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RISCO University

RISCO GROUP

Creating Security Solutions, With Care

ProSYS Plus

Installation

V 1.1.0.10

Lesson Objectives

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

- Describe the installation workflow
- Explain each step of the installation workflow
- Understand the common characteristics of an installation

Agenda

- ✓ Installation Prerequisites
- ✓ Installation Workflow
- ✓ System Registration

End User Location Prerequisites

Electricity socket/connection

IP Module:
Internet connection

PSTN Module:
Modem

GSM Module:
Full GSM, Data Package

Installer Prerequisites

IP Module:
RJ45 Network Cable

PSTN Module:
RJ11 Telephone Cable

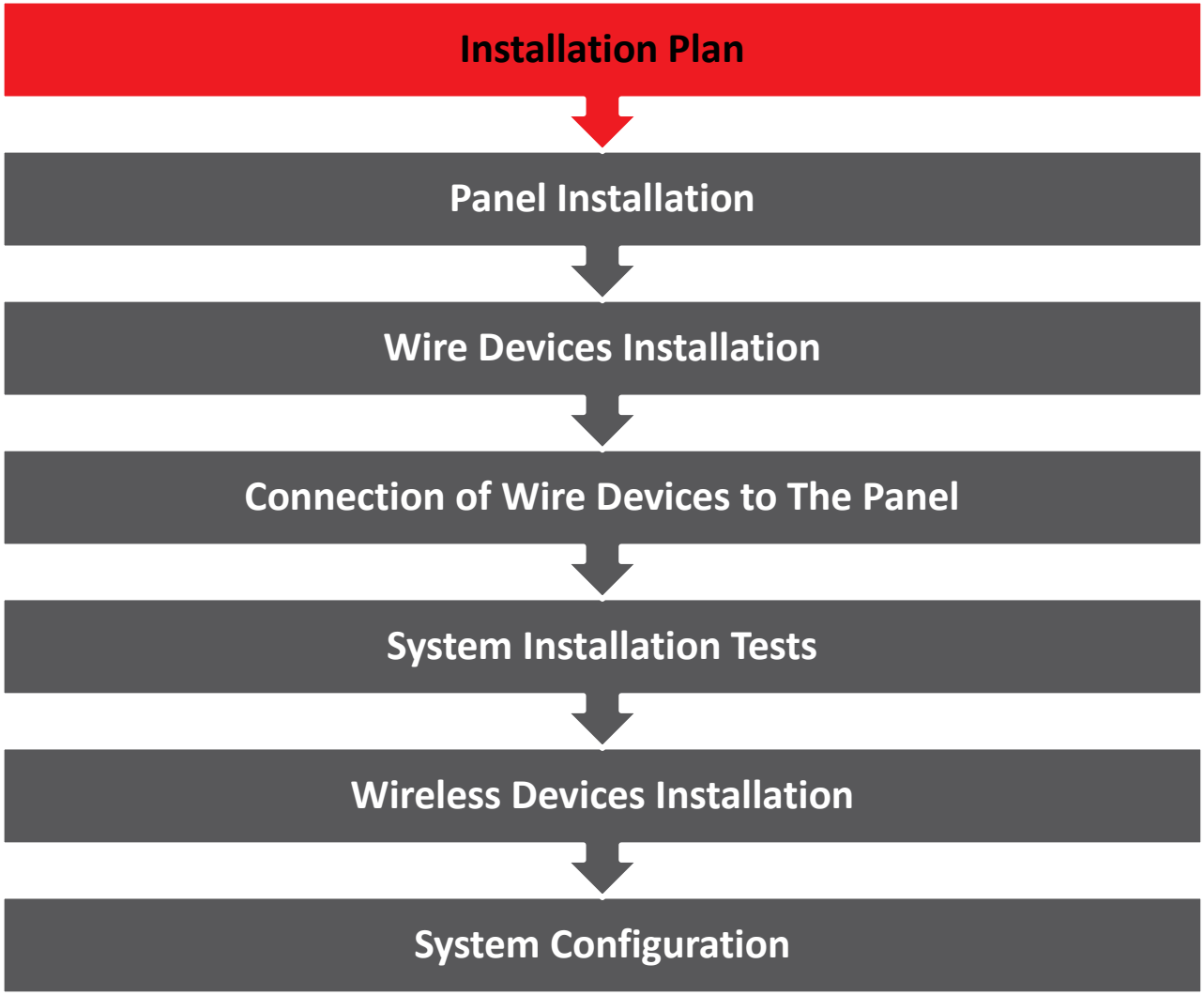
GSM Module:
2.5G or 3G SIM Card

Wires / RISCO BUS

Agenda

- ✓ Installation Prerequisites
- ✓ Installation Workflow
- ✓ System Registration

Installation Workflow



Ask Your Self!

While Planning the Installation of RISCO BUS devices, you MUST consider the Installation limitations of RISCO BUS devices.

