LightSYS™
Flexible Hybrid System

Touchscreen

32 wireless zones

Flexible wiring

Text/Email

RISCO Bus

Hybrid

Choice
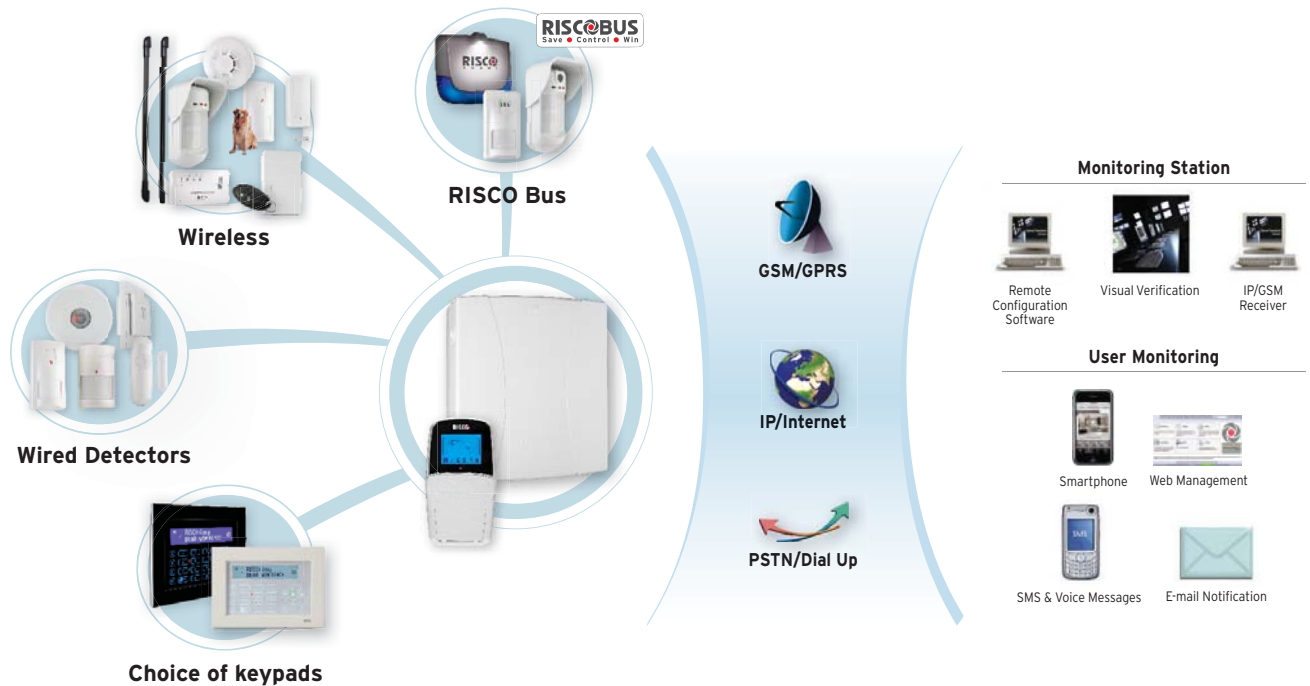
The Power of Choice

with LightSYS™

RISCO Group
✓ 08:00 MON 05 NOV

Professional installers around the globe choose LightSYS™ for their mass market installations. The LightSYS™ hybrid security system offers ultimate flexibility with a choice of keypads, email and text options, 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™ gives you the power of choice for conquering small commercial and residential markets.
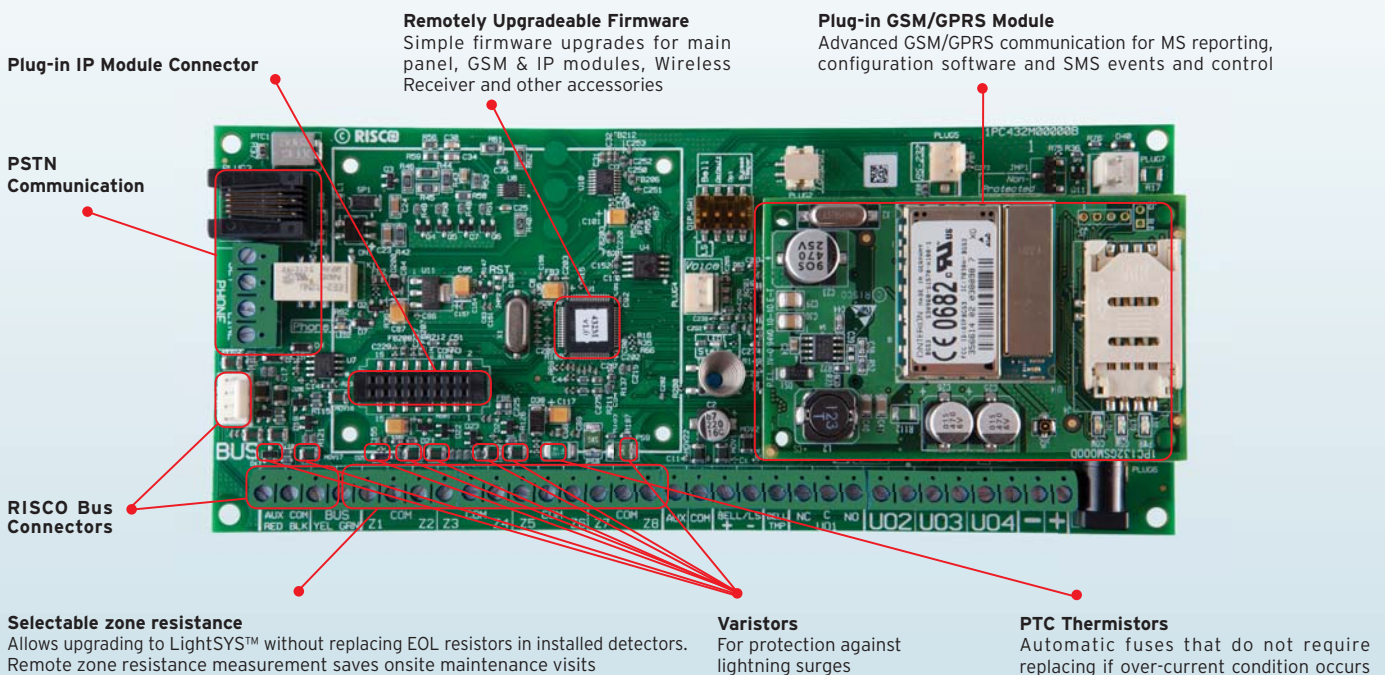
RISCO
GROUP

Creating Security Solutions.
With Care.

riscogroup.co.uk

LightSYS™ Architecture

Wireless

RISCO Bus

Wired Detectors

Choice of keypads

GSM/GPRS

IP/Internet

PSTN/Dial Up

Monitoring Station

Remote Configuration Software | Visual Verification | IP/GSM Receiver

User Monitoring

Smartphone | Web Management

SMS & Voice Messages | E-mail Notification

RISCO Technology - Leading at the Forefront of Innovation

RISCO Group's development team includes 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

PSTN Communication

RISCO Bus Connectors

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

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 lightning surges

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

Wired, Wireless or RISCO Bus Detectors - The Decision is Yours

RISCO Bus Detectors & Sounders

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

RISCO BUS
Save ● Control ● Win

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

BWare™ & iWISE® Bus
- RISCO Bus versions of BWare™ & 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

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

Wired Relay Detectors

BWare™
- RISCO's state-of-the-art detectors series with K-band microwave and unique detection technologies
- Convex lens improves catch performance

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

LuNAR™
- 360º 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
- Sounds 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 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

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
- Sounds 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 pushed down together
- Keyring or belt mounting

4 Button Keyfobs
- Rolling code technology or zone assignment
- Button functionality programmable to set, unset, stay, panic and output activation

LightSYS

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
  - Outside 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)
Communication	PSTN onboard Plug-on IP or modem Plug on GSM/GPRS STU Adaptor

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 Receiver
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 (Polycarbonate box) (Height x Width x Depth)	288mm x 254mm x 90mm (11.3" x 10.0" x 3.54") Place for Main, Power Supply, 7Ah Battery, IP and GSM/GPRS modules (wireless receiver, voice module, zone expanders, output expanders)

Specifications are subject to change without prior notice

DD243, PD6662: 2010 & EN50131 Security Grade 2

CE