Product Summary

The Indoor Keypad Model WMB is designed for use in configuring/programming and operating a Videofied™ security system. The keypad includes the following features:

> Lithium batteries for long life.

> 32 Character Display (2 lines x 16 characters)

> Built-in piezo for status and alarm sounds

> Dual tamper function provides detection of both wall and cover tamper.

> Transmits check-in/status signal every 8 minutes.

> Built in Proximity Badge Reader

Installation Guidelines

For easier installation, programming and RF testing should be completed before mounting the control panel and devices.

Install the keypad and other system devices in the following order:

> Programming/RF Testing - Program keypad and all other devices into the control panel and test RF communication from each intended device location to the control panel.

> Mounting - Mount keypad and devices at the tested location.

Programming/RF Testing*

1 Open the casing by inserting a flat head screwdriver and lifting UP. The case will slide apart.
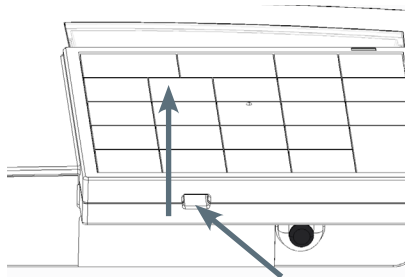
2 Insert 3 (minimum) SAFT 3.6v Lithium AA LS14500 batteries.

3A **New Installation:** Put the control panel into keypad registration mode by pressing the programming button of the control panel one time.

OR

3B **Adding to existing system:** Using a programmed alphanumeric keypad, proceed through menus until the display shows ADD A NEW DEVICE. Press **OK.** The display shows PRESS PROGRAM BUTTON OF DEVICE.

OR

3C **Adding to existing system without a keypad:** Refer to the installation manual of the control panel.

4 Press and release the programming buttons (CLR and ESC/NO) on the WMB keypad. The keypad LED will flash. Wait for keypad display to show KEYPAD# RECORDED.

5 Press **OK.** The display shows LANGUAGE: ENGLISH. Press **OK**. (This prompt will only appear when performing a new installation).

6 Display shows RADIO RANGE TEST? Press **OK**, the keypad starts displaying the number of successful pings to and from the control panel out of 9 (0/9 to 9/9). Devices must be installed in a location with a stable 9/9 RF test result to ensure reliable communication.

**7** Press **OK** to end radio range test, then press **Esc/No.**

Note: If this is a new installation (3A), the keypad display prompts other system configuration data. If adding a keypad to an existing (operational) system, proceed to step 8.

8 When finished, exit from configuration mode.

Note: The control panel automatically assigns alphanumeric keypads automatically to Area 1 (Entry/Exit delay)

*For complete details, refer to the control panel installation manual.

www.videofied.com

1. Mounting

> Use proper tools and hardware.

> Mount indoor in a temperature-controlled environment.

> Mount keypad at height that provides proper viewing and convenience for the customer.

> Mount in a location that provides customer convenience but out of view from windows.
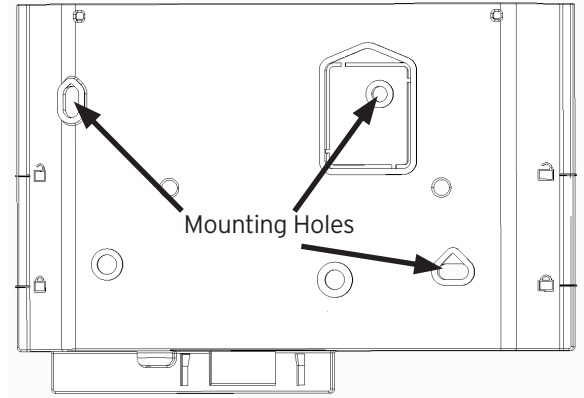
1 Separate base from Keypad.

2 Hold base against mounting surface and mark the three mounting holes. Use the left or right side to level the keypad.

3 Drill pilot holes and install anchors where needed.

4 Place base on mounting surface so holes line up with pilot holes/anchors and secure base with appropriate screws.

5 Attach Keypad to base by lining up the tab with unlock symbol and sliding closed and secure with optional screw.

  Note: The WMB Keypad is a supervised device and must be permanently mounted. This product is not intended to be a roaming device.