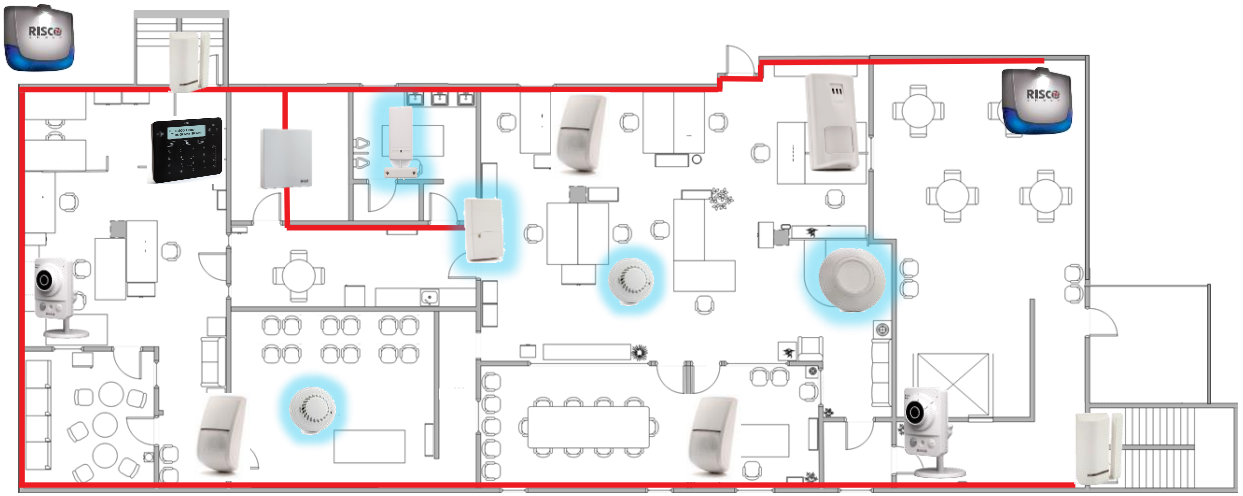
What are the system requirements?

Which modules to install?

Installation Plan

How many detectors to install?

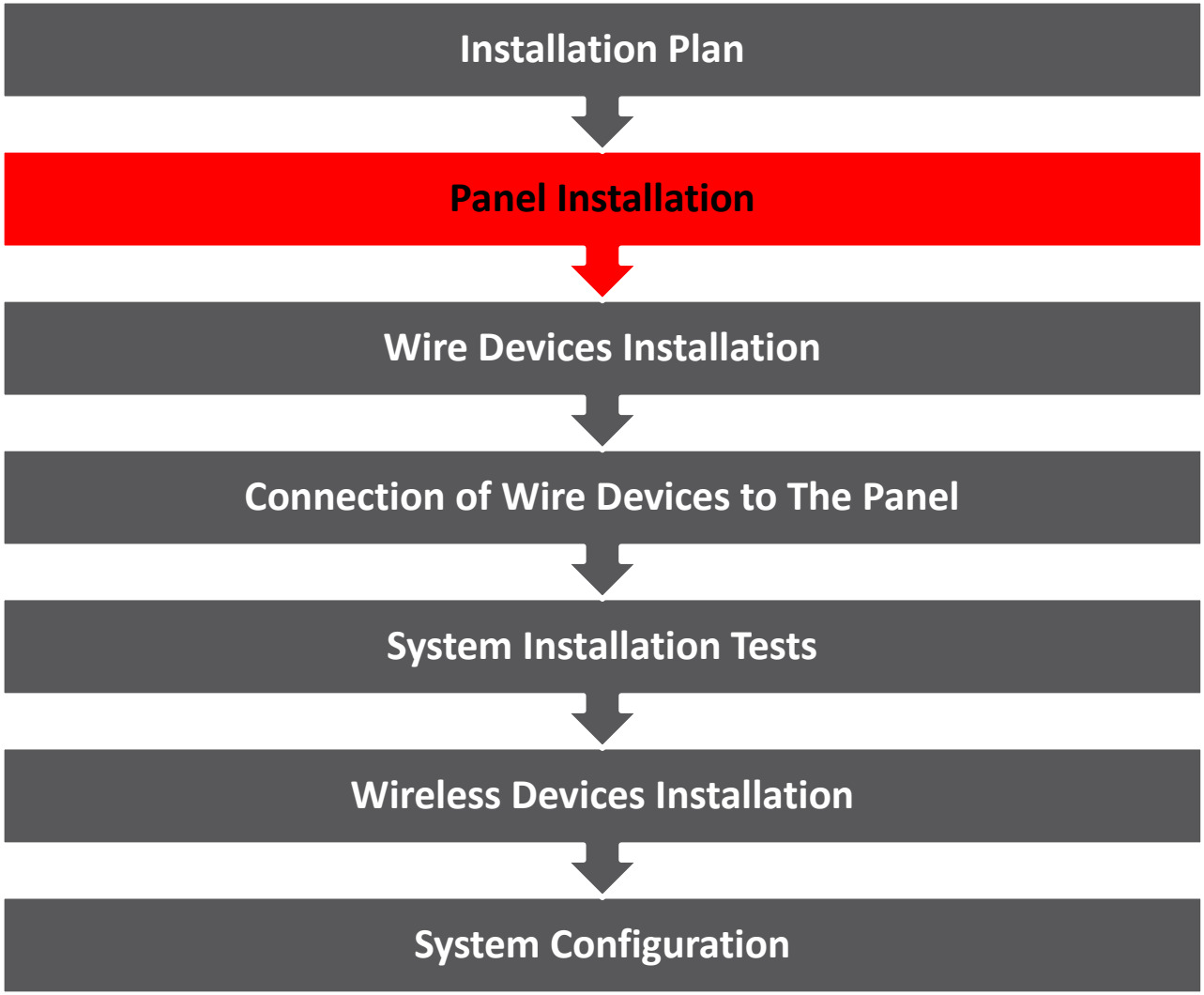
Additional Accessories?



