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Creating Security Solutions, With Care

LightSYS™ 2 v5.64

Introduction

Lesson Objectives

By the end of this lesson, you will be able to…

- Describe the principle of Intrusion Security Systems
- Explain LightSYS 2 use and operation concept
- Identify the main components of LightSYS2
- Explain system capabilities
- Explain the main features and benefits of LightSYS2

Agenda

- Introduction to Intrusion Security Solutions
- Introduction to LightSYS 2
- LightSYS 2 Main Components
- Main Board & Additional Modules
- RISCO BUS
- Programming Tools for LightSYS 2
- Smartphone & Web Applications
- LightSYS 2 - Benefits

Intrusion Security Solutions

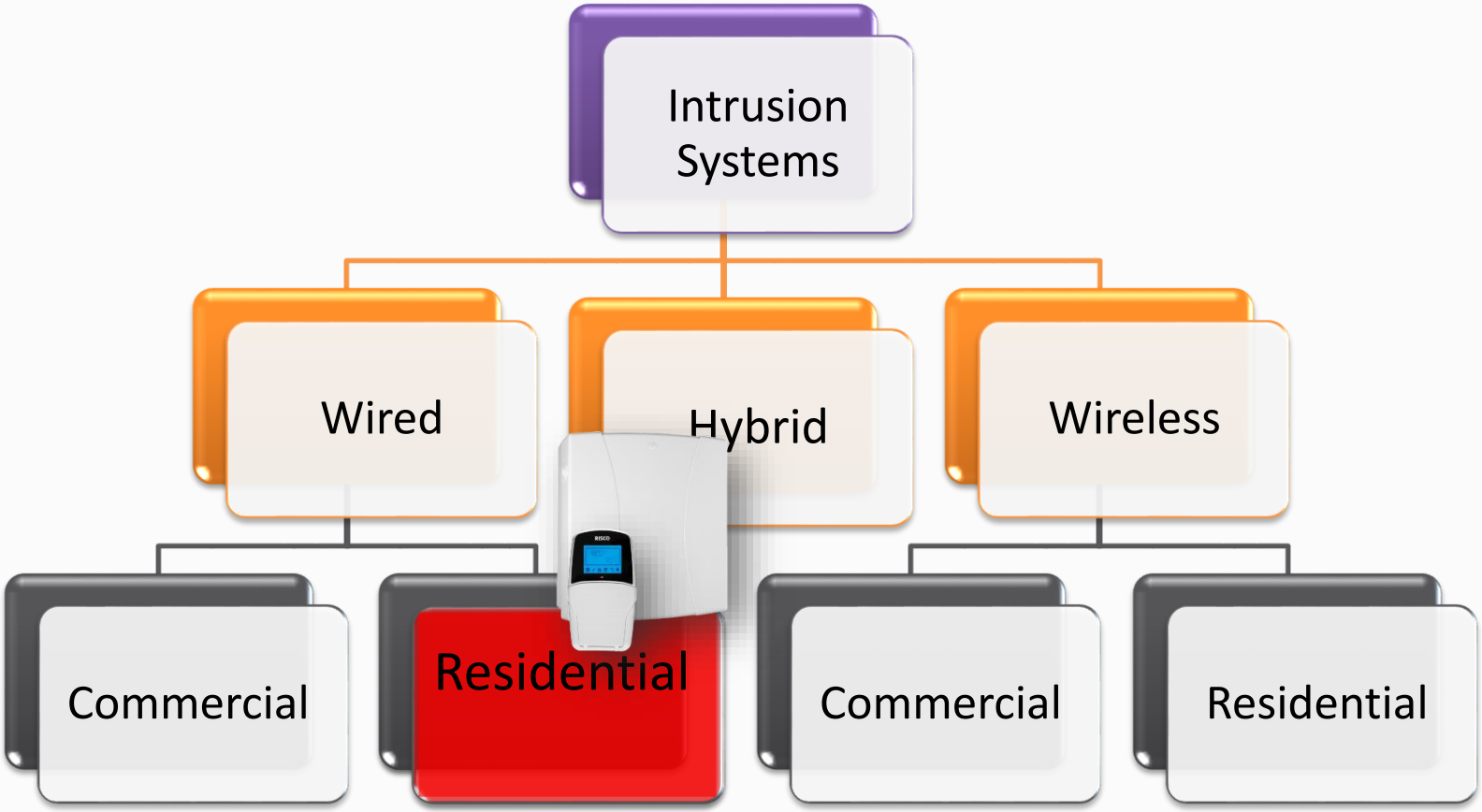
Detect intrusion or unauthorized entry into a building or restricted area

Used in residential, commercial, industrial, and governmental properties

Allows integration with additional features such as fire, gas or flood detection

Can work as Standalone system or connected to a Central Monitoring Station

Intrusion Security System Types



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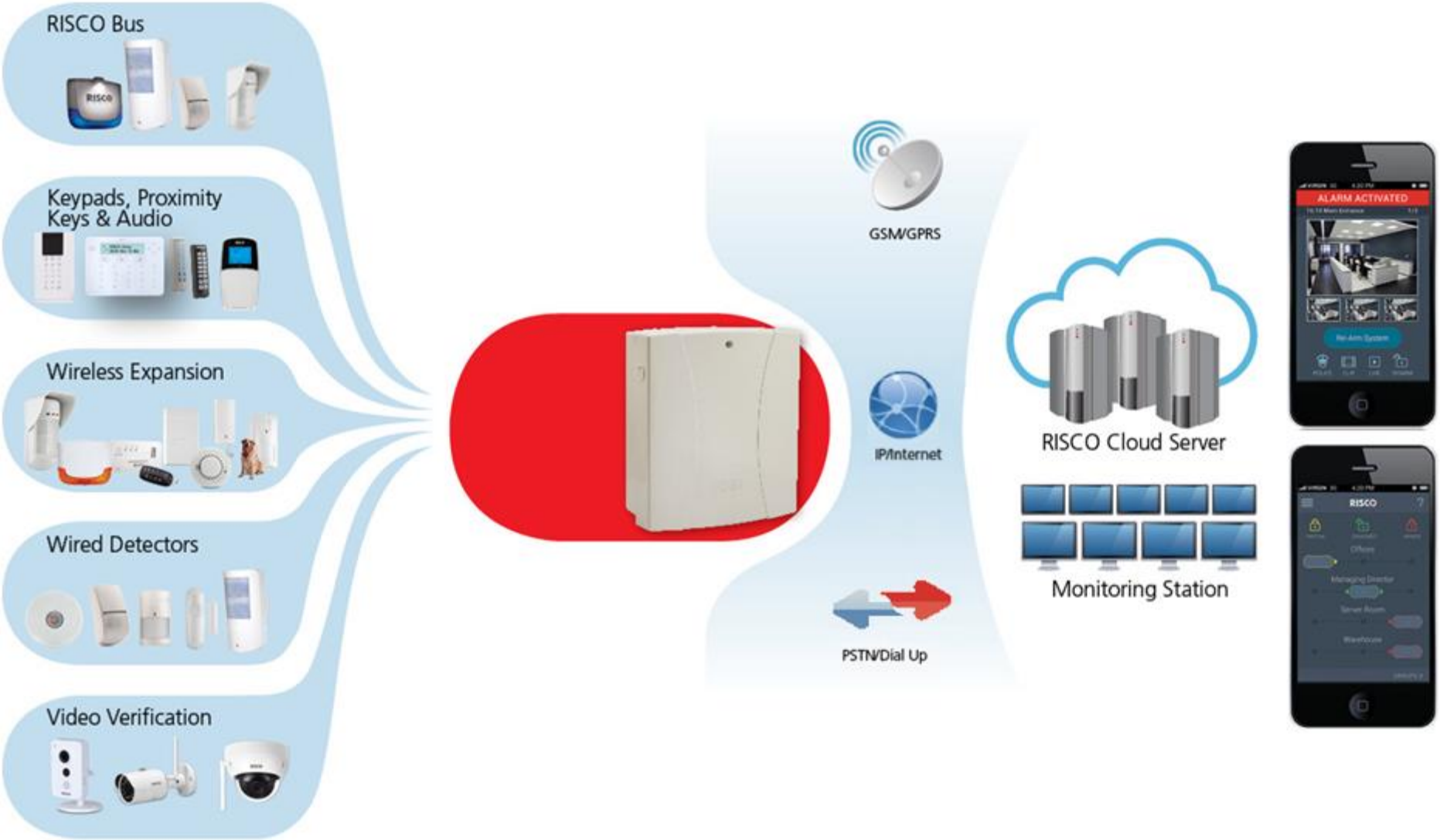
LightSYS 2 – Solution Overview



