LightSYS™
Flexible Hybrid System

Parking Control Application with LightSYS Wireless Receiver

The LightSYS Wireless Receiver is ideal for parking gate control, with support for up to 200 keyfobs and 2 outputs.

Flexible installation options:
- Inside the main housing on the LightSYS Bus
- As a stand-alone wireless receiver
Up to 32 wireless zones and 16 rolling-codes keyfobs
2 programmable outputs (1A relays)

* Specially designed for easier installation

LightSYS Specifications

Zones	8 - 32 wired, wireless or RISCO Bus, in any combination
Partitions	4
Groups per partition	4
Zone resistance	Fully selectable
Remote zone diagnostics	Voltage and resistance measurement on all wired zones
Zone loop response	1msec, 10msec, 400 msec, 1 sec, 1/2 hour to 4 hours
Additional inputs	Bell tamper, Box tamper
Programmable outputs	4 onboard (3*100mA opto-relays + 1A relay) expandable to 14
User codes	16
Event log	500
Keypads	4 wired, 2 wireless (one-way)
Wireless Keyfobs	16
Proximity Key Readers	8
Follow-me destinations	16
Communication	PSTN onboard Plug-on IP or Modem Plug on GSM/GPRS or integrated KP Long Range Radio programmable from LightSYS keypad (Installed on the Bus within the main enclosure)
Digital Voice Module	• Full voice menu guide • 2-way remote listen-in and talk • Pre-recorded or user-recordable messages for all zones, partitions and outputs • Remote operations such as acknowledge event, arm/disarm, activate outputs, etc.
Reporting formats	Contact ID, SIA level 2 & 3, IP/GSM Receiver, Long Range Radio formats
PC Cable connector	RS232 for Configuration Software
PS Input	90-264 VAC, 50-60Hz
PS output / Main board input	14.4 VDC / 1.5A
Main board output	800mA Aux current, 500mA siren driver
Dimensions (Height x Width x Depth)	288mm x 254mm x 90mm (11.3" x 10.0" x 3.54") Place for Main, Power Supply, 7 Ah Battery, IP and GSM/GPRS modules (wireless receiver, voice module, zone expanders, output expanders, long range radio)

Specifications are subject to change without prior notice

DD243, PD6222 & EN50131 Security Grade 2

CE

Ordering Information

	P/N	Description
Main	RP432M00000A	LightSYS Main Board
	RP432B00000A	LightSYS Polycarbonate Housing
	RP432PS00xxA	LightSYS Power Supply xx - market
	RP432L000xxA	LightSYS Literature Pack xx - market
Communication & Audio	RP432GSM000A	Plug-in GSM/GPRS Module
	RW132IP0000A	Plug-in IP Module
	RP432MD0000A	Plug-in Modem
	RP432EV00xxA	Digital Voice Module xx- market
	RW132EVL000A	Listen-in & Speak unit
Keypads	RP432KP0000A	LightSYS LCD Keypad
	RP432KPP000A	LightSYS LCD Keypad with Prox
	RP128KP0100A	TouchScreen Keypad, Black
	RP128KPP100A	TouchScreen Keypad with Prox, Black
	RP128KP0200A	TouchScreen Keypad, White
	RP128KPP200A	TouchScreen Keypad with Prox, White
	RP128PKR300A	Proximity Key Reader
	RP200KT0000A	Proximity Keytags 13.56MHz (10 units)
Wireless Receiver	RP432EW8000A	32 zone wireless receiver, 868 MHz
	RP432EW4000A	32 zone wireless receiver, 433 MHz
Wired Expanders	RP128EZB000A	Bus zone expander
	RP128EZ0100A	Single zone expander. Miniature size for insertion in relay detectors and connection to RISCO Bus.
	RP432EZ8000A	8 zone expander
	RP296E04000A	4 * 3A relay output expander
	RP296E08000A	8 * 100mA output expander
	RP296EXT	X-10 output expander
	RP128EPS000A	3A switching power supply
	RP128B50000A	Plastic Accessory Box
Installer Accessories	RP128EE0000A	Program Transfer Module
	RW132EUSB00A	Adaptor from panel to PC USB
	RW132CB0000A	Adaptor from panel to PC RS232