Main Panel Mounting Guidelines

- Centrally located among the detectors
- Good GSM reception
- Near power source
- No source of RF disturbance
- Near telephone or IP outlet
- Secure and hidden location

Installation Workflow



ProSYS Plus Panel Installation Workflow

Mount the Panel

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Install the Main Board

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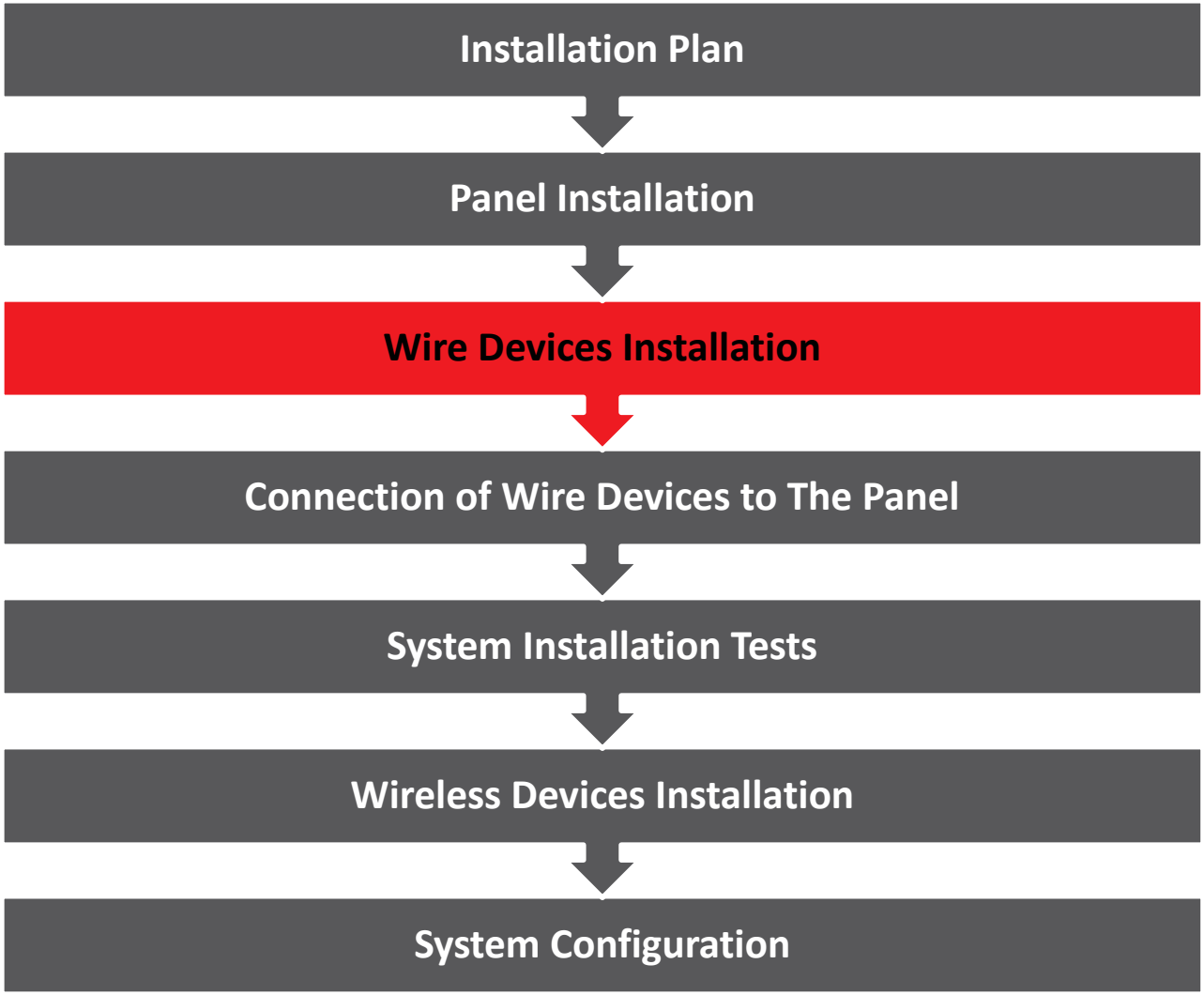
Installing Plug-In Communication & Audio Modules

Installation Workflow



Wire / BUS Devices Installation

Find the optimal mounting location for each device

Install each device according to the device Installation Guide

Wire the device to panel location

Make sure the mounting location is according to the device requirements

The keypad will always be connected to Risco BUS

Identification

Categories	Respective Bus Devices
Zones	Bus Zone Expanders
	Bus zones (bus detectors)
	Zone expansion modules: single-zone expander, 8-zone expander, 16-zone expander
	Wireless Expander
Outputs	Output expansion modules: (4xDry Contact/3A 8xOpen Collector/100 mA
Power Supply Units	Power supply expansion modules: 1.5A, 3A
Wired Keypads	Elegant, LCD, etc.
BUS Sounders	ProSound, Lumin8

