

## Description

**The Control Panel Model XL200L** is a Videofied wireless, battery operated security system control panel. The control panel is designed for residential and small commercial security applications where video verification is needed or desired.

The control panel is powered by eight 1.5-volt alkaline batteries that last up to four years, with normal system activity. A built-in siren provides status beeps. The embedded cell modem communicator reports to the monitoring station through GPRS the status of the system.

A dual-tamper function is active 24 hours, whether or not the system is armed. An alarm occurs if the control panel cover is removed, or if the control panel is removed from the mounting surface.

## Supervised Wireless Technology

The XL200L, along with all Videofied devices utilize patented S<sup>2</sup>View® - Spread Spectrum, Videofied, Interactive, AES Encrypted Wireless technology, providing optimum signal integrity and security. Bi-directional RF communication paths between all system devices and the system control panel assure high signal reliability.

Integrated antennas eliminate protruding wires or rods cumbersome to install and unsightly to consumers, and if damaged could lead to potential system communication problems.

The panel supervises every device (excluding the remote keyfob) to validate current open/close state, tamper condition, serial number, date of manufacture, firmware revision, and battery status..



**Compatibility** The XL200L works with all the following Videofied wireless devices:



**Indoor MotionViewer** - integrated PIR motion detector, night vision digital camera, infrared illuminators. MotionViewers detect intruders and capture a 10 second video of the intrusion which is sent to the panel over RF.



**Badge Reader** - allow arming and disarming the system.



**Door Contacts** - detect door and window open/close activity. An external input allows a wired connection from standard security switches and detection devices outputs.



**Outdoor MotionViewer** - integrated PIR motion detector, night vision digital camera, infrared illuminators. MotionViewers detect intruders and capture a 10 second video of the intrusion which is sent to the panel over RF.



**Interior Sirens** - provide status beeps and alarm sounds throughout the premises where needed.



**Exterior Sirens/Strobes** - provide alarm sounds and visual identification of alarm site for responding authorities.



**Smoke Sensor** - enhances protection and uses advanced detection technology. The Smoke Sensor is totally wireless and an integrated addition the whole security system.



**Remote Keyfobs** - allow limited system operation and panic alarm capability in a portable, convenient package.

## Capacities

Each XL200L system can manage up to 25 individual devices (MotionViewer, keypad, siren, etc.). Each device is assigned to one of four protection areas. Area 1 is predefined from the factory for delayed entry/exit. The other three areas can be configured/programmed as required for the installation. For example, Area 2 could be configured for devices on the main level, Area 3 for devices on the upper level, and Area 4 for devices in the basement.

There are 20 individual access codes that can be four to six digits long. Each access code can be assigned to one of three security levels for specific operating authority. Levels 1 and 3 provide various system operation limits. One installer code allows access to Level 4 which provides the installer/dealer full access for configuration/programming. The installer code is restricted from system arming and disarming.

## Configuration/Programming

Complete system configuration/programming can be done on-site using alphanumeric keypads. Easy to understand text on a two line, 16-character liquid-crystal (LCD) display guides you through programming, prompting you for simple yes/no or data entry responses. Complete punctuation symbols allow for accurate website/IP address entries and device location naming.

Off-site programming is accomplished by using Frontel Downloader Software. An IP connection between the control panel and a computer with Frontel Downloader Software allows trained operators to configure/program system settings/parameters.

## Communication

The XL200L reports alarms and other system events using the following methods and formats : Frontel.

> Frontel - provides complete system reporting information and video verification to a central monitoring station set up with Frontel Monitoring Software.

## Video Verification

Incorporating MotionViewer into the security system allows for video verification of intrusion alarms. When the system is armed and an intruder trips MotionViewer, the integrated camera captures a 10-second digital video clip which is sent to the central monitoring station by the control panel, which can forward them to an alert list.