Mounting Holes

2. LCD Overview

a..z   A..Z   123   &@#   ❶❷❸⌂⌂   ▬ +
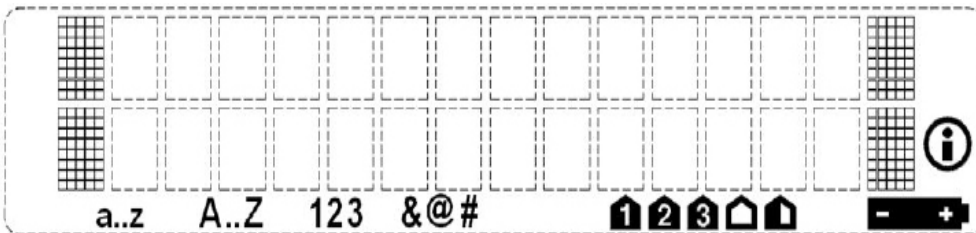
Information Icon
Low Battery Icon

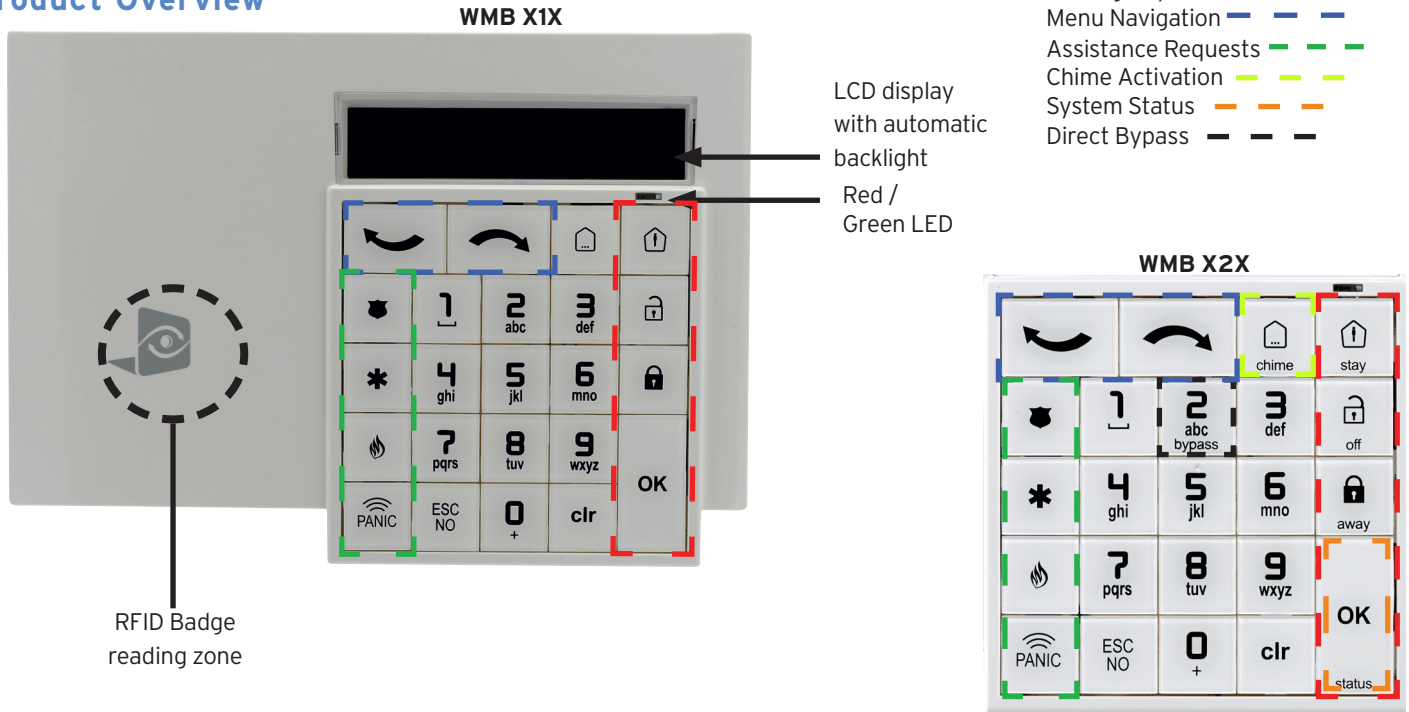**Icons for entry mode:**

a..z   Lowercase

A..Z   Uppercase

123   Keypad

&@#   Symbols

Icons for arming mode:

❶ Partition 1 or SP1 selected

❷ Partition 2 or SP2 selected

❸ Unused

⌂ External arming mode selected

⌂ Unused

3. Product Overview

WMB X1X

LCD display with automatic backlight

Red / Green LED

RFID Badge reading zone

WMB X2X

Legend
- Arming Keys
- Menu Navigation
- Assistance Requests
- Chime Activation
- System Status
- Direct Bypass

4. RFID Tag Reading

The WMB keypad is equipped with a badge reader ISO/IEC 14443A. The optimal reading area is located around the Videofied symbol. Compatible with MiFare 13.56 MHz 1K/4K badges (VT100).

The badge reader is inactive until approached by a user. The system utilizes a capacitive detector to energize the badge reader. It is recommended the user holds the badge in place rather than a quick swipe.

When a badge is detected the Green LED is lit

5. Security

- Remove batteries before any maintenance

- WARNING, there is a risk of explosion if a battery is replaced by an incorrect type!