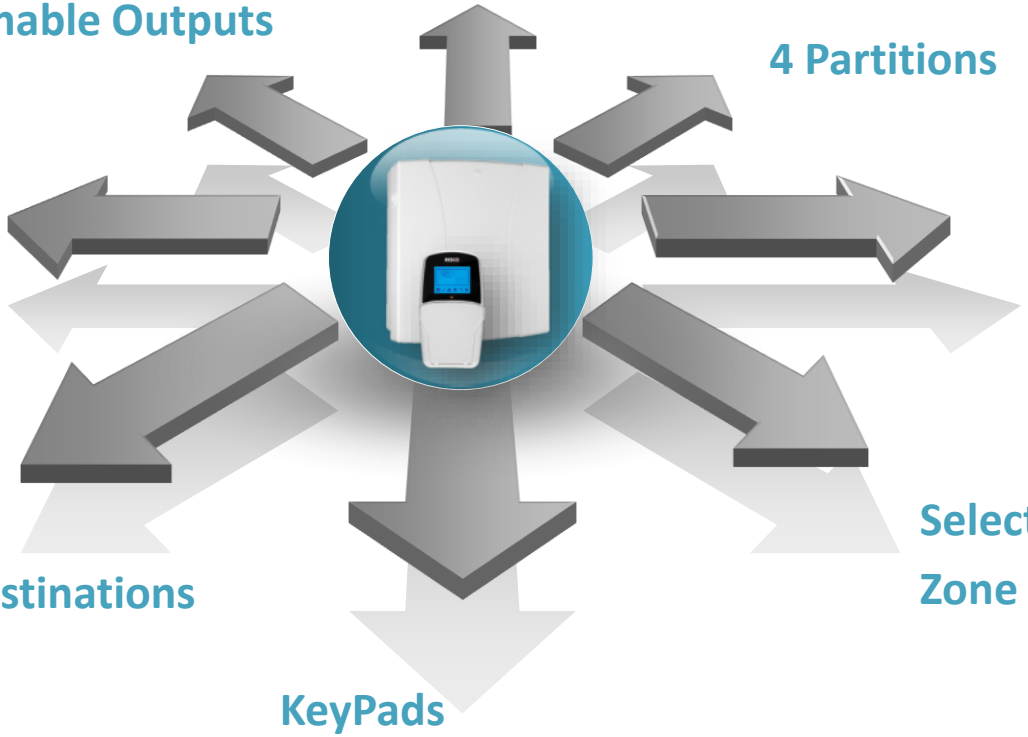
Specifications

8-50 Zones

4-32 Programmable Outputs

4 Partitions

1000 Events Log



30 User Codes

Selectable Zone Resistance

16 “Follow Me” Destinations

KeyPads

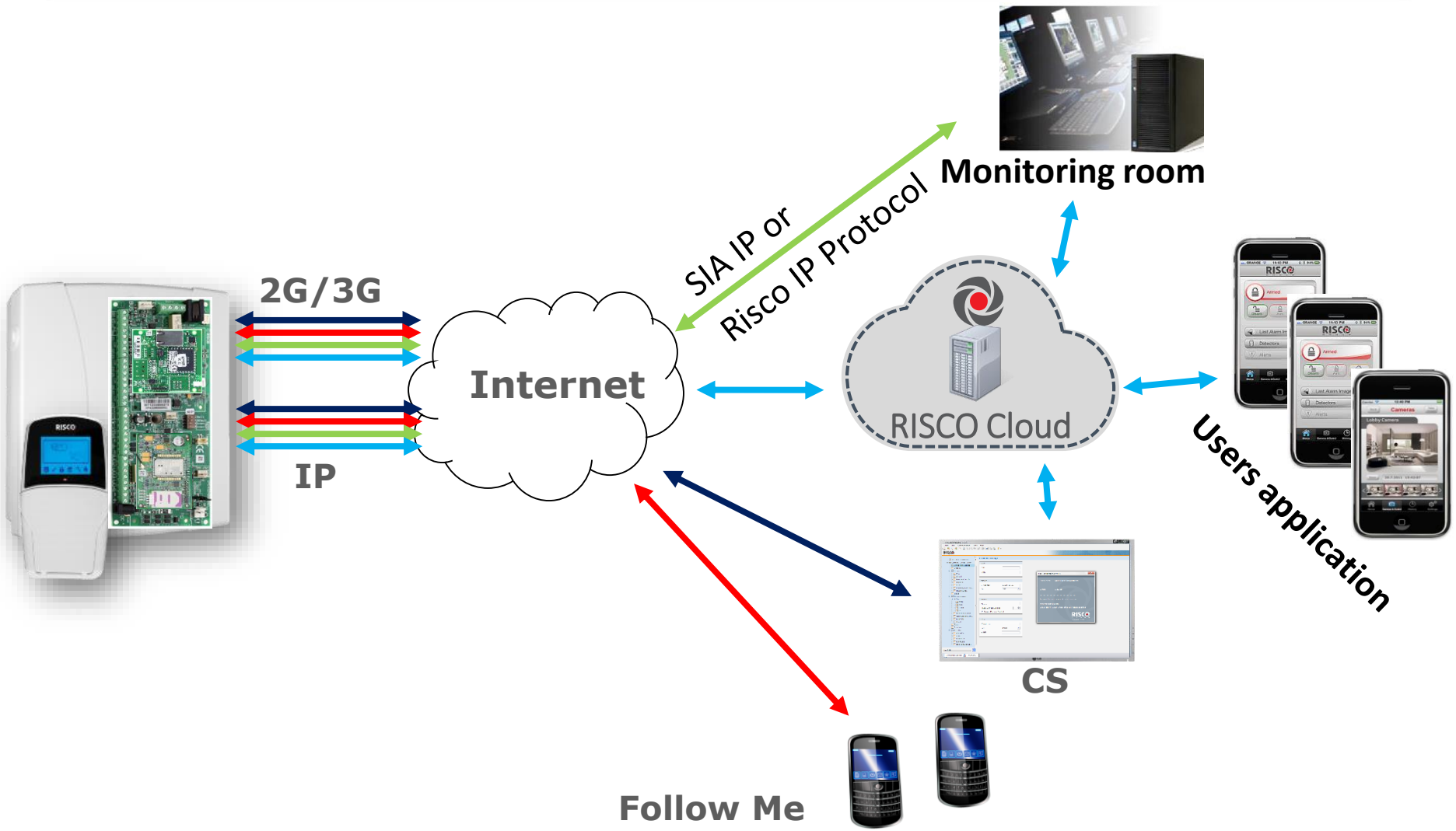
4 Wired or 2-Way Wireless Slim Keypads

16 WL Keyfobs

LightSYS Multi-Socket Support

- The option to communicate with different services in parallel as:
  - RISCO Cloud
  - Monitoring Central Station (Alarm Receiving Center)
  - Follow Me of Emails & SMS's
  - Configuration Software or SynopSYS software
- Multi-Socket works with IP, 2G or 3G
- Can be installed ONLY on PCB E

Multi-Socket Communication



Cloud Communication Back-up Channel

- Supporting the option of cloud back-up (IP to GPRS or GPRS to IP) only with the following modules availability:
  - IPC2 and G2G3G are allocated
  - IP is NONE and G2G3G is allocated
  - IPC2 is allocated and GSM is NONE
- Using any other combination of modules ,back up option will not be presented

Note: This option is supported by CS from version 3.0.1.

What is Cloud Service?