IDs Within A Family | Single BUS Line

Wired Keypads

ID 1

ID 2

ID 3

ID 4

Zone Expansions

ID 1

ID 2

ID 3

ID 4

BUS Zones

ID 1

ID 2

ID 3

ID 4

IDs Within A Family | Multiple BUS Lines

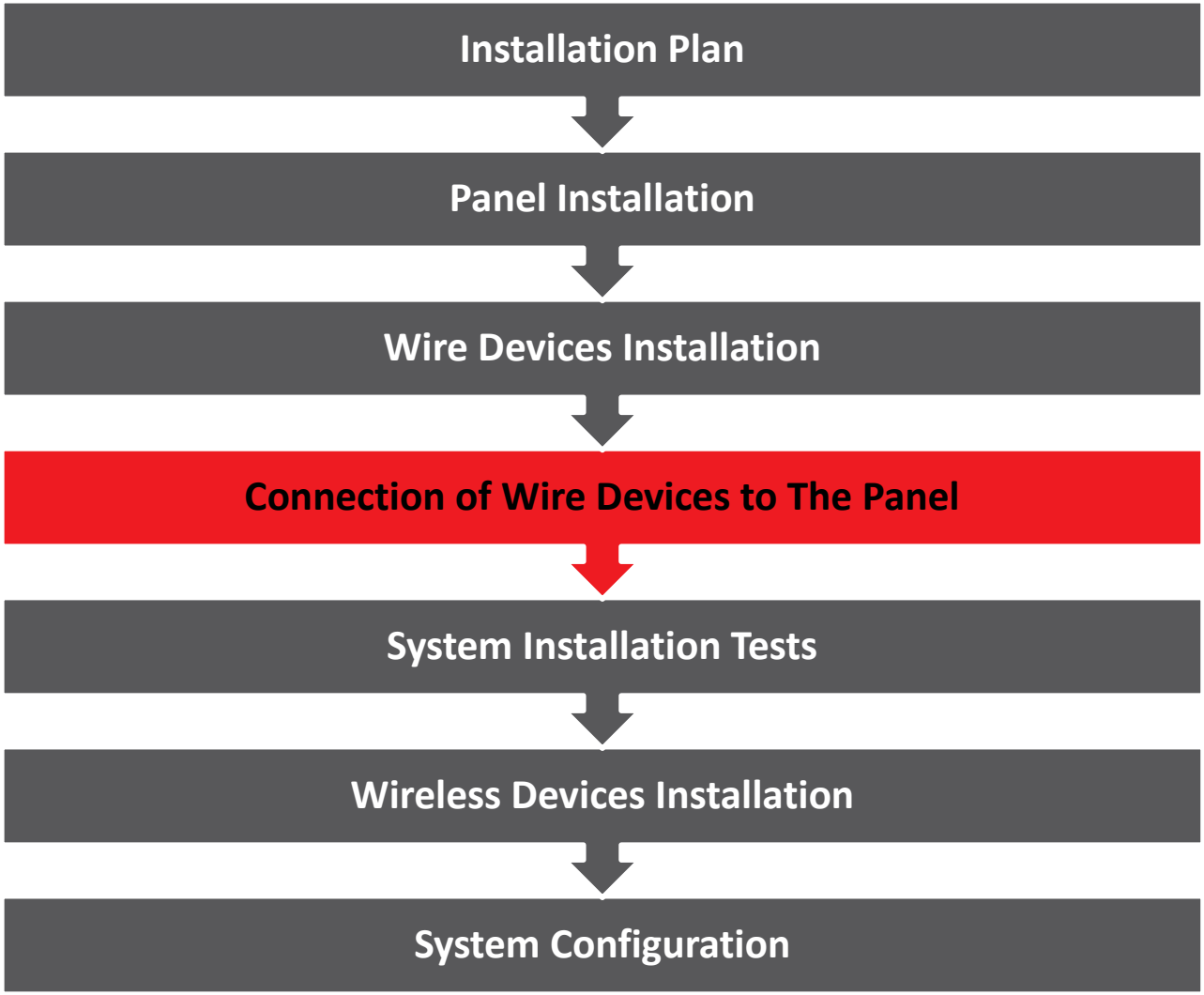
To reset BUS Zones IDs across multiple BUS Lines, the installer has to connect additional Bus Zones to the **Bus Zone Expanders**

Wired Keypads		Zone Expansions		BUS Zones	
BUS Line #1	ID 1	BUS Line #1	ID 1	BUS Line #1	ID 1
BUS Line #2	ID 1	BUS Line #2	ID 1	BUS Line #2	ID 2
BUS Line #3	ID 1	BUS Line #3	ID 1	BUS Line #3	ID 3
BUS Line #3	ID 2	BUS Line #3	ID 2	BUS Line #3	ID 4

IDs Unique within Family

Bus device ID	DIP switches				
	1	2	3	4	5
01	OFF	OFF	OFF	OFF	OFF
02	ON	OFF	OFF	OFF	OFF
03	OFF	ON	OFF	OFF	OFF
04	ON	ON	OFF	OFF	OFF
05	OFF	OFF	ON	OFF	OFF
06	ON	OFF	ON	OFF	OFF
07	OFF	ON	ON	OFF	OFF
08	ON	ON	ON	OFF	OFF
09	OFF	OFF	OFF	ON	OFF
10	ON	OFF	OFF	ON	OFF
11	OFF	ON	OFF	ON	OFF
12	ON	ON	OFF	ON	OFF
13	OFF	OFF	ON	ON	OFF
14	ON	OFF	ON	ON	OFF
15	OFF	ON	ON	ON	OFF
16	ON	ON	ON	ON	OFF
17	OFF	OFF	OFF	OFF	ON
18	ON	OFF	OFF	OFF	ON
19	OFF	ON	OFF	OFF	ON
20	ON	ON	OFF	OFF	ON
21	OFF	OFF	ON	OFF	ON
22	ON	OFF	ON	OFF	ON
23	OFF	ON	ON	OFF	ON
24	ON	ON	ON	OFF	ON
25	OFF	OFF	OFF	ON	ON
26	ON	OFF	OFF	ON	ON
27	OFF	ON	OFF	ON	ON
28	ON	ON	OFF	ON	ON
29	OFF	OFF	ON	ON	ON
30	ON	OFF	ON	ON	ON
31	OFF	ON	ON	ON	ON
32	ON	ON	ON	ON	ON

