

Installation Manual

Subscriber linked to the monitor station by GPRS
for video and audio confirmation

*XL GPRS means XL600GPRS for USA/Canada, XL700GPRS for Australia and
XL200GPRS for Europe and rest of the world.*



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For further information, consult the installation manual :

- Installation data sheet "Keypad"
- Installation data sheet "Indoor MotionViewer™"
- Installation data sheet "Outdoor MotionViewer™"
- Installation data sheet "Motion detector"
- Installation data sheet "Indoor siren"
- Installation data sheet "Outdoor siren"
- Installation data sheet "Remote control"
- Installation data sheet "Silent Panic Keyfob"
- Installation data sheet "Proximity Reader"
- Installation data sheet "Motion detector"
- Installation data sheet "Control relay"
- Installation data sheet "Smoke detector"
- Installation data sheet "Synoptics of the menus"

Regulatory Information for USA

FCC Part 15 Changes or modifications made to this equipment not expressly approved by RSI Video Technologies may void the FCC authorization to operate this equipment.

FCC Part 15 Class B This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the affected equipment and the panel receiver to separate AC power outlets, on different branch circuits.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules and with RS-210 of Industry Canada. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

RF Exposure Warning: During operation, the user has to keep a minimum separation distance of 20 cm with the RF devices.

For Canada:

Le présent matériel est conforme aux spécifications techniques applicables d'Industrie Canada.

L'utilisation de ce dispositif est autorisée seulement aux conditions suivantes : (1) il ne doit pas produire de brouillage et (2) l'utilisateur du dispositif doit être prêt à accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre le fonctionnement du dispositif.

The XL GPRS panel is specially designed for monitoring. It incorporates the main functions available in the VISIO panel range, including in particular:

- Video verification
- Radio range measurement
- A 24/24 area
- Automatically scheduled rearming (15 mins to 2 days)
- The immediate processing of contacts opened during the arming.

The XL panel is a comprehensive alarm panel which incorporates a GPRS/GSM transmitter, a 105dB siren, a microphone and a loud-speaker for audio verification, a touch-sensitive, back-lit keypad and a badge reader.

Powered by 8 LR20 alkaline batteries and linked to the detectors via a secure radio frequency, the XL panel is entirely wireless and, for normal uses, will operate independently for 4 years.

All Videofied devices are compatible with the XL (except for the SE250 external siren, replaced by the SE250, and the RAR100).

• Installation principles

In order to be configured and installed on-site, the XL requires the temporary use of a CMA-type external keypad.

This can be removed from the system once the installation has been completed, tested and approved.

• How it works

Once armed, an intrusion or 'panic' call sets off its integrated siren and informs the remote surveillance centre of the events detected.

The centre's operator can then view the videos available and request further audio verification once or a number of times.

The operator can thus switch as he wishes from an audio session to a video session (provided he is using FRONTEL SERVICES or FRONTEL RECEPTION BAY).

The audio verification is carried out via a GSM call in full duplex.

• Characteristics of the XL panel

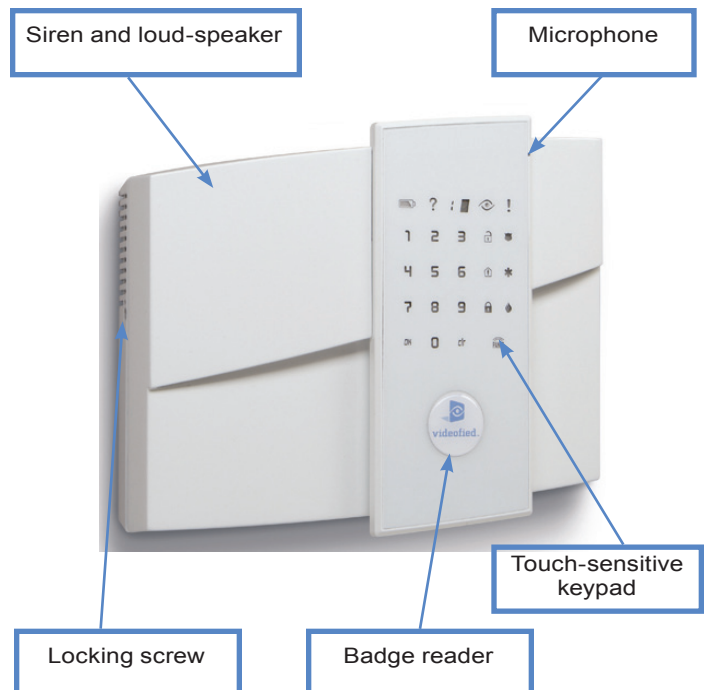
The XL panel incorporates:

- A GPRS/GSM transmitter
- A badge reader (2 tags included)
- A 105dB siren
- A microphone and loud-speaker for audio verification

The XL panel is powered by 8 LR20 alkaline batteries.