Google

Microsoft

RISCO Cloud

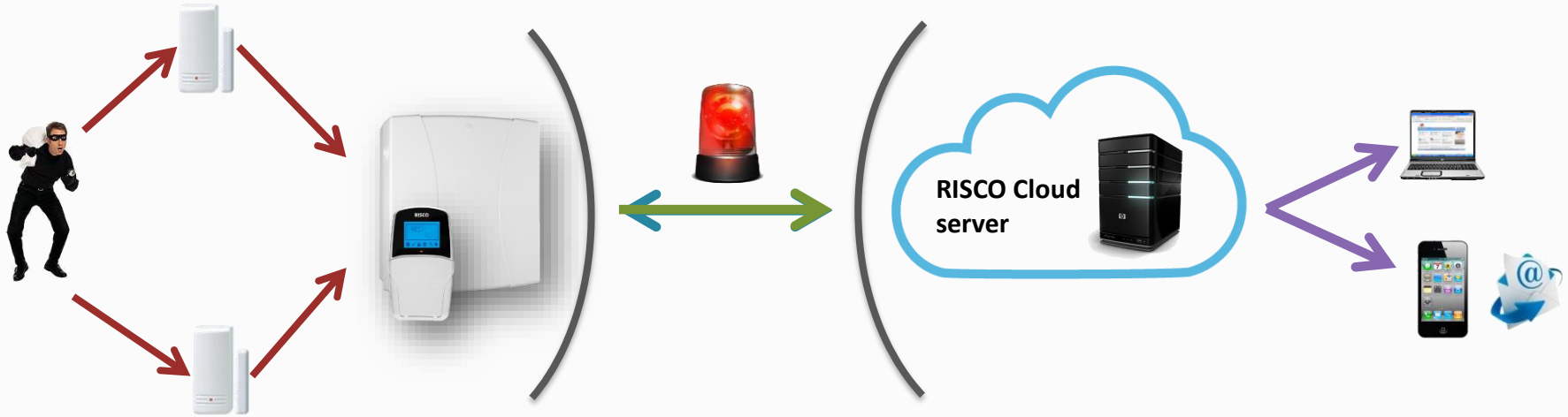
LightSYS2 Basic Concept

The panel is constantly connected to the Cloud Server

Upon intrusion detection, the devices report to the panel

Panel sends intrusion notification to RISCO Cloud

User is notified



LightSYS2 Basic Concept with VUpoint

LightSYS2 with Alarm Verification Flow

IP Cameras

Monitoring Station

Premises Gateway

RISCO Cloud

Alarm Event sent to RISCO Cloud

LightSYS2

Detector Alarms

LightSYS2 with Alarm Verification Flow

IP Cameras

Monitoring Station

Premises Gateway

RISCO Cloud identifies the event and activates the IP camera

RISCO Cloud

LightSYS2

LightSYS2 with Alarm Verification Flow

IP Cameras

Monitoring Station

Premises Gateway

Camera takes images and sends to RISCO Cloud

RISCO Cloud

LightSYS2

LightSYS2 with Alarm Verification Flow

IP Cameras

Monitoring Station

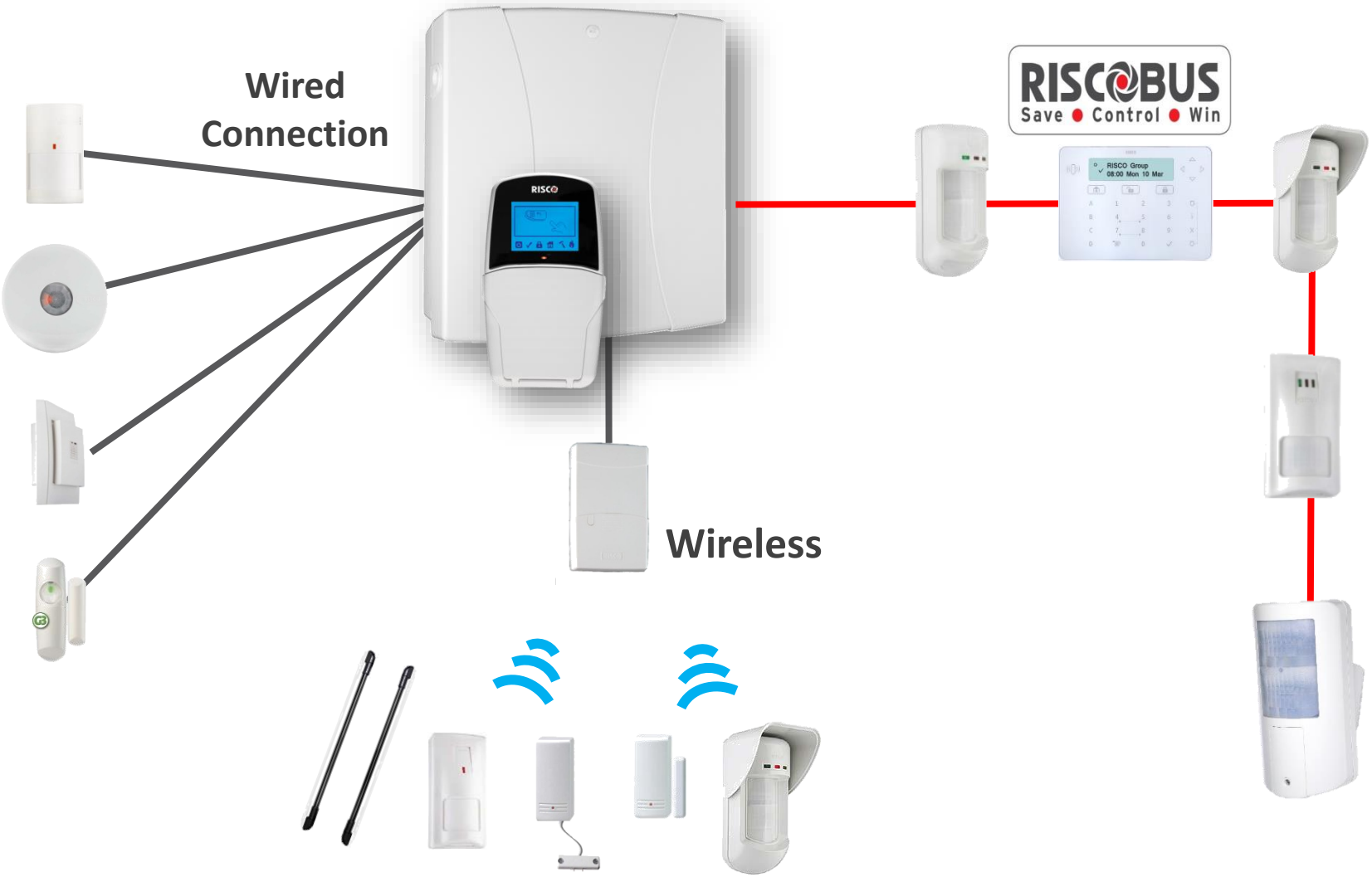
Cloud links images to Alarm Event and sends to MS and/or Smartphone App

