videofied
Made by RSI VIDEO TECHNOLOGIES

Keypad XMB 210/621/722

PRODUCT SPECIFICATION SHEET

Doc. - Ref. 221-XMB
Version : June 2013

MAIN FEATURES

> Wireless technology provides optimum signal integrity and security
> Mobility - program the system from anywhere on site
> Dual tamper

Description

The **Keypad Model XMB** is a battery operated, wireless alphanumeric keypad/badge reader combination device designed for programming and operating Videofied security systems.

The keypad features a two line, 16 character liquid crystal (LCD display, multi-function push buttons, panic assistance, built-in sounder, and S2View® spread spectrum encrypted wireless circuitry for secure 868MHz/915MHz/920MHz two-way communication with the control panel.

The LCD backlight turns off automatically after 30 seconds of keypad inactivity to conserve battery power. Pressing a button or presenting a badge will turn the backlight on.

The keypad can be used to program and configure Videofied security systems. S2View® spread spectrum encrypted wireless circuitry effectively makes the keypad a mobile programmer that can be used anywhere within the installation site during system programming. Because the keypad is a supervised device, once programming is completed the keypad must be permanently mounted or deleted from the system. The easy to understand display guides you through programming, prompting you for simple yes/no or data entry responses. The left and right arrow buttons cycle through menus or values until the desired option is displayed. Text entries are done using the 0 - 9 buttons and can be in lowercase, uppercase, or a combination of both. Complete punctuation symbols are also available for data entries such as website/IP addresses and component location naming.

The keypad is typically installed near entry/exit doors to allow system users enough time to arm and exit the premises, and to enter and disarm the system before time delay expires. When the system is armed, the built-in sounder emits a series of exit delay beeps to remind the user to exit before the beeps stop. Upon entering the armed premises, the built-in sounder emits entry delay beeps to remind the user to disarm the system to avoid an alarm. A dual tamper function provides detection for both keypad cover and wall tamper.

The keypad is powered by three or four lithium batteries that can last up to four years or more, depending on the amount of keypad activity. The keypad transmits a check-in signal every eight minutes that includes its unique identification code, along with the tamper condition, serial number, date of manufacture, software revision and battery status. Videofied alarm systems support up to three keypads per system.

Features

> S2View® - Spread Spectrum, Videofied, Interactive AES Encrypted Wireless technology provides optimum signal integrity and security.

> Mobility - program the system from anywhere on site.

> Display - Two line, 16 character display with automatic backlight. 30 second backlight timer to conserve battery power.

> Buttons - complete alphanumeric setting/parameter entries in programming mode; standard and custom operation in normal operating mode.

> Built-in sounder - provides entry/exit delay beeps and alarm sounds.

> Panic Assistance - for manual activation anytime.

> Supervised - transmits a check-in/status signal every 8 minutes indicating tamper state, serial number, date of manufacture, software revision and battery status.

> Dual tamper - provides detection for both wall and cover.

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.

Cet appareil est conforme à la Partie 15 des règlementations de la FCC et avec la norme RSS-210 de l'Industrie Canadienne.

Son fonctionnement est soumis aux deux conditions suivantes :

1 Cet appareil ne doit pas causer d'interférences nuisibles et

2 Cet appareil doit accepter toute interférence reçue, y compris les interférences pouvant entraîner un fonctionnement indésirable.

Electrical Data

Panel Compatibility	XL, XLL, XT, XT-iP, XV, XV-iP, XTO
Power requirements	
Type	3.6v SAFT Lithium, LS14500, AA Batteries Only
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	3x or 4x
Battery life (estimated)	Up to 4 years
RF technology	2 way S2View© RSI Technologies
	868MHz frequency hopping
	915MHz frequency hopping
	920MHz frequency hopping
Radio type	Spread Spectrum Bidirectional RF
Operating frequency	868 MHz
	915 MHz
	920 MHz
Transmission security	AES algorithm encryption
Supervision	Panel polls devices every 8 minutes
Antenna	Integrated
Tamper detection	Wall and cover tampered
Keypad	
Keys	23x Keys
Allowed Time for Code Entry	60s
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)
Assistance Request	Police/Medical/Fire
Display type	Liquid-crystal (LCD)
Display size	Two lines, 16 characters each
Display backlighting	Automatic
Badge Reader	
Format	ISO/IEC 14443A
Type	MiFare 13.56MHz 1K/4K
Built-in sounder	
Piezo Buzzer	Emits entry/exit delay beeps, alarms
Panic button	One (Must be programmed/Enabled)
Operating temperature	14° - +104° F (-10° - +40° C)
Maximum relative humidity	75%, non-condensing

Physical Data

Material	ABS UL94-V0
Dimensions	(LxWxD):6.3 x 3.6 x 1.2 Inches
	(160 x 92 x 31 mm)
Weight	6.35oz (180gr) without batteries

Installation / Mounting

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

Certification & Approvals

XMB210	CE
	EN50131
	EN300220
	IDA
	NCP
	NF A2P
XMB611	FCC
XMB711	A-Tick

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