The XL panel supports:

- 19 codes or badges (users and installer)
- 19 devices of all types without distinction, including the CMA keypad for programming.



1. Preparation before programming

On a piece of paper :

• Name the 4 geographical zones

A geographical zone corresponds to a surface where all the sensors are armed/disarmed together. A partial arming profile is a combination of geographical zones which are either armed or not. By using the examples below, you are going to meet most of the requirements.

Area	A magazine	Area	A person
1	ENTRY DELAY	1	ENTRY DELAY
2	MAGAZINE	2	RDC
3	STOCK	3	FLOOR or OFFICE
4	DISCOUNT	4	GARAGE

(The 1st geographical zone is inevitably delayed)

• Name the devices

Be as explicit as possible because in case of intrusion, it is this device's name that will display on the keypad and transmit to the monitoring station. Example : **CAM HALL ENTRANCE** (for a camera at the entrance).

• **Allocate a geographical zone** (from 1 to 4) to each device.

• **Define the partial arming profiles** (combinations of areas, see paragraph 5 and the partial programs on page 7).

• **Ask the end user to prepare his/her codes** (18 maximum access codes with 4 to 6 numbers per code).

2. The golden rules

- 1 The **area 1** is always **delayed**.
- 2 **Never** place the panel **near an electric switchboard** : there is possible interference with the radio and GPRS modem.
- 3 Place the alarm panel **at the most central location** of the site to be protected (also guarantees a better propagation of the radio).
- 4 When there is typing error, use the **CLR** to delete the incorrect character.
- 5 **Never record** the same device **twice** without having first **deleted** the device off of the panel.
- 6 Record a **maximum of 19 devices** of any kinds, **without distinction** (initial keypad included).
- 7 Respect the installation **height** (under device) of **PIR** : 2m10 to 2m35, **cameras MotionViewer** : 2m10 to 2m35 (ideally in an unobstructed angle)
- 8 Respect the installation **height** (under device) of **MotionViewer and PIR pet immune** : 2m10.
- 9 Installation height for external DCV cameras: 2m80 to 3m using the MB ball-and-socket joint (optional) and angling the camera at the target to be protected.
- 10 If you are using a remote keypad, don't install it at the beginning of the installation
- 11 **Always clean** the camera's lens after installation (with a clean and dry piece of cloth, without pressing on the lens).
- 12 To change from Capital to lower case, first press the **M/m**, **then** change from small letter/capital letter with and vice-versa.
- 13 Be careful when opening and closing the panel cover (its components are fragile).

2. The golden rules

- 14 The keypad becomes inactive after 40 seconds of inactivity, in order to make the display to reappear, press on the [YES] key.
- 15 Use alkaline batteries for the panel and for the interior and exterior sirens.
- 16 The ITRA110/600 and DCVA200/600/700 (devices with pet immune) should never be placed in stairs, or near stairs. (Risk of untimely triggerings).

3. Installation and programming

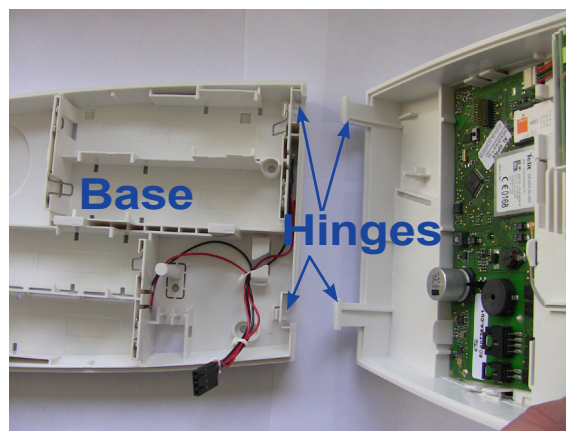
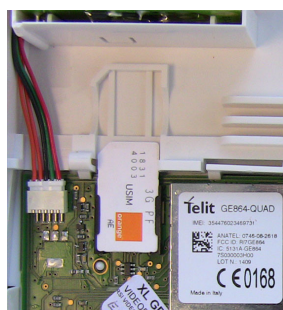
Open the packaging box and take out the cardboard divider which serves as a gauge. Position it level against the attachment fitting, making sure the arrow is pointing upwards. Mark the 5 points, remove the gauge and pierce the 4 attachment holes and the auto-protection hole. Attach the base. Insert the 8 alkaline batteries in their lodgings, paying attention to the correct alignment of the positive and negative charges.