Premises Gateway

RISCO Cloud

LightSYS2

LightSYS2 System Flexibility



LightSYS2 Communication Methods

PSTN

IP

GSM/GPRS

LightSYS2 Capabilities

Security

Life Safety

Elderly Care

Security – Wireless Devices

One Way Communication

Two Way Communication

Security – Wired Devices

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Detectors

Security – RISCOBUS Devices

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Sounders

RISCOBUS
Save • Control • Win

Detectors

Life Safety Capabilities

Smoke and Heat

Flood Detector

Gas Detectors

Elderly Care Capabilities

Panic / Assistance Transmitters

Control Devices

Keypads

Keyfobs

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Main Components

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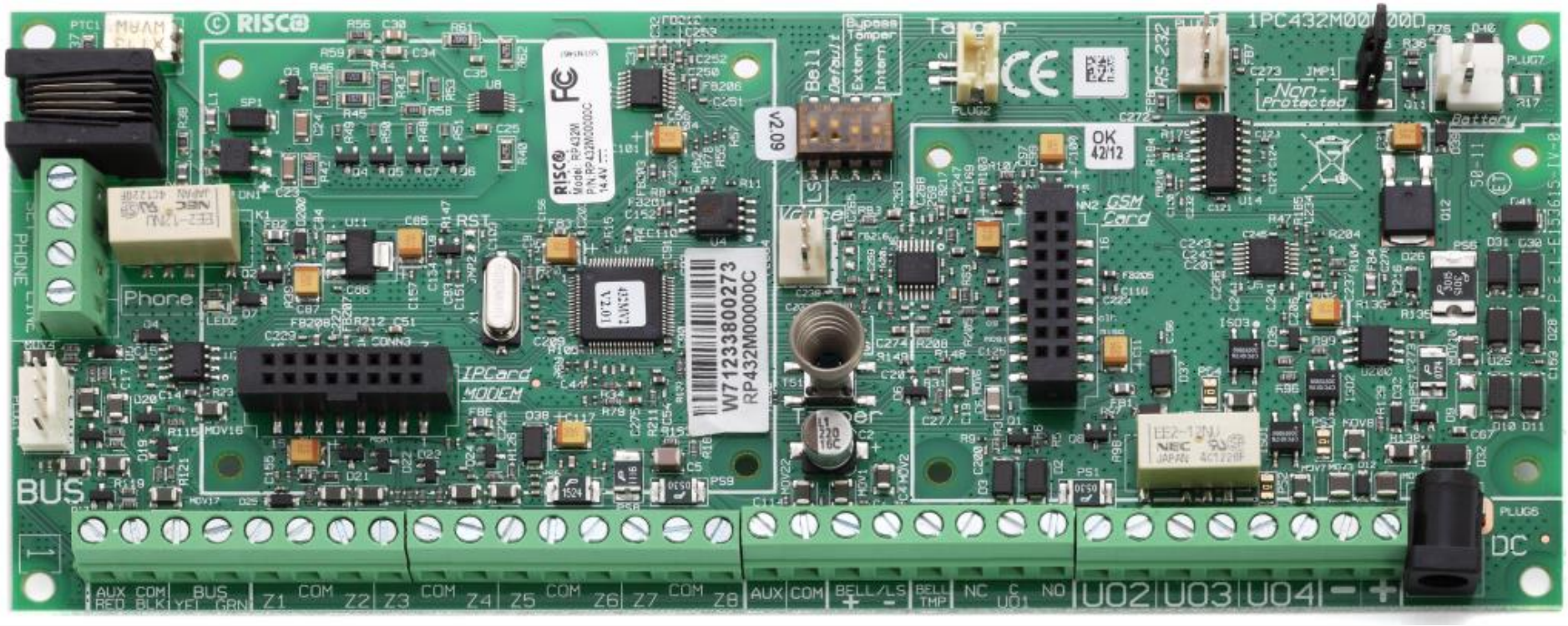
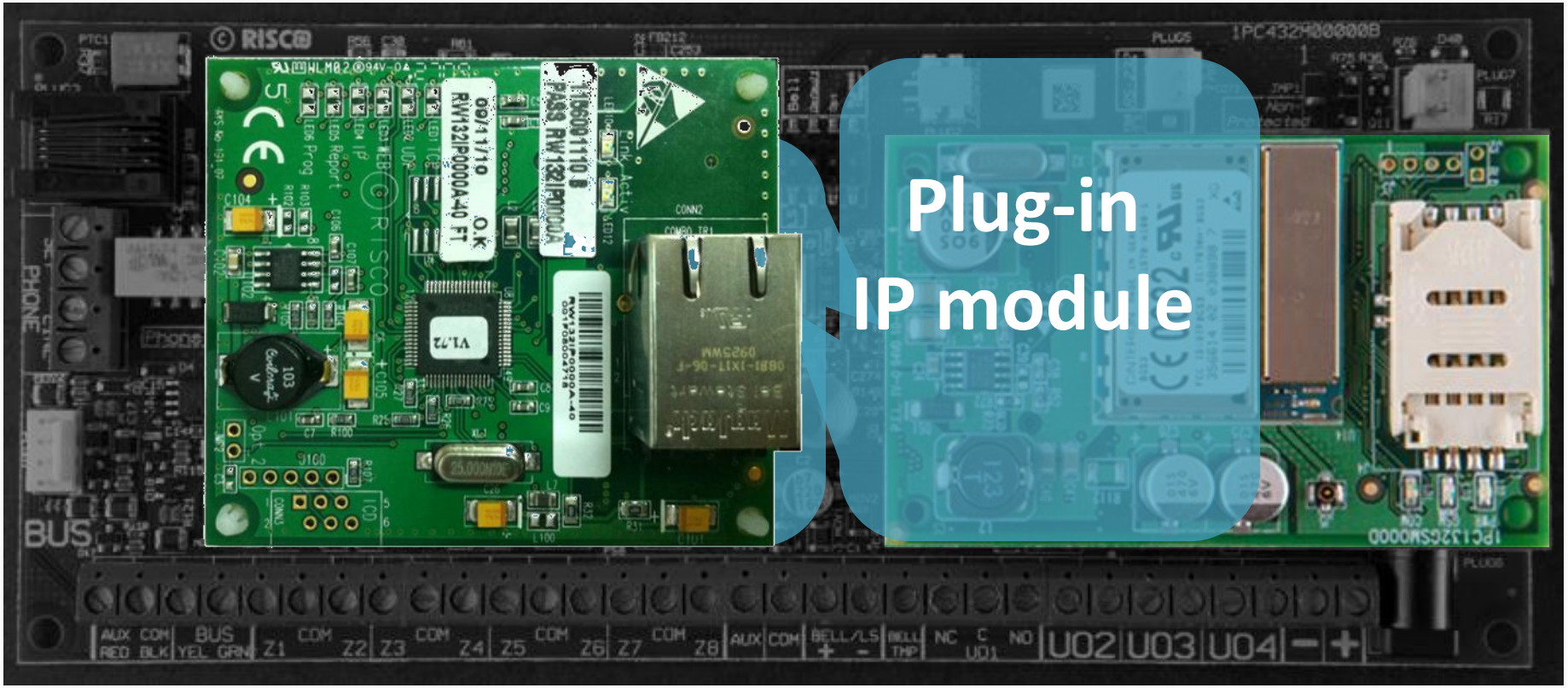
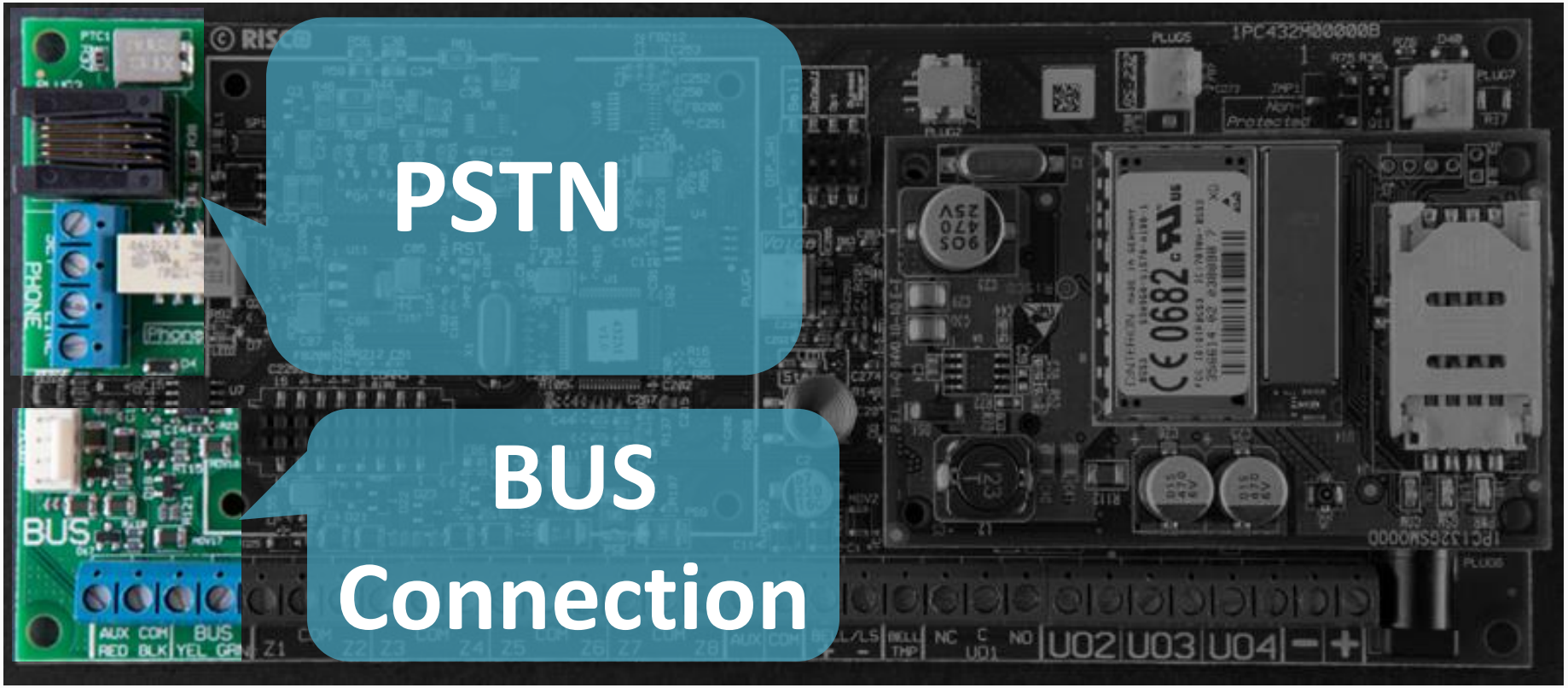
Main Board


RISCO
Phone
IPCard
MODEM
GSM
Card
Non-
Protected
Battery
RS-232
Bell
Default
Extern
Intern
Bypass
Tamper
W71233800273
RP432M00000C
BUS
AUX COM BELL/LS BELL TMP NC C NO
U02 U03 U04
DC