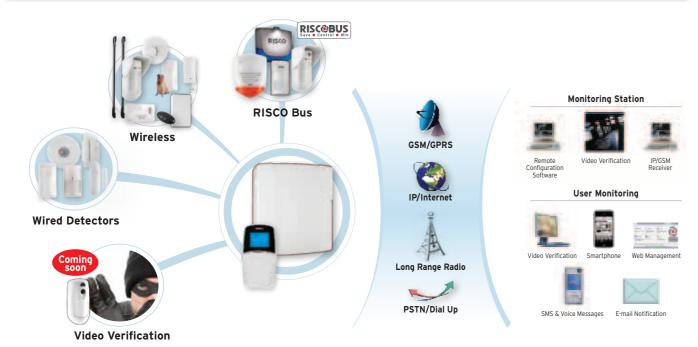# Conquer Your Core Market
with LightSYS™

Professional installers around the globe choose LightSYS for their mass market installations. LightSYS Hybrid Security System offers ultimate flexibility, with advanced IP and GSM/GPRS or Long Range Radio communication as well as your choice of wired, wireless, or RISCO Bus detectors.

Powered by RISCO Group's state-of-the-art technology with a wide range of accessories – LightSYS is your ultimate weapon for conquering small commercial and residential markets.
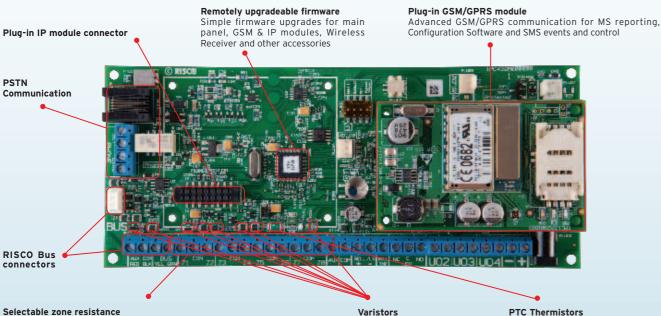
RISCO GROUP
Creating Security Solutions. With Care.

RISCO Bus

Wireless

Wired Detectors

Coming soon

Video Verification

GSM/GPRS

IP/Internet

Long Range Radio

PSTN/Dial Up

Monitoring Station

Remote Configuration Software   Video Verification   IP/GSM Receiver

User Monitoring

Video Verification   Smartphone   Web Management

SMS & Voice Messages   E-mail Notification

RISCO Technology - Leading you to victory

RISCO Group's development team is a creative blend of multi-disciplined professionals with years of experience in hardware, software, and advanced wireless technologies. We continually strive to employ state-of-the-art technologies and create innovative products and solutions – to provide you with a competitive edge, and make your installations easier, more flexible, and more reliable.

LightSYS main board technologies include plug-in GSM/GPRS and IP modules, remotely upgradeable firmware, and selectable zone resistance. RISCO Bus Technology saves you time and money and increases installation flexibility, while Auto-Install and Bus Test simplify installation and maintenance. Programming via the PC Configuration Software and the LightSYS keypad is enhanced due to an adaptive menu tree – only the relevant options are displayed according to the installed accessories and installer/user authority.