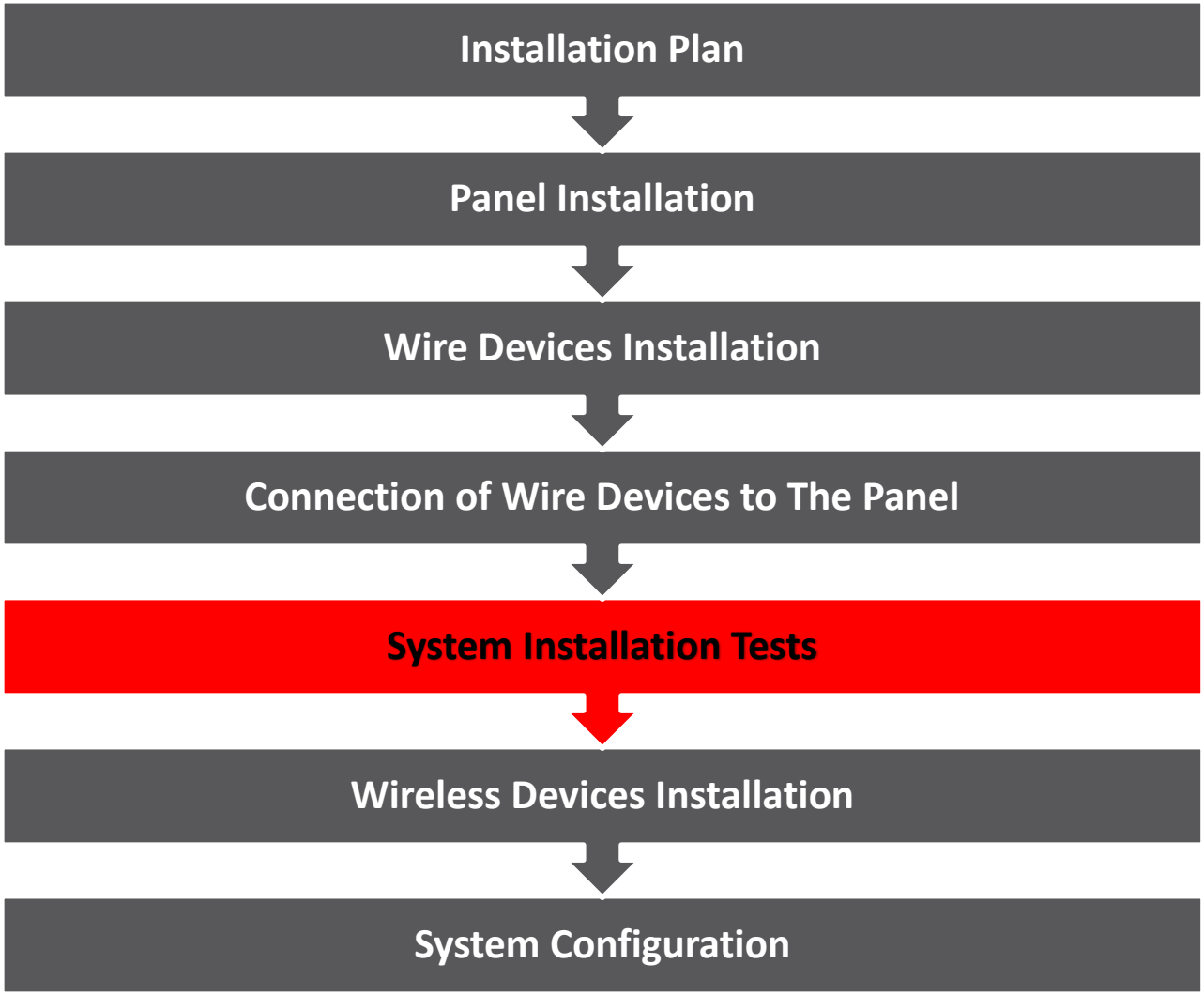
Installation Workflow



Connection of Wire Devices to The Panel

- ✓ Follow the Installation Plan when connecting the devices
- ✓ Verify wire devices are connected to the correct BUS Line
- ✓ Work organized and according to standards