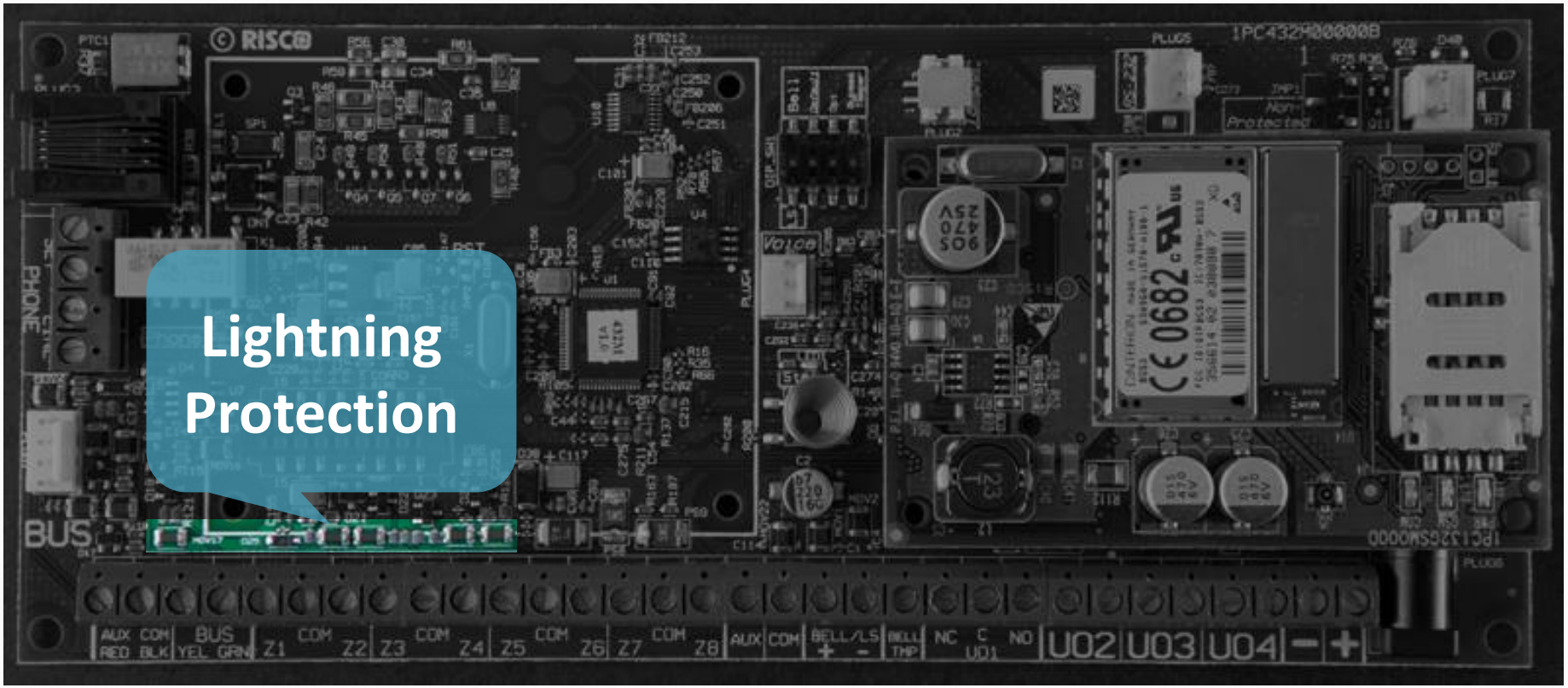
GSM/GPRS & IP Modules



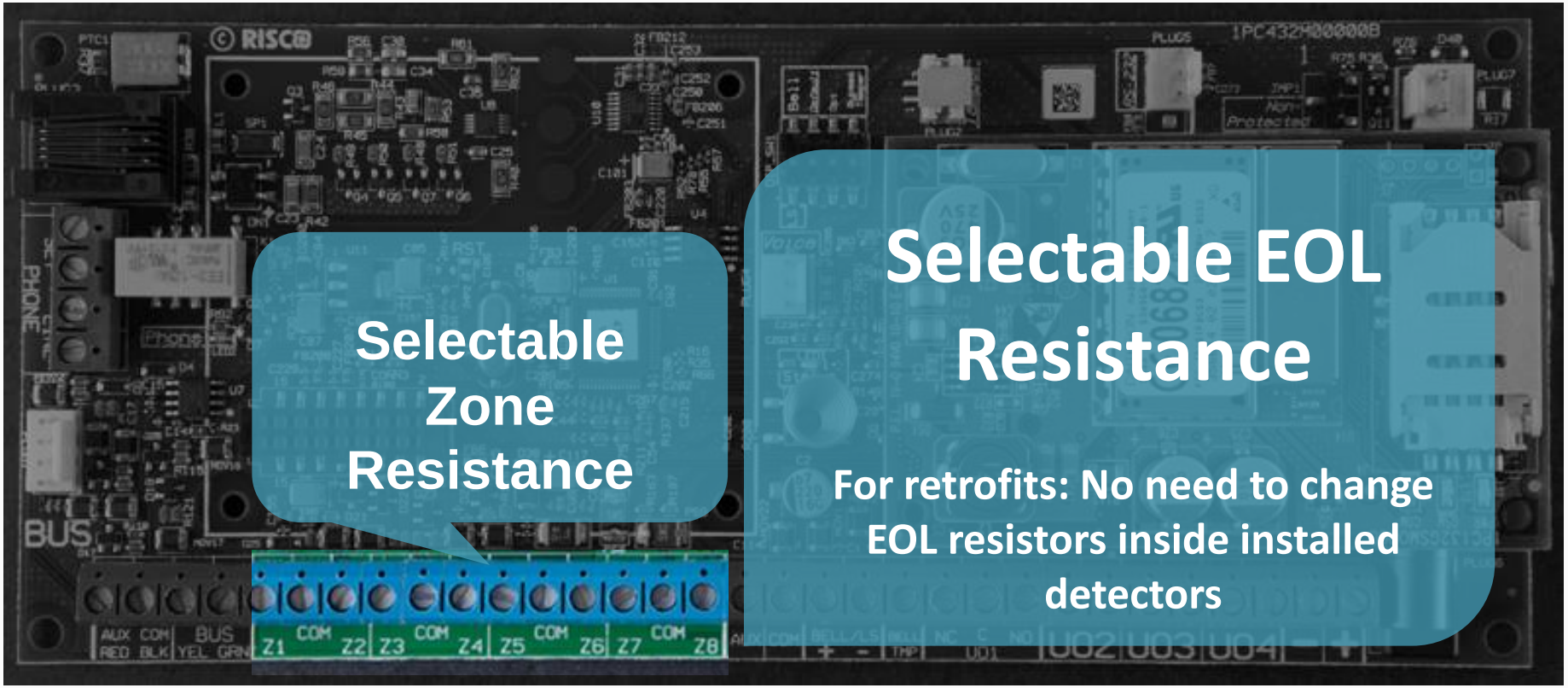
PSTN & BUS Connection



Lightning Protection



Zone Resistance



2-Way Wireless Expander

- Allows up to 50 wireless zones and 16 rolling code key fobs
- Full flexibility of zones
- Maximum range with up to 2 wireless expanders per LightSYS
- Includes 2 wired outputs (1A)
- Can be mounted inside the LightSYS Polycarbonate housing

