NEXLAR

HORIZENTAL ALPHA KEYPAD

PRODUCTSPECIFICATIONSHEET

Description

The Keypad Model WMB 210/621/721 is a battery operated, wireless alphanumeric keypad/badge reader device designed for programming and operating VIDEOFIED™ security systems.

The keypad features a 32 character (two lines x 16 characters) liquid crystal (LCD) display, multi-function push buttons, panic assistance, built-in sounder, proximity badge reader and S2View® spread spectrum encrypted wireless circuitry for secure 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 will turn the backlight on and register as a command to the system.

The keypad can be used to program and configure Video Verification 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 badge reader can be used to arm and disarm the system. It has proximity detection to turn on the reader when it detects a hand present within the detection field. Presenting a badge to the reader for 2 seconds will toggle the arming and disarming of the system.

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 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, VIDEO Verification, Interactive AES Encrypted Wireless technology provides optimum signal integrity and security.

> Mobility - program the system from anywhere on site.

> Display - Two line, 32 character (2 lines x 16 characters) 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.

> Lithium batteries - up to four years.

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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	868MHz : WMB210(Europe, Africa, Asia)
	915MHz : WMB621(USA, Canada, South America)
	920MHz : WMB721(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

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

Certifications:

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

920MHz FHSS

Certifications:

Australia	C-Tick (AS-NZS4268)

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