Plug-in IP module connector

Remotely upgradeable firmware
Simple firmware upgrades for main panel, GSM & IP modules, Wireless Receiver and other accessories

Plug-in GSM/GPRS module
Advanced GSM/GPRS communication for MS reporting, Configuration Software and SMS events and control

PSTN Communication

RISCO Bus connectors

Selectable zone resistance
Allows upgrading to LightSYS without replacing EOL resistors in installed detectors. Remote zone resistance measurement saves onsite maintenance visits

Varistors
For protection against lightening surges

PTC Thermistors
Automatic fuses that do not require replacing if over-current condition occurs

RISCO Bus Detectors & Sounders

Save on cable and labour costs
Remote programming and diagnostics
Reduce expenses on zone expanders

WatchOUT Extreme
RISCO's award winning reliable outdoor detector with unique technologies
The only outdoor detector with 2 microwave and 2 PIR channels

WatchIN
2 MW and 2 PIR channels with unique technologies
Ideal for harsh industrial and commercial indoor environments

Industrial LuNAR
High ceiling mount detector up to 8.6m (28') with 18m (60') diameter coverage
Ideal for warehouses

iWISE Bus
RISCO Bus versions of iWISE DT and Quad detectors
Include extra relay zone input, saving cabling to the panel

Barrier Beams
Active infrared Barrier Beams for reliable perimeter detection with unique technologies
Direct sunlight immunity, front mounting modules, barrier height up to 2.7m (9')

Lumin8
Professional sounder with logo illuminator
Twin Piezo sound and Surface Light Technology strobe

ProSound
Professional sounder with double skin protection
Surface Light Technology strobe
Logo illuminator - coming soon

Wired Relay Detectors

Note – The above RISCO Bus Detectors and Sounders can also be installed as regular wired relay devices, except iWISE Bus which is designed for Bus installation only

iWISE
RISCO's flagship detector series with built-in EOL resistors
DT, QUAD, or DT Pet models

LuNAR
360 ceiling mount up to 4m (13') high, 12m (40') diameter coverage
Slim design fits any decor

DigiSense
Digital detector series with built-in EOL resistors
DT, QUAD and Pet models

ShockTec Plus
For reliable 24 hour perimeter shock detection
With or without door/window contact on separate zone

Vitron Plus
Provides reliable 24 hour glassbreak detection
Dual frequency pattern recognition

Wired Flood Detector
Alarms in case of flooding above the sensor level
IP67 environmental rating

Wireless Accessories

Security

Wireless WatchOUT
Reliable outdoor volumetric detection with 2 PIR channels
12m (40') wide-angle coverage, IP65 rating

Wireless Barrier Beams
Active infrared Barrier Beams for reliable perimeter detection with unique technologies
Direct sunlight immunity, low battery consumption, front mounting modules, barrier height up to 2.7m (9')

Wireless iWAVE
PIR with simple bracket to wall installation
15m range for PIR, 12m for Pet friendly model

Wireless iWISE
PIR with creep zone
15m range for PIR, 8m for Pet friendly model

Wireless Shock & Shock+Contact
For reliable 24 hour perimeter shock detection
With or without door/window contact on separate zone

Wireless Door/Window Contacts
Overcomes large magnets by signaling tamper
Dual zone, higher security and shutter pulse models

Wireless Glassbreak
Provides reliable 24 hour glassbreak detection
Dual frequency pattern recognition

Wireless Sounders – to be supported soon
Fully wireless outdoor and indoor sounders
Variety of designs and strobe colours to suit your needs

Video Verificaton   Coming soon

eyeWAVE
2-way fully wireless camera and PIR detector
Captured sequence of images allow video verification of events

Home Safety

Wireless Smoke Detector
Photoelectric smoke detection
Includes internal sounder

Wireless CO Detector
Detects carbon monoxide buildup
Includes internal sounder

Wireless Gas Detector
Detects presence cooking/heating gas - butane, propane and methane (natural gas)
Requires local power, includes internal sounder

Wireless Flood Detector
Alarms in case of flooding above the sensor level
2.4m (8') cable between flood sensor and wireless transmitter

Keyfobs and Panic Transmitters

Wristband Panic Transmitter
Stylish design, can also be worn as a pendant
Water resistant IP67 rating

2-Button Panic Keyfob
Prevents false panic alarms – triggers only when both buttons are depressed together
Keyring or belt mounting

4 Button Keyfobs
Rolling code technology or zone assignment
Button functionality programmable to arm, disarm, stay, panic and output activation