Digital Voice Module

- Improved voice quality
- Full-Duplex Communication from any Telephone
- Full voice menu guide
- Up to 3 Listen-In and Speak Modules
- Pre-recorded event messages
- Supports multiple languages

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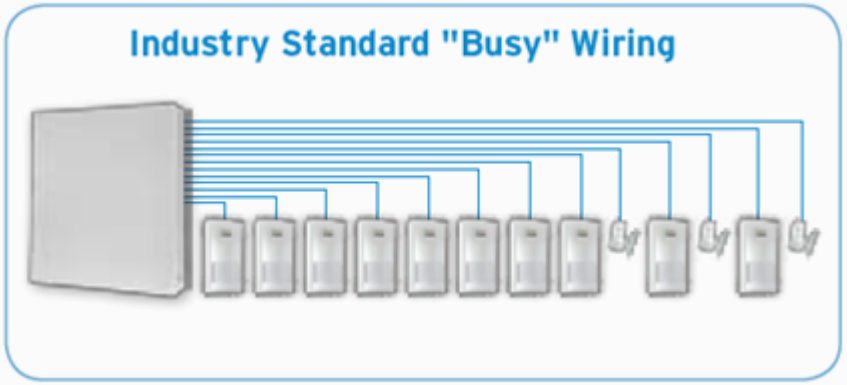
RISCO Bus



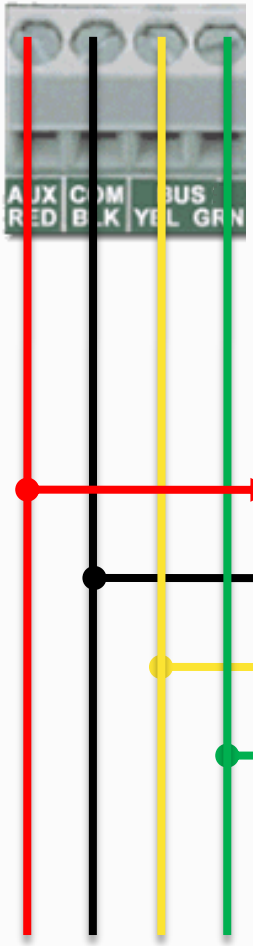
Virtually all detectors can be installed in series on a 4-core alarm cable

Drastically reduces installation time, shortening wiring lengths and on-site maintenance

Includes BUS Test Feature

RISCO Bus

BUS Terminals



RISCOBUS
Save • Control • Win

+12V DC Power for modules on the Bus (AUX)

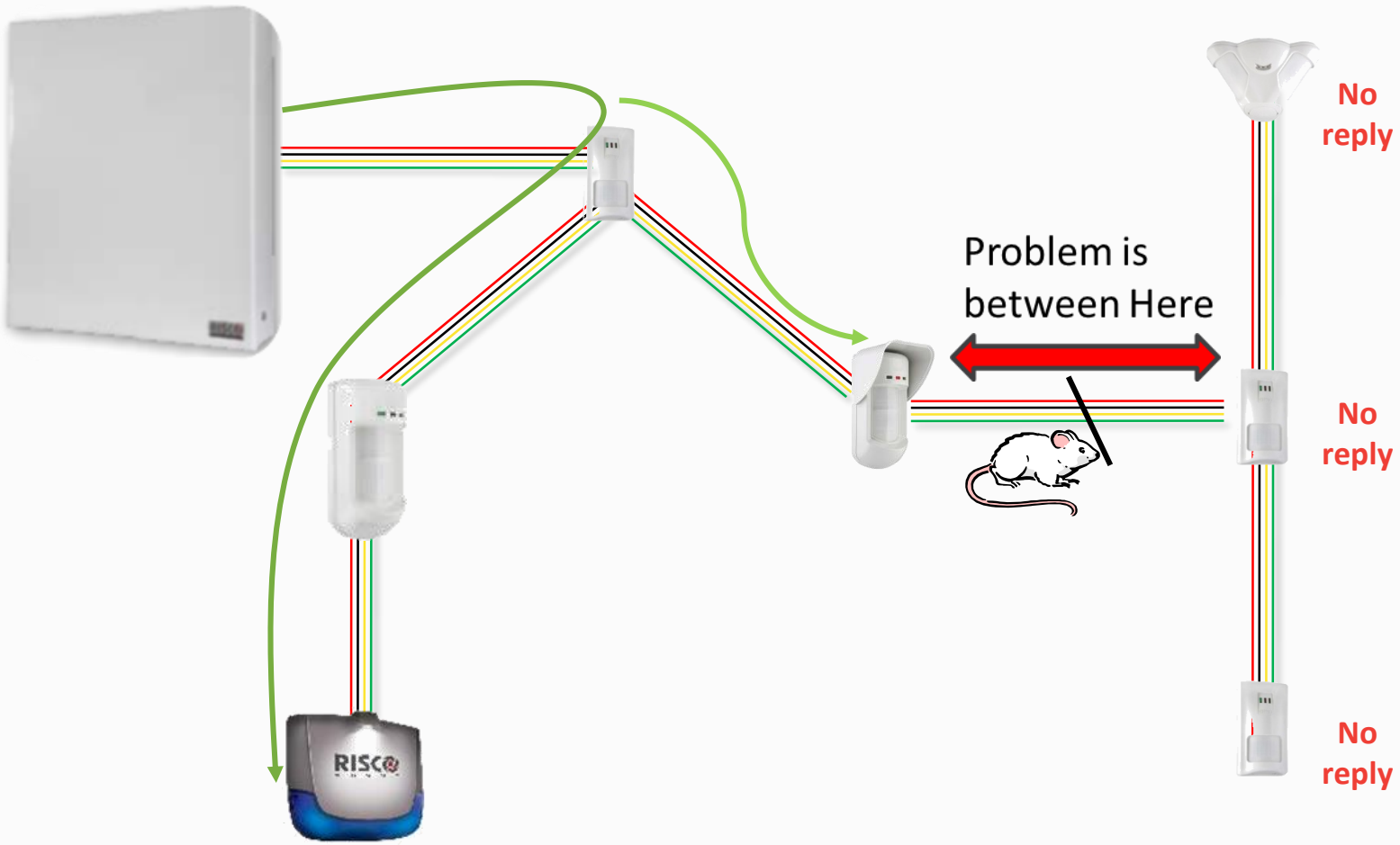
0V common for modules on the Bus (COM)