- Observe polarity when inserting batteries

- Do not throw away used batteries they must be properly disposed of according to Hazardous material regulations for Lithium batteries

6. Keypad Use

Keys	Description
Panic	The panic request is launched in two steps: 1. 3 second press on the PANIC key 2. 1 second press on one of the three assistance keys - The transmitted event type and siren activity depend on programming
OK	Used to confirm any data capture or acknowledge messages
ESC	Exits the current menu or cancels all data entered
CLR	Deletes the last character entered
Symbols	The symbols: ☐ 1 . _ @ $, ' ? ! ; : " (☐ =space) are accessed through the 1 key • With multiple 1 second presses on the 1 key, the user is able to select the symbol they are looking for. • By pressing and holding the 1 key, the line with all symbols will show. Use the arrow keys to select the symbol and press OK to confirm.
Special Characters	Special Characters +0-*#=/%& ¥<>() are accessed through the 0 key • With multiple 1 second presses on the 0 key the user is able to select the special character they are looking for. • By pressing and holding the 1 key, the line with all symbols will show. Use the arrow keys to select the symbol and press OK to confirm.
Capital Letter	Press and hold appropriate letter key then repeat press
Auto-Repeat mode	When a user holds an arrow key, the keypad will scroll all available values
Re-sync and Enrollment	Press and release ESC/NO and CLR buttons simultaneously

Properties

Panel Compatibility	Videofied Alarm Panel XL, XT, XTIP, XV, Visio

Power requirements:

Type:	C
Battery Type	SAFT, AA, Lithium, LS14500
Nominal Voltage:	3.6v
Low Voltage Limit:	
	2.1v - LCD will stop functioning but communication is working
	3.0v - LCD will function and communication is working
Quantity	3
Battery life (estimated)	Up to 4 years

RF Technology: S²View® Bidirectional Radio

Central Frequency	WMB210 : 868MHz : (Europe, Africa, Asia)
	WMB621 ; 915MHz : (USA, Canada, South America)
	WMB721(: 920MHz : Australia, South America)
Transmission Security	AES Algorithm encryption
Supervision	8 min polling
Antenna	Integrated

Tamper:

	Wall and cover tamper

Keypad:

Keys:	23x Keys
Allowed Time for Code Entry:	60s
Number of Available Codes:	1,109,814
Number of Illegal codes:	186 (depending on panel features)
User code input attempts before lockout:	5
Lockout duration:	90 seconds
Memory Lifetime:	No Limit (Flash Memory)

Badge Reader:

Format:	ISO/IEC 14443A
Type:	MiFare 13.56MHz 1K/4K
Assistance Request	Police/Medical/Fire
Display type	Liquid-crystal (LCD)
Display size	32 characters total: Two lines, 16 characters each
Display backlighting	Automatic

Built-in sounder:

Piezo Buzzer:	Emits entry/exit delay beeps, alarms
Panic button	One (Must be programmed/Enabled)

Physical Data

Operating temperature	14° to 104° F (-10° to +40° C)
Maximum relative humidity	75%, non-condensing
Material	ABS UL-V0
Dimensions	(LxWxD) : 3.9 x 5.63 x 0.94 Inches
	(99.1 x 143x 23.8 mm)
Weight	6.35oz (180gr) without batteries

Installation/Mounting

Wall Mount	3 Screws (including one for the tamper)
Case Lock	Mechanical slide lock and optional screw

Certification & Standards

868MHz: WMB210

Standards:

EN60950-1:2006+/A11:2009+/A1:2100

EN300220-1 V2.3.1

EN300220-2 V2.3.1

EN302291-1 V1.1.1

EN302291-2 V1.1.1

NF EN50130-4:1995+/A1:1998+/A2:2003;

NF EN50130-5:1998 Classe II

NF EN50131-3:2009 - Grade 2

NF EN50131-5-3:2005 - Grade 2

NF EN50131-6:2008 Grade 2 –Type C

Certifications:

Europe	CE / EN50131 Grade 2
Pays-Bas	NCP
Singapour	IDA
Afrique du Sud	ICASA

915MHz FHSS: WMB611, WMB621

Certifications:

USA	FCC Part 15C (FCC47 CFP part 15)
Canada	IC (RSS-210 Issue 8)

920MHz FHSS: WMB711, WMB721

Certifications:

Australia	C-Tick (AS-NZS4268)

FCC Regulatory Information for USA and CANADA

FCC Part 15.21 Changes or modifications made to this equipment not expressly approved by RSI VideoTechnologies may void the FCC authorization to operate this equipment.

FCC Part 15.105 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 harmful 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 receiver.

•   Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

•   Consult the dealer or an experienced radio/TV technician for help.

Radio frequency radiation exposure information according 2.1091 / 2.1093 / OET bulletin 65

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This device complies with Part 15 of the FCC Rules and with RSS-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.