## History/Event Log

The XL200L records and stores all system activities and events (armings, disarmings, alarms, access codes entered, system programming changes, etc.) in flash memory, that cannot be cleared or erased. The log accumulates a maximum 4,000 events.

As additional events occur, the control panel automatically deletes the oldest event. This ensures the most recent events reside in the log.

The history/event log can be viewed using an alphanumeric keypad or downloaded at the central station.

## Features

- > S<sup>2</sup>View® - Spread Spectrum, Videofied, Interactive AES Encrypted Wireless technology provides optimum signal integrity and security.
- > Compatibility - works with all Videofied wireless devices.
- > Supervision of all devices (except remote keyfob).
- > Tamper detection - 24-hour dual-tamper function provides detection for both cover and wall removal. Control panel also monitors all system device tamper switches.
- > Zones / Devices - 25 maximum.
- > Areas - 4 maximum. Area 1 predefined from factory for entry/exit delay. Areas 2, 3, and 4 can be configured as needed.
- > Access codes - 20 maximum, 4 - 6 digits; one installer access code for on-site programming only.
- > Configuration/Programming - on-site using alphanumeric keypads or off-site using Frontel control remote Software.
- > Communication - reports to central monitoring stations using Frontel.
- > Video Verification - video resolution of 320 x 240 pixels, 0 lux sensitivity, 5-frames per second for approx. 10 seconds total recording time. 220K MPEG file.
- > History/Event Log - maximum 4,000 events stored in flash memory that cannot be cleared or erased.

**Electrical Data**

Power requirements	Eight 1.5V batteries
Battery type	Alkaline, D size, LR20
Battery life	4 years
Current consumption	Standby (1h average)= 420µA; Max=1,3A
RF technology	S <sup>2</sup> View®
Radio type	Spread Spectrum Bidirectional RF
Operating frequency	868 MHz
Transmission security	AES algorithm encryption
Radio jam detection	Yes
Supervision	Yes
Antenna	Integrated
Tamper detection	Wall and cover tamper detection
Siren	105 dB @ 1 meter EN50131-4 type: W
Siren duration	15min maximum, depending local requirements
Programming	Alphanumeric Keypads or Frontel remote control Software
Devices per system	25 per system
Access codes	20 maximum
Installer codes	One (for system programming only)
Security levels	3
Arming modes :	2
Special arming modes	4 (Area 1 predefined from factory for entry/exit delay. Areas 2, 3, & 4 programmable.)
Communication formats	IP , Communicator type GPRS
Protocols	Frontel
Remote maintenance	Frontel Downloader protocol only
Video transmission:	By Frontel protocol to central monitoring station
Video format	MPEG V1.0 video file
Video file size	220 Kbytes
Video framing	5 frames/second
Image format	JPEG
Image size	320 x 240 pixels
History/Event Log	4,000 events stored in flash memory
Operating temperature	-10°/+40°C (32°/104°F)
Maximum relative humidity	75%, non-condensing

Approvals	CE	
	EN50130-4: 1995; A1: 1998; A2: 2003	
	EN50130-5: 1998	Class II
<i>This panel has to be used with a CMA200 keypad (or other EN50131-3 approved Videofied keypad) to be conform with the EN50131 - Grade 2 - Class II standards.</i>		
	EN50131-1: 2006; A1: 2009	Grade 2 - Class II
	EN50131-3: 2009	Grade 2 - ACE type B
	EN50131-4: 2009	Grade 2 - Siren type W
	EN50131-5-3: 2005; A1: 2009	Grade 2
	EN50131-6: 2008	Grade 2 - Type C

**Physical Data**

Material	ABS—ULV0
Dimensions	225 mm x 180 mm x 55mm (LxWxD):9in. x 7in. x 2-1/6in.
Weight	520gr (without batteries) / 1600gr (with batteries)

**Installation/Mounting**

Control Panel/Base	One screw secures control panel cover to base; four screws secure control panel base to the wall
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