Installation Workflow



System Installation Test

Powering-Up &
Initializing the System

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Auto-Setting Allocation

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Bus Test

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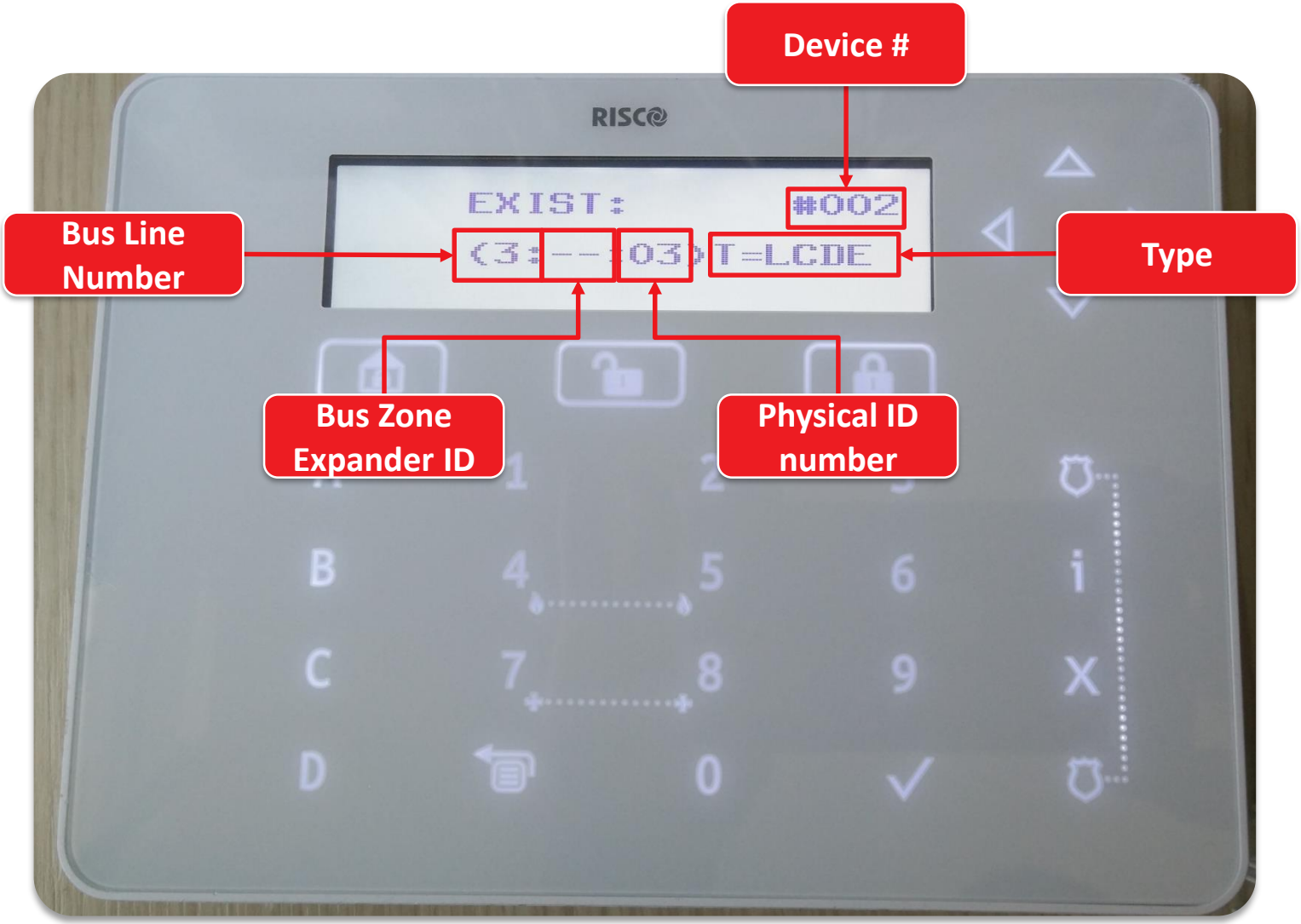
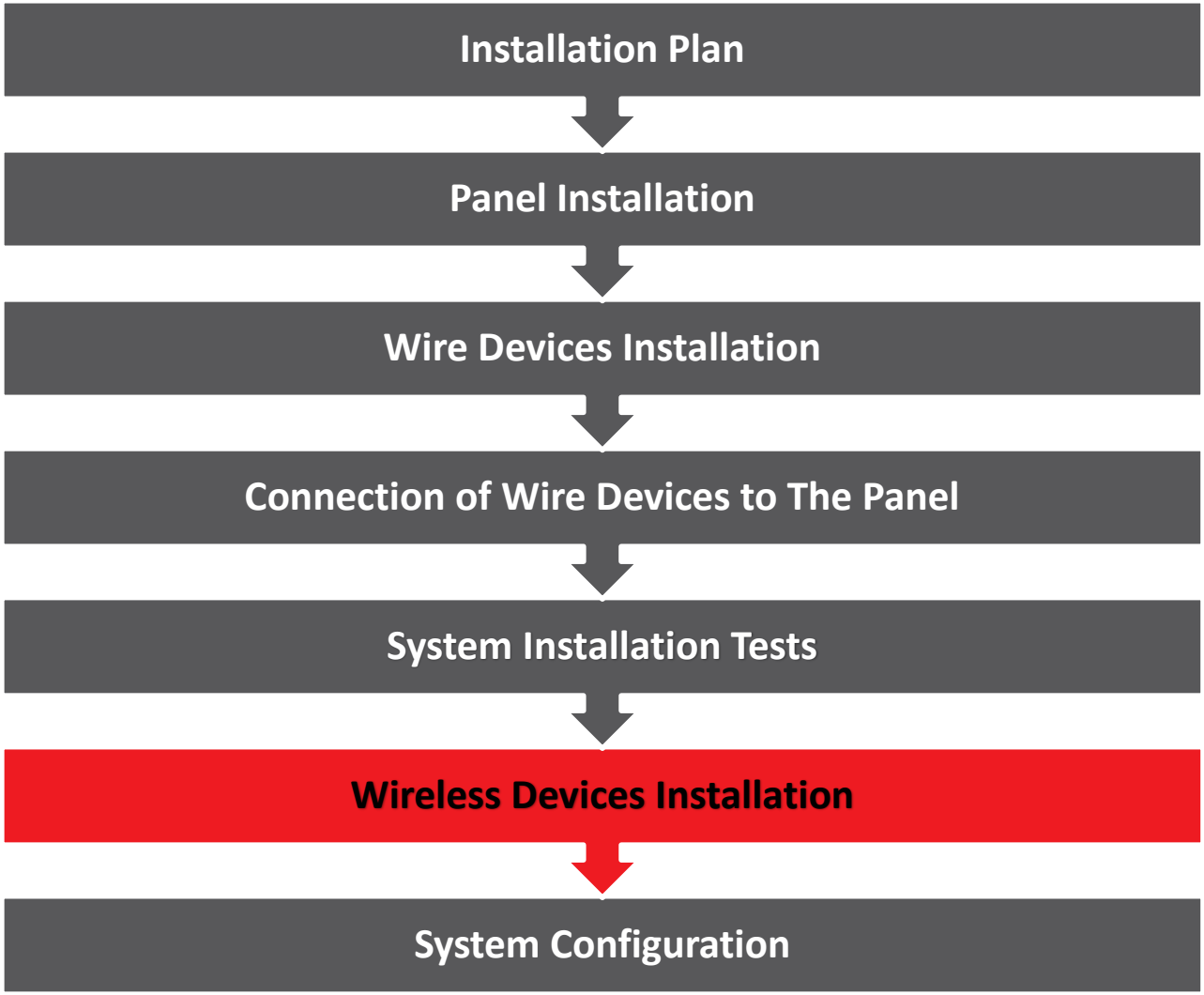
Viewing Zones & Enabling Partitions

