET CABLE AC POWER LOSS (AC Power supply)

| The following events are not sent by default : |
|---|
| PANEL RESET
PHONELINE FAULT
RADIO JAMMING
SUPERVISION
5 WRONG CODES
ALARM CANCEL
ARM/DISARM (On/Off)
ZONE BYPASS (bypass function enabling/dsiabling)
SWINGER SHUTDOWN |

There is 3 different transmission states :
ALARM : event transmitted upon occurrence
ALARM/END : event is transmitted on occurrence and on event restoral
NOT TRANSMITTED : event is not transmitted, however it will appear on the keypad.

Example :

If the monitoring station system is set to receive arms and disarms, the **ARM / DISARM** parameter must be changed from **NOT TRANSMITTED** to **ALARM / END**.

How to modify the transmission state

• **At initial programming, right after the PERIODIC TEST CALL step:**

CODE/STATE
MODIFICATION
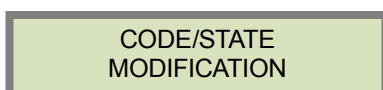
Press **OK or YES** to access **EVENT TRANS. MODIFICATION** menu.

• **After initial programming, using a remote keypad :**

Use the arrows   to access :

CONFIGURATION (level 4) > **CONFIGURATION MONITOR. STATION** > **MONITORING PARAMETERS** > **EVENT TRANS. MODIFICATION**

Then use the arrows   to determine the event to modify. Press **OK or YES** to edit.

IMPORTANT: The PIN of the SIM card has to be deactivated or 00000.

The following is a list of error codes that can appear after the 2G3G test.

2G3G LEVEL :
ERROR XXX

In case of 2G3G (GPRS) errors during initial programming, we strongly suggest to continue with the installation and perform the 2G3G (GPRS) level test again once achieved.

This error checklist is provided for information purposes only.

This is not a comprehensive list, but it is representative of most cases. Some events or codes are subject to change by SIM card operators.

However, the GPRS level test errors results in the majority of cases have the following causes :

- **SIM Card activation Delay:**

Some operators require an additional delay up to 48 hours to activate automatic data transmission. Please check with your operator prior to installation.

- **APN CODE, USERNAME and PASSWORD :**

The GPRS (2G3G) settings are supplied by the operator. Please make sure you have entered the code exactly as indicated by your local SIM card operator.

Note: When entering your SIM card settings, both APN codes, username and password fields are case sensitive! (It makes a difference between UPPER and lower case letters) .

To switch between UPPER and lower case, use the M/m key from CMA keypad or hold a digit key (0-9) for XMA/XMB.

- **Insufficient GPRS Network:**

When the panel is unable to find any signal, proceed to GPRS level test in another location on site. You can also find the network state or condition of use by directly contacting your local operator.

Codes	Errors
03 ou 04	No network coverage or no SIM card inserted
003	SIM card not detected/not inserted
010	SIM not inserted
011	PIN code necessary -> *PIN code must be deactivated*
012	PUK code necessary, SIM card blocked
013	Default SIM card
014	SIM card busy
015	Error on SIM
030, 043, 057, 102, 132, …	• No network coverage • Typographical error in the APN Code, username, password • SIM card not activated

Notes de sécurité / (EN) Security notes / (DE) Hinweise zur Sicherheit

Français
- Retirez les piles avant toute opération de maintenance !
- Attention ! Il y a un risque d'explosion si l'une des piles utilisées est remplacée par une pile de type incorrect !
- Respectez la polarité lors de la mise en place des piles !
- Ne jetez pas les piles usagées ! Ramenez-les à votre installateur ou à un point de collecte spécialisé.

English
- Remove battery before any maintenance !
- WARNING, there is a risk of explosion if a battery is replaced by an incorrect type!
- Observe polarity when setting up the batteries!
- Do not throw used batteries! Bring them to your installer or a collection point.

Deutsch
- Batterien vor jeglichen Wartungsarbeiten entfernen!
- Vorsicht, es besteht Explosionsgefahr, wenn eine Batterie durch eine Batterie falschen Typs ersetzt wird!
- Achten Sie beim Einsetzen der Batterien auf die Polung!
- Entsorgen Sie Batterien nicht im normalen Haushaltsmüll! Bringen Sie Ihre verbrauchten Batterien zu den öffentlichen Sammelstellen.

Electrical data

Power requirements (option 1)

Power supply Type B	9-12VDC / 1,2A
Low voltage limit	5,15V
Backup	6V with 4 x 1,5 V D Alkaline batteries /LR20
Low battery limit	4,2V
Battery life (average)	1 year
Average current consumption (over 1h)	450µA
Max current	1,2A

RF S^{2}View® Technology

Radio type	Bidirectional RF
Operating frequency	868/915/920 MHz
Transmission security	AES algorithm encryption
Radio jam detection	Yes
Supervision	Yes
Antenna	Integrated
External radio antenna	Yes via MMCX connector

Tamper detection

Tamper	Wall and cover tamper detection

Programmable wired input

Number	2
«Dry» contact	Yes
Input voltage	12 VDC (15VDC max)

Programmable wired outputs

Number	1
Max switching voltage	24VDC /30VAC
Max switching current	1A
Max switching power	30 W

Approvals

EN50131-1: 2007 - Grade 2 – Class II
EN50131-3:2009 - Grade 2   &   **RTC 50131-3**:2009
EN50131-4:2009 Grade 2   &   **RTC 50131-4**:2009
EN50131-5-3:2005 - Grade 2
EN50131-6:2008 Grade 2 –Type B &   **RTC 50131-6**:2008
NF C 48-212:2004
NF EN50130-4:1995; A1:1998; A2:2003
NF EN50130-5: 1998 Class II

GPRS Transmission

Communicator

Communicator type	GPRS/Ethernet
Security Protocol	Frontel
IP Stack	TCP/IP
Video transmission	By Frontel protocol to central monitoring station
GPRS antenna	Integrated
External GPRS antenna	Yes via MMCX connector

Video

Video format	MPEG
Video size	Depending on camera type
Video length	10 seconds

Miscellaneous

Programming	With remote Keypad
Remote Devices per system	25 maximum
Access Badges/codes	20 maximum
Special arming mode	4
Number of Areas	4
History / Event log	4,000 events stored on flash memory

Box

Physical and Environmental Data

Operating temperature	-10°/+40°C
Maximum relative humidity	75%, non-condensing
Material	ABS—ULV0
Dimensions	225 mm x 180 mm x 55mm (LxWxD)
Weight	520gr (without batteries) / 1600gr (with batteries)

Installation/Mounting

Control Panel/Base

Two screws secures control panel cover to base; Three screws secure control panel base to the wall

C E

EMEA SALES
23, avenue du Général Leclerc
92340 BOURG-LA-REINE
FRANCE
E-Mail : emeasales@rsivideotech.com

North American Headquarters
1375 Willow Lake Blvd, Suite 103
Vadnais Heights, MN 55110
USA
E-Mail : usasales@rsivideotech.com