

Description

The XL GPRS is a Videofied wireless, battery operated security system. 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 and enables 2-way voice communication over cell to the monitoring station.

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.

With the embedded touchpad the user can arm, disarm the system and review past events and system status. Under the TouchPad an integrated proximity card reader that can be used to arm and disarm the system without using the TouchPad. The proximity card/tag arming system is designed to maximize operator convenience.

Supervised Wireless Technology

The XL GPRS, along with all Videofied devices utilize patented S²View® - 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 XL GPRS 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 wirelessly.



Prox-Tags - 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 wirelessly.



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 XL GPRS system can manage up to 19 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 XL GPRS reports alarms and other system events using the following methods and formats : Frontel and Voice.

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

Voice Verification

The panel incorporates a speaker and a microphone. When using a GSM/GPRS simcard, the XL GPRS panel allows the monitoring station to do 2-way voice verification. 2-way voice can be launched at any time when the panel is connected to the monitoring station. During the 2 way voice, data connection and video download is suspended and resumes after the voice communication terminates.

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 XL GPRS 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 the embedded touchpad, an alphanumeric keypad or downloaded at the central station.

Features

- > S²View® - 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 - 19 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
RF technology	S ² View®
Radio type	Spread Spectrum Bidirectional RF
Operating frequency	915 MHz
Transmission security	AES algorithm encryption
Radio jam detection	Yes
Supervision	Yes
Antenna	Integrated
Tamper detection	Wall and cover tamper detection
Siren output	105 dB @ 1 meter
Siren duration	programmable, 3 minutes maximum
Programming	Alphanumeric Keypads or Frontel remote control Software
Devices per system	19 per system
Access codes	20 maximum
Installer codes	One (for system programming only)
Security levels	3
Arming modes :	4
Areas	4
Communication formats	IP Communicator type
GPRS and GSM cell	2 way-voice
Full duplex, bi-directional	Protocols
Frontel	IP stack, IP, TCP/IP
Voice alarm transmission	Up to 3 phone numbers
Voice server	Pre-recorded messages
Remote maintenance	Frontel Downloader protocol only
Video transmission:	By Frontel protocol to central monitoring station
Video format	MPEG-1
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	0°/+40°C (32°/104°F)
Maximum relative humidity	70%, non-condensing
Approvals	CP-01 / UL / FCC (USA)

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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Embedded touchpad Data

TouchPad to arm/disarm the system with event display	Automatic back light
	3 arming keys / symbols
	3 panic buttons
	Event symbols
	Embedded voice speaker and microphone
	No specification mentioned on Proximity Card arming/disarming

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.

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