DEMO

Auto-Setting Allocation | Results

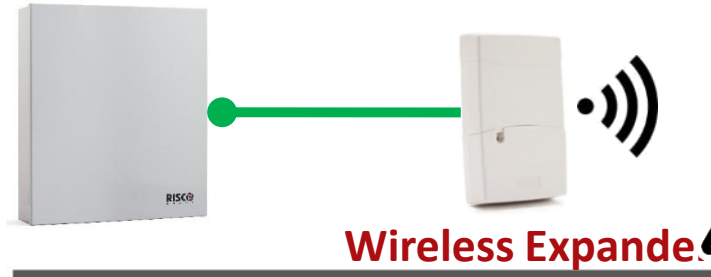


Installation Workflow



Wireless Devices Installation

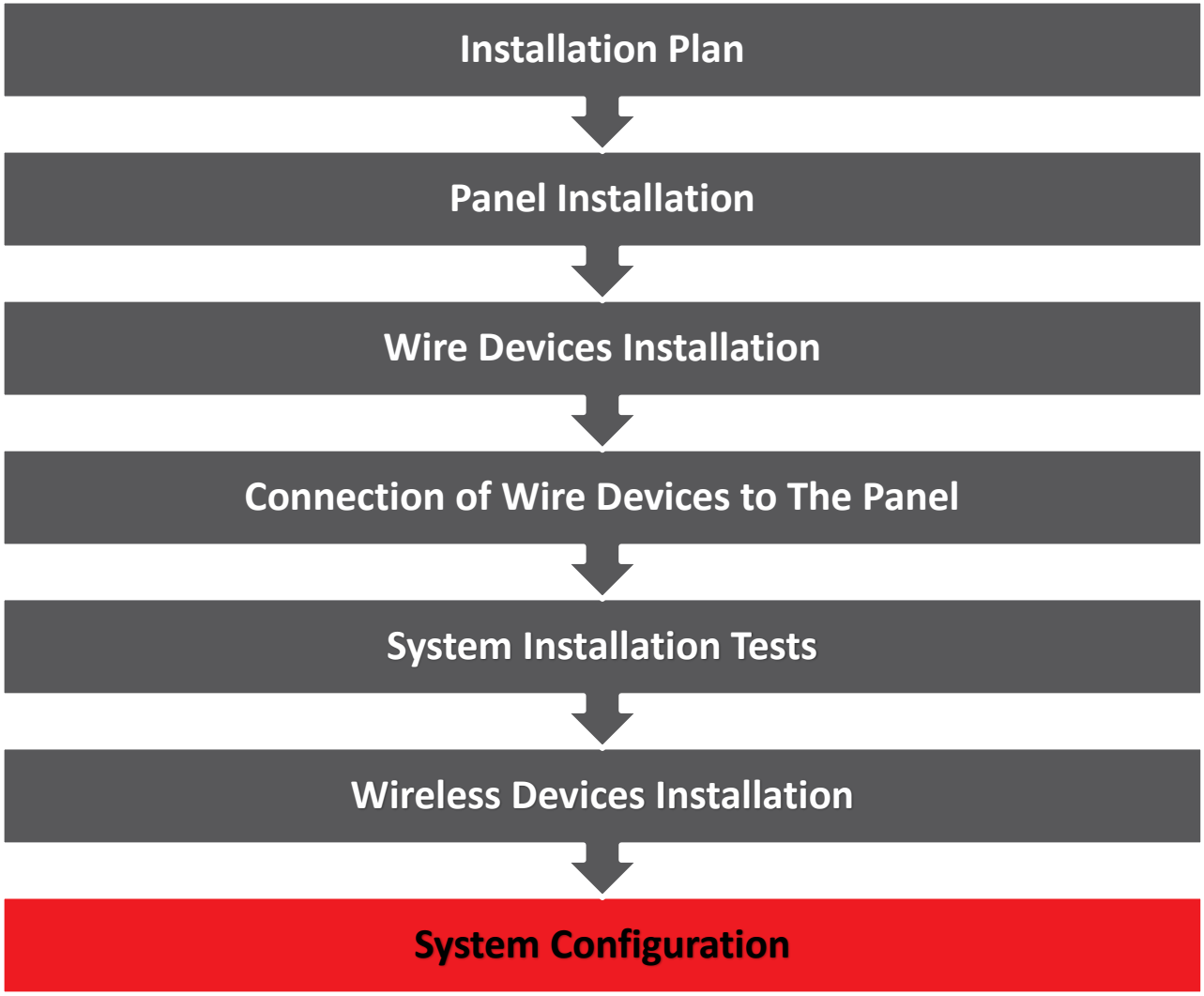
- Allocating wireless expander
- WL expander Receiver Calibration Test
- Wireless device enrolment to a zone
- Finding the Optimal Mounting Location of the WL Device
- Performing Communication Test
- Installing the device
- Performing Walk Test



The Receiver Calibration Test should be ≤ 40

The Communication Test results should be at least 10 levels higher than the Calibration result