Before removing the front side of the packaging box, insert the SIM card (voice/data or GSM/GPRS) as illustrated in figures 1 and 2.

Figure 1



Figure 2



Assemble the front side with the base by positioning the hinges on the base.

3.1 Initialize the panel

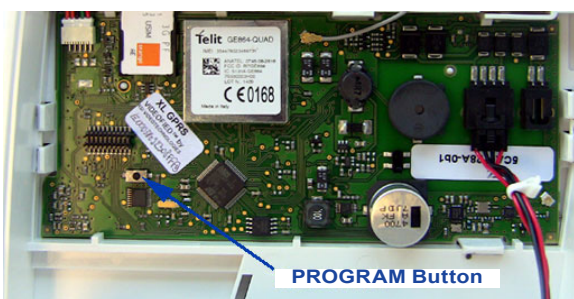
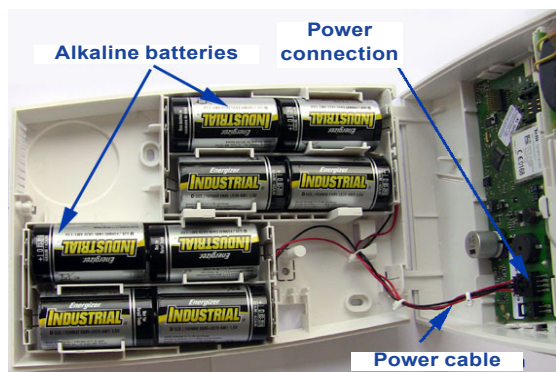
- Insert the power cable into the power connection (the panel emits a beep) and the keypad lights up and flashes.
- Hold down the PROGRAM BUTTON on the panel for 10 seconds until the keypad beeps again and lights up all the keys of the panel keypad.
- Briefly press the PROGRAM BUTTON of the panel again to switch to keypad registration mode.

3.2 Record the keypad (cf. Keypad installation manual)

- Insert the 3 Lithium LS14500 batteries in the keypad.
- Do not fix the keypad, it will help you in the recording and setting of the devices.
- **Simultaneously press** on [CLR] and [ESC NO] buttons on the keypad, until the keypad's indicator flashes and then release.

3.3 Close the panel cover

- Screw in the screw on the left of the box.



3. Installation and programming

Display of the keypad

KEYPAD 1
RECORDED

< - LANGUAGE - >
ENGLISH

RADIO RANGE
TEST ?

RADIO RANGE
x/9

RADIO RANGE
9/9

RADIO RANGE
TEST ?

ENTER THE
INSTALLER CODE

4 TO 6 DIGITS
THEN YES

INSTALLER CODE :

CODE NAME :

ADJUSTING
TIME AND DATE

DATE (Year) :
00/ /

CONNECTED TO
MONITOR STATION?

Actions and commentaries



to select the language.



Verify the range : A regular flashing or a value of 2/5 or better indicates a sufficient RF radio.

Wait for 10s in order to obtain the first stable value




In order to stop the test.



Wait

Wait

Installer code +  , then confirm : Code + 

Naming the code +  (Becareful, some NAMES correspond to pre-programming of key accounts. (In case of incorrect setting, please contact your technical department).

Wait

Use direction arrows **right** or **left**   to increase the numbers and the [YES] key to validate the value and move to the next.

Do the same for the **Month**, the **Day**, the **Time** and the **Minutes**.



3. Installation and programming

Display of the keypad

ACCOUNT NUMBER :

PERIODIC TEST

PERIODIC TEST :
24 HOURS

TEST HOUR :
00

CODE/STATE
MODIFICATION ?

