

# LightSYS™ 2

Now supporting  
up to 50 zones



## Installation Supplement

## Firmware Versions up to 5.xx



riscogroup.com

## Live IP Video Verification Solution for LightSYS 2

LightSYS 2 supports VUpoint – RISCO’s revolutionary, live video verification solution for residential and commercial installations that seamlessly integrates an unlimited number of IP cameras for providing an unprecedented level of security and live video monitoring capabilities to alarm receiving centres and end-users alike.

- VUpoint offers seamless integration of LightSYS 2 with IP cameras
- A unique solution, offering **live video verification of alarms** for alarm receiving centres, business & home owners
- **Live video on-demand** for business & home owners

**Note: VUpoint may be added to any LightSYS 2 system connected to the RISCO Cloud, and is not dependent on the firmware version installed.**



**VUpoint Indoor Cube IP Camera**



**VUpoint Outdoor Bullet IP Camera**

Powered by the RISCO Cloud, VUpoint enables live video streaming from IP cameras to be viewed “on-demand” using the iRISCO Smartphone or Web application. VUpoint can be configured so that any event—intrusion, safety or panic—can activate the IP camera.

For verification purposes, live viewing of video of events can greatly assist alarm receiving centres in identifying costly false alarms, and enable a greater operational efficiency.

Download the iRISCO app from the Apple Store for iOS devices and the Play Store for Android devices. For more information contact your RISCO Distributor or go to [www.riscogroup.com](http://www.riscogroup.com)

## Summary of Version Enhancements

The table lists product enhancements available for LightSYS 2, up to firmware version 5.xx.

Version changes were made in consideration of market requirements and improvements to the product.

### Table of Expanded System Capabilities

Capability	F/W versions lower than 3.0	F/W version 3.0	F/W version 4.0	F/W versions 5.1 and above (with panel PCB version E and above)
<b>Total Maximum Zones</b> Any combination of wired, wireless or bus zones as specified below:	32	50*	50*	50*
<b>Wired Zones</b>	Up to 32	Up to 50*	Up to 50*	Up to 50*
<b>Wireless Zones (1-way or 2-way)</b>	Up to 32	Up to 50*	Up to 50*	Up to 50*
<b>Bus Zones</b>	Up to 32	Up to 32	Up to 32	Up to 32
<b>User codes &amp; tags</b>	Up to 16 user codes & tags	Up to 30 user codes & tags	Up to 30 user codes & tags	Up to 30 user codes & tags
<b>Programmable outputs</b>	Up to 14 outputs	Up to 32 outputs	Up to 32 outputs	Up to 32 outputs
<b>Zone expander modules</b>	Up to 3 modules (8 zones each)	Up to 5 modules (8 zones each)	Up to 5 modules (8 zones each)	Up to 5 modules (8 zones each)
<b>Output expander modules</b>	Up to 4 modules (either 4 or 8 outputs each)	Up to 6 modules (either 4 or 8 outputs each)	Up to 6 modules (either 4 or 8 outputs each)	Up to 6 modules (either 4 or 8 outputs each)
<b>Supports single-socket IP and GSM/GPRS modules</b>	Yes	Yes	Yes	Yes
<b>Supports new generation communication modules (IP, GSM 2G &amp; GSM 3G)</b>	No	No	Yes	Yes
<b>Multi-socket capabilities available for new-generation communication modules</b>	No	No	No	Yes
<b>Cloud connection backup</b>	No	No	No	Yes
<b>Event log capacity</b>	500	500	500	1,000
<b>SIA IP</b>	No	No	No	Yes

\* To connect 50 relay detectors, for example, use single zone expanders (RP128EZ01) on zones 9 & 10, and then add five 8 zone expanders (RP432EZ08) to reach 50 zones

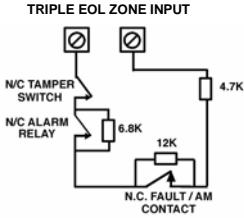
## Enhanced Features above Grade 2 Requirements

By default, LightSYS 2 is configured to Grade 2. In order to invoke enhanced security features above Grade 2 (supported from LightSYS firmware version 2.65 and up), go to:

**Installer Menu**→**Programming**→**1)System**→**5)Settings**→**4)Standard**→**4)EN 50131**

**NOTE:** This will invoke a default of the system parameters.

The following details the parameter configurations to invoke enhanced security features above Grade 2:

Item	Grade 2	Enhanced Features	Explanation
<b>USER CODES</b>	4 digits	6 digits	<b>NOTE:</b> changing the number of code digits will require re-defining all current user codes.
<b>ANTI CODE RESET</b>	4 digits	6 digits	
<b>INSTALLER TAMPER</b>	Not required		For enhanced mode, the system control bit "ENGR. TAMPER" shall be defined as <b>YES</b> . <b>Menu</b> = [Programming][System][Controls][Advanced] <b>YES:</b> A Tamper event causes a Lockout condition which can only be reset by the Installer code or by Anti-Code. <b>NO:</b> A Tamper event does not cause a Lockout condition
<b>TROUBLE RESET</b>	Not required		For enhanced mode, the system control bit "Rest Trouble" shall be defined as <b>YES</b> . <b>Menu</b> = [Programming][System][Controls][EN50131] <b>YES:</b> A System Trouble condition must be acknowledged by the user <b>NO:</b> A System Trouble condition will reset automatically when clear
<b>DETECTOR MASK AND TROUBLE</b>	Not required		For enhanced mode, triple end-of-line termination is supported to identify detector masking and trouble (trouble for all Grades). To select this termination go to <b>Zones -&gt; Parameters -&gt; Resistance</b> and choose <b>4.7; 6.8; 12 K</b> (Ohms) 
<b>INHIBIT KEYPAD</b>	Not required		For enhanced mode, 10 invalid code entry attempts will lock the keypad for 90 seconds (relevant for all user codes and operations – arming, disarming, etc.)
<b>DUAL PATH ARMING PREVENTION</b>	Required		If there is a communication fault with the monitoring station (by PSTN, TCP/IP, GSM, or STU) the panel will not be ready to arm.