RS 485 DATA

RS 485 DATA

Send Settings, Receive Events, and Read Diagnostics

Bus Test



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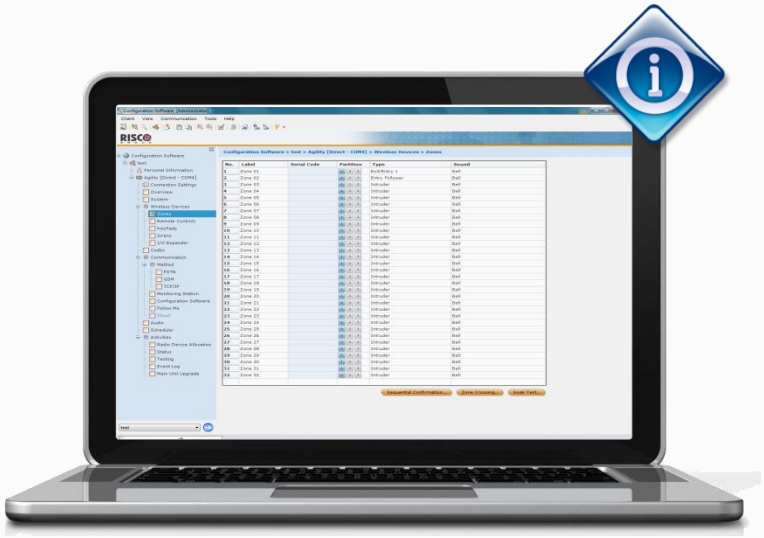
Programming Tools



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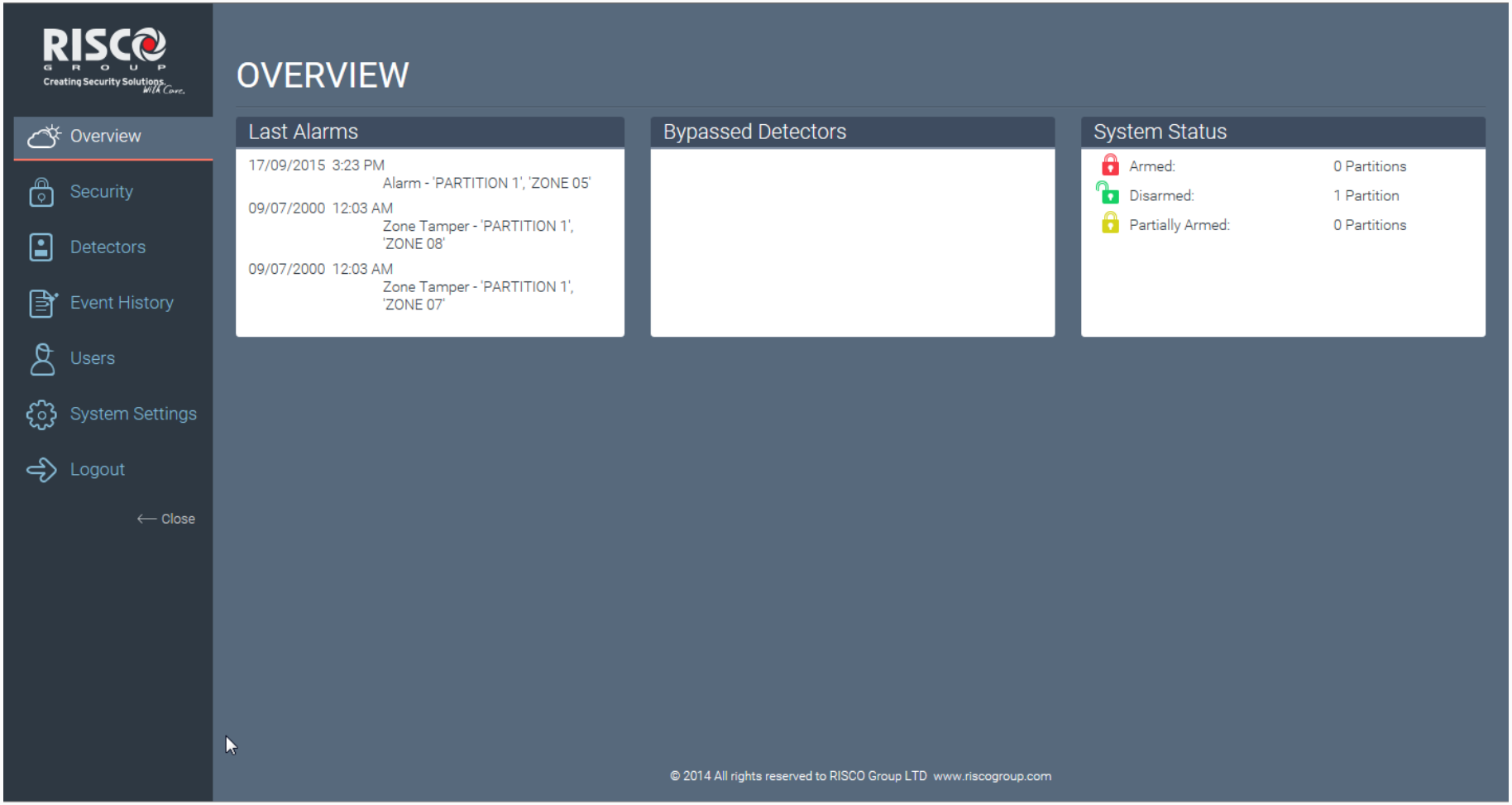
Smartphone Application

- Allows the end user to remotely control the system
- Easy to install and control on the Smartphone
- Available on Android and iPhone Smartphones

Web Application



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LightSYS 2 - Benefits

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Live Video Verification

Integrated IP Cameras

Snapshots for quick alarm verification

Live video streaming upon demand

Easy to sell with Smartphone App

Simple to Install and Support

Snap-in modules and Plug-in communication modules within the main housing

Wide range of fully wireless sounders, keypads, keyfobs and detectors

Remote service and configuration with RISCO Bus and 2-Way Wireless detectors

Keypad menu: only relevant menus are displayed

Automatic upgrade of accessories from main panel during installation

Quicker retrofit with selectable EOL resistance

Seamless CS connectivity via RISCO Cloud

Flexible

Wired, 2-Way Wireless or RISCO Bus detectors in any combination

A variety of keypads, accessories and peripherals for any application and budget

Communication flexibility – IP, GSM/GPRS, PSTN –all within the main housing

Wireless Expander installed inside or outside the main housing

Suitable for residential, SMB, remote sites and more

Installers Benefits

- Installation Flexibility
- Advanced & Modern
- LightSYS Keypads
- Remote Firmware Upgrade
- Bus Test

Summary

Risco Cloud Server

Communication Flexibility

RISCOBUS
Save ● Control ● Win

Flexible

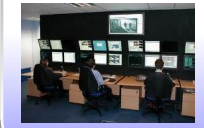
Video Verification

Multi-language

Smartphone APP/WEB

Choice & Variety

Low Maintenance Cost



Connection to Monitoring Station

Any Questions?

Thank You

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