ENTER
YOUR I.D. :

NAME OR ADDRESS

NAME OR ADDRESS
ENTRY COMPLETE

AREA
CONFIGURATION

AREA NAME 1 :




EXIT DELAY :
45 sec

ENTRY DELAY :
15 sec



GPRS
PARAMETERS ?

Actions and commentaries

Enter the Transmittor code + 

  to change the period + 


  to increase hours +  , and do the same for minutes.

 or  (to modify the event transmission status, and the on/off controls, refer to Chapter 6.Details on the alarm codes menu, page 10).




Wait




Enter "name" or "address" +  (Name of the client, informative and optional data only).

Wait

Enter the name of the geographic area 1 + 

Do the same for other areas, turn to if need be to paragraph 1 "1.Preparation before programming", page 2.

  to modify the value + 

  to modify the value + 



3. Installation and programming

By default your GPRS panel has parameters of the ORANGE operator. It is necessary to modify the 3 parameters that characterise the connection to another operator (SFR or BOUYGUES, WYLESS, T-MOBILE, ATT...).

Remark : GPRS Parameters is Case Sensitive ! (use the M/m key of the keypad to change Capital /Small letters).

Be careful : Use arrows to change from one parameter to the other. Press on the [YES] key only when you want to modify a parameter!



	ORANGE	SFR	BOUYGUES
APN	internet-entreprise	m2minternet	a2bouygtel.com
USER	orange	Open field	Open field
PASS	orange	Open field	Open field

(The APN is given by your operator. These parameters are likely to change following the SIM card used. Ask your operator.)

Display of the keypad

APN CODE
internet-entrepr

USER NAME
orange

PASSWORD
orange

IP1 ADRESS
0.0.0.0

DOMAIN NAME 1

PORT 1
888

GPRS
PARAMETERS ?

GPRS LEVEL

TEST IN PROGRESS
END = YES

GPRS LEVEL
5/5

PRESS PROGRAM
BUTTON OF DEVICE

Actions and commentaries

You are going to enter various parameters depending on which GPRS operator's SIM card you have.

The first parameter is the APN code.

By default, the standard public access parameters are those of Orange.


Press [YES] to modify the value or the right arrow to move on to the next parameter.


Second parameter: USERNAME

Third parameter: PASSWORD

The IP1 address or the domain name and Port 1 are provided by the monitoring station. Likewise for the IP2 address and the IP TMT address if applicable. Once the values have been established,

Press the  to return to the PARAMETRES GPRS menu.

 to exit the menu.

Press the  and wait for the reception level. **Do not remove the SIM card during the test!**

Wait (this could last for 3 minutes) for the result of the test which can be :
- a level between 1/5 and 5/5
- an error code (in this case, call you technical support)

It is not advisable to install a panel whose level is inferior to 3/5.

Record your devices : (please refer to installation data sheets of each device).

4. End of installation

You have recorded and fix all the devices, record the remote controls, then with the question :

Display of the keypad

ENTERING A NEW
DEVICE ?



OPERATION
COMPLETED ?



(Close the cover of the panel)

SYSTEM CHECK
IN PROGRESS

INSTALLATION
SUCCESSFUL !

All that remains is to program the user codes, Partial arming modes and eventually the Intercom time (at 180 seconds).

You can now close the XL panel, making sure you fully tighten the screw on the left-hand side.

5. How to...

5.1 Program partial mode

With the direction arrows go to the menu

CONFIGURATION (niv 4) -> **ALARM MODES PROGRAMMABLES** -> **FULLY ARMED**

Then use the direction arrows to select the relevant arming mode and the [YES] key to modify it.

There are three possible arming modes.

NORMAL MODE is the general arming mode, set using a badge or with a user code and keys or .

MODE SPECIAL1 is a partial mode activated by entering a user code and pressing the . This mode is also accessible on a CMA keypad via the and via an RC remote control via the .

SPECIAL2 MODE is not accessible on the keypad of an XL panel. It is available on a CMA keypad via the and via an RC remote control via the .

For each arming mode, it is possible to specify how each of the 4 zones will be armed and how the sound alert will be made.

Areas : 1 2 3 4

Each time you press on the number of the area it modifies the correspondance.

State : A A A A

Situated below. Validation at the end, the [YES] key.