Installation Workflow



System Configuration

Define Timers

Define Zone Parameters

Zone Label	Partition	Zone Type	Sound	Termination

Define Communication Parameters

Follow Me	Communication to Cloud	Communication to MS

Define End User Parameters

User Access Codes	Follow Me & Contacts Details

DEMO

Installer Programming Menu

1. System
2. Zones
3. Outputs
4. Codes
5. Communication
6. Audio
7. Install
8. Devices

0. Exit

Programming Menu

1. System
2. Zones
3. Outputs
4. Codes
5. Communication
6. Audio
7. Install
8. Devices

0. Exit

1. Timers
2. Controls
3. Labels
4. Sounds
5. Settings
6. Automatic Clock
7. Service Info.
8. Firmware Update

Programming Menu

1. System
2. Zones
   - 1. Parameters
   - 2. Testing
   - 3. Cross Zones
   - 4. Alarm Confirm
3. Outputs
4. Codes
5. Communication
6. Audio
7. Install
8. Devices

0. Exit

Programming Menu

1. System
2. Zones
3. Outputs
4. Codes
5. Communication
6. Audio
7. Install
8. Devices

0. Exit

- 3. Outputs
  - 1. Follow System
  - 2. Follow Partition
  - 3. Follow Zone
  - 4. Follow Code

Programming Menu

1. System
2. Zones
3. Outputs
4. Codes
   - 1. User
5. Communication
6. Audio
7. Install
8. Devices

0. Exit

Programming Menu

1. System
2. Zones
3. Outputs
4. Codes
5. Communication
6. Audio
7. Install
8. Devices

0. Exit

1. Method
2. Monitoring Station
3. Configuration Soft.
4. Follow Me

Programming Menu

1. System
2. Zones
3. Outputs
4. Codes
5. Communication
6. Audio
   - 1. Messages
   - 2. Local Announce
7. Install
8. Devices

0. Exit

Programming Menu

1. System
2. Zones
3. Outputs
4. Codes
5. Communication
6. Audio
7. Install
   - 1. Bus Device
   - 2. Wireless Device
8. Devices

0. Exit

Programming Menu

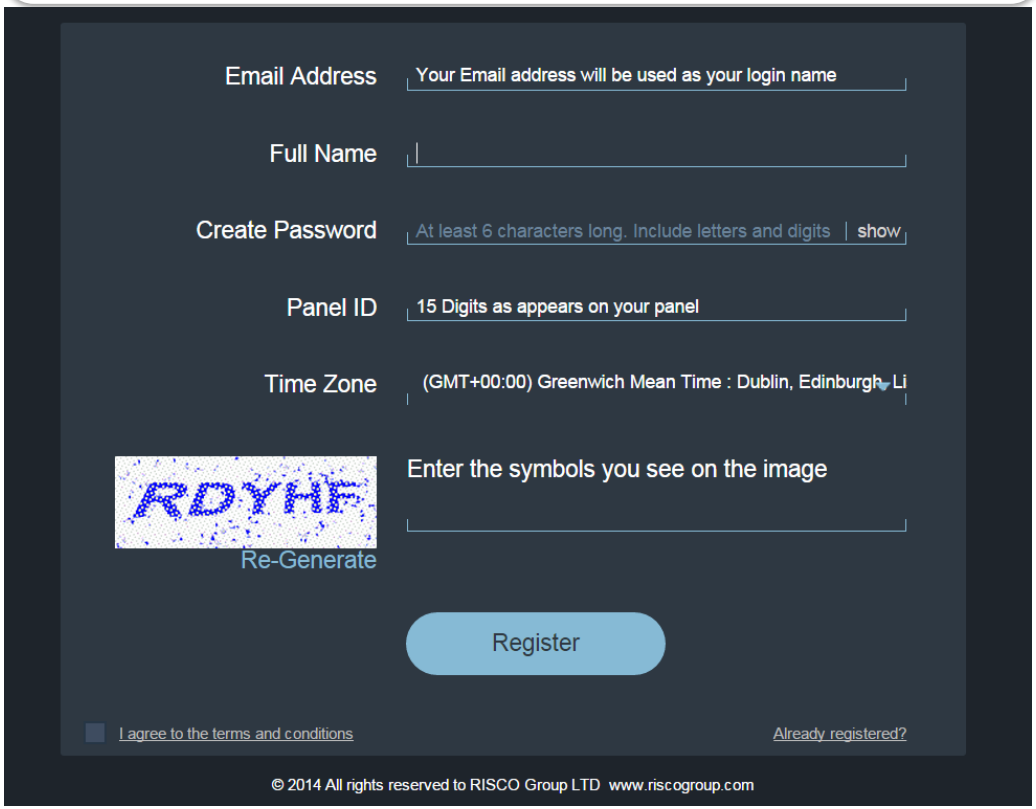
1. System
2. Zones
3. Outputs
4. Codes
5. Communication
6. Audio
7. Install
8. Devices
   - 1. Keypad
   - 2. Keyfob
   - 3. Sounder
   - 4. Proximity Reader
   - 5. Power Supply
0. Exit

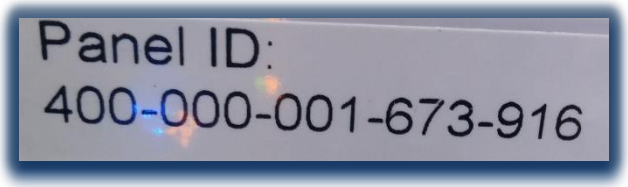
Agenda

- ✓ Installation Prerequisites
- ✓ Installation Workflow
- ✓ System Registration

RISCO Cloud - System Registration

www.riscocloud.com/ELAS/WebUI





Summary

Installation Plan

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Panel Installation

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Wire Devices Installation

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Connection of Wire Devices to The Panel

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System Installation Tests

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Wireless Devices Installation

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System Configuration

Any Questions?

Thank You

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