A	Armed
D	Disarmed
P	Perimeter (all the opening contacts)
E	External (opening contacts protecting an exterior access)

Siren	Immediate triggering of all sirens
Delay beeps	Entry/Exit delay beeps, then triggering of the sirens
Silent	Without siren without beeps
Without siren	Beeps on the keypad only

PERIMETRIE MODE is not accessible on the XL keypad. It is only available on the CMA deported keypad by + user code + [YES].

5. How to ...

5.2 Delete the keypad

Display of the keypad

ACCESS LEVEL
3

ACCESS LEVEL
LEVEL : 3 => 4

BADGE OR CODE

ACCESS LEVEL
4

CONFIGURATION

BADGE OR CODE

GENERAL
PARAMETERS

AREAS AND
DEVICES

DEVICES

ADD A NEW
DEVICE

DEVICE
CONFIGURATION

Z1:KEYPAD
KEYPAD 1

DELATE
KEYPAD

<=====XX=====>

Actions and commentaries



Use the right arrow to increment the level to 4.

Enter the installer code +



Use the right arrow to go to the **CONFIGURATION** menu.



Enter the installer code +



Press the left arrow twice to go to the **ZONES AND DEVICES** menu.



to go to the **DEVICE CONFIGURATION** menu.




(If necessary, use the direction arrows to select the keypad).




You can remove the keypad batteries.

5.3 Register again a CMA keypad on an XL panel without opening the cover

Activate the touch-sensitive keypad by placing your hand over it.

Enter in special mode by pressing for 3 seconds on the  and the numerical keypad starts to flash.

Type the code 000000 then  to switch the XL panel in keypad registration mode. On the keypad:

- Insert the 3 Lithium LS14500 batteries.
- Simultaneously press [CLR] and [ESC NO] on the keypad until the indicator light on the panel flashes and then release.

Display of the keypad

KEYPAD 1
RECORDED



INSTALLATION CODE

Enter the installer code +





Actions

5.4 Activate or deactivate the flashing green battery symbol

It is possible to activate or deactivate the flashing green battery symbol.

Bear in mind that when this symbol is activated, the product has less battery life and the batteries will have to be changed within 4 years.

Enter in special mode by pressing for 3 seconds on the  and the numerical keypad starts to flash.

Type the code 000100 then  the digital keypad will remain illuminated while the green battery symbol starts to flash with the number 0 or 1 on the 7-segment digit.

The number shown is an indication of the display configuration for the battery symbol (0 for deactivated, 1 for activated).

5.5 Open the cover of an installed XL panel

Unscrew the screw on the left-hand side of the panel and separate the panel of the base.

5.6 IP TMT Configuration

You need a computer connected to the network IP, configured either on a fixed address IP with the opened port 888 is needed, or on a name of domain with the opened port 888.

About the programming of the panel, it is necessary either to inform on the IP TMT your fixed IP, or on DOMAIN NAME your domain name.

The computer connected on your network has to have the software Fontel TMT installed and parametrized.

The connection by seizing 999999 + [OK] on the panel XL, either on the keypad CMA (if it is on the site).

In Frontel TMT make: File / open, a window opens with the account N ° (code transmitter).

Click above, validate the request of remote maintenance by clicking on OK, then to make an import to get back the programming of the site.

6. Details of the menu : ALARM CODE

Signalling events by default (except if you are using pre programming)

In all cases, be sure to check that the configuration of your XL system is suitable for your needs.

By default these events are transmitted:	By default are not transmitted:
DEVICE (intrusions) ALERT (button) TAMPER PERIODIC TEST	INITIALIZATION PANEL BATTERIES (low panel batteries) AC POWER (panel power off) PHONELINE FAULT (telephone) DEVICE BATT. (low batteries devices) RADIO JAMMING (radio jamming) SUPERVISION (default supervision) WRONG CODES (when entering 5 false codes/badges) DURESS CODE (panic button) ALARM MEMORY (old memory overwritten) ARM/DISARM (open/close)
There are the 3 transmission states:	
ALARM , which can be heard : when it appears ALARM / END , which can be heard : when it appears and disappears NOT TRANSMITTED	


Examples :

- If one wishes to recall events of **ARMING/DISARMING** (operate/stop), you will have to modify the configuration of events **ARMING/DISARMING** to **ALARM / END**.
- If you wish to recall the false codes information, you will have to modify the configuration of events **WRONG CODES** on the state **ALARM**.

How to modify the transmission state of events?

2 possible solutions:




- **At installation, just after having validated the hour of the cyclic test, the keypad requests :**

CODE/STATE MODIFICATION ? Press on the  to access the menu **TRANS. STATE MODIFICATION**

- **After the initial installation, by using the keypad :**

With direction arrows   go to the menu **CONFIGURATION** (level 4) -> **CONFIGURATION MONITOR. STATION** -> **ALARM CODES** -> **TRANS. STATE MODIFICATION**

Then:

With direction arrows   Select the event to transmit, make  then modify the transmission state with arrows and revalidate with the [YES] key. Renew the operation for each event which you wish to modify the transmission regulations.

7. Table of GPRS error code correspondances

!!! The PIN code of the SIM cards must either be deactivated or be 0000 !!!

During the GPRS level test, if there is an error an associated code appears in place of the the GPRS level.

GPRS LEVEL :
ERROR XXX

Start the test again after first error.

In case of GPRS error, we recommend you continue installation by recording of detectors and devices and then come back to the GPRS level test.






Table of correspondance error codes





Codes	Errors
03 ou 04	No network coverage or no SIM card GPRS data
010	SIM non inserted
011	Code PIN necessary -> <i>The PIN code must be deactivated</i>
012	Code PUK necessary, SIM card blocked
013	Default SIM card
014	SIM card busy
015	Error on SIM
016	Incorrect password
017	SIM PIN2 necessary -> <i>The PIN code must be deactivated</i>
018	SIM PUK2 necessary
022	SIM not found
030	No network coverage or no SIM card GPRS data
040 : 047	SIM card non inappropriate or blocked -> <i>Unlock with PUK code</i>
149	Authentication error -> <i>Incorrect Network problem or parameters (APN, USER, ...)</i>
107	Service data GPRS non authorised -> <i>SIM card unsuitable</i>






915 MHz codes

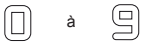


Codes	Errors
043	Typographical error in the APN Code username or password
003	SIM card not detected/no inserted
132	SIM card not activated
030	No GPRS signal

8. Numeric Keypad

Symbols	Explanations
	<ul style="list-style-type: none"> When the indicator light is green: indicates that all the batteries (panel + peripheral) are OK When the indicator light is red: indicates that there is a battery fault either on the panel or on a peripheral device (the N° will be indicated on the display)
	<ul style="list-style-type: none"> During arming: signals the detection of a peripheral device in a zone not on a time setting Not armed: signals the auto-protection of a peripheral device (the N° will be indicated on the display)
	Used in order to identify: <ul style="list-style-type: none"> N° of the peripheral device (0 for the panel and 1 to 19 for the peripheral devices) in the vent of auto-protection, intrusion, low battery, etc. Incorrect authentication ('C' for wrong code)
	Indicates that there has been an intrusion
	Indicates any other fault (radio interference, ect.)

Symbols	Explanations
	Used to disarm the system (after entering the code)
	<ul style="list-style-type: none"> Enables arming in partial mode (after entering the code) Flashes when the system is partially armed
	<ul style="list-style-type: none"> Enables arming in total mode (after entering the code) Flashes when the system is totally armed
	Enables arming in total mode (after entering the code)

Symbols	Explanations
	Key to be held down for 3 seconds to activate panic buttons
	Once it lights up, pressing this key will send a police call through to the monitoring station
	Once it lights up, pressing this key will send an emergency call through to the operators
	Once it lights up, pressing this key will send an emergency call through to the operators
	This key allows you to cancel the activation of the panic buttons

Symbols	Explanations
	Keys for entering user codes
	Key for confirming code
	Delete key in case off error

Using the numeric keypad: to conserve the batteries, the numerical keypad automatically turns off after a few seconds of not being used. Before entering the code, you need to reactivate it. To do so, place your hand flat over the numeric keypad, it will light up and then you can use it.



EMEA SALES
 23, avenue du Général Leclerc
 92340 BOURG-LA-REINE
 FRANCE
 Hot line : +33 (0)820 846 620
 Fax : +33 (0)3 90 20 66 36

North American Headquarters
 4455 White Bear Parkway, Suite 700
 White Bear Lake, MN 55110
 USA
 Hot Line : 877-206-5800
 Fax : 651-762-4693

www.videofied.com