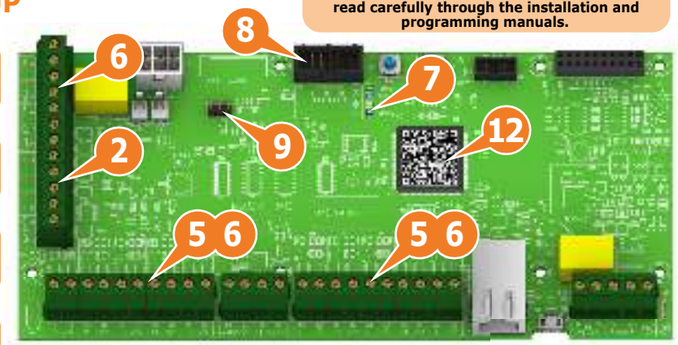
# QUICK GUIDE TO FIRST POWER UP

1. Mount the control panel to the wall
2. Connect the peripherals to the BUS.
3. Connect the BUS wires to the control panel.
4. Complete the wiring and balancing of the system detectors
5. Connect the detectors to the terminals
6. Connect the outputs to the control panel and peripheral terminals
7. Connect the control panel to the Internet
8. Insert the Smart-Logos30M to the motherboard (PCB)
9. Insert the maintenance jumper in the "SERV" position
10. Connect the primary power source (230V) (230V~ ±10%, 50/60Hz)
11. Connect the buffer battery and the thermal probe
12. Activate the control panel
13. Select the language
14. Set the addresses of the peripherals
15. Auto-enrolling peripherals
16. Acquire automatically the zone balancing via the installer menu
17. Specify the expansion terminals simulated by the Air2-BS200 as "Wireless" terminals
18. Insert the maintenance jumper in the "RUN" position

**Attention!**
**Before starting the installation procedure, read carefully through the installation and programming manuals.**



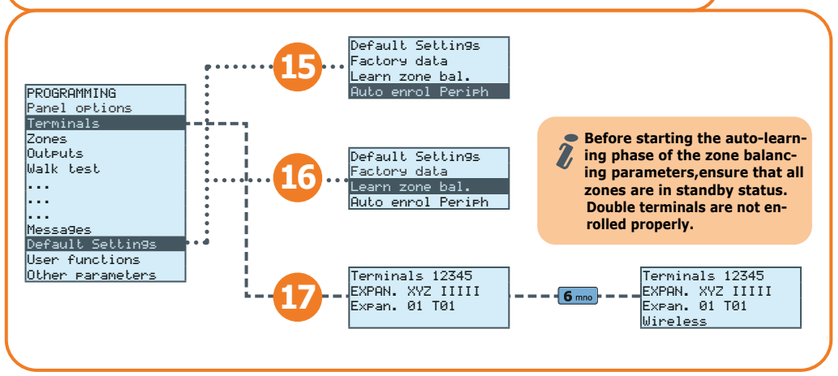

| Terminal | icon/identifier | Function |
|---|---|---|
| 1-2-3 | NO NC COM | Voltage-free contacts of the relay output |
| 4 | +OC | 13.8V⎓ 350mA ancillary power supply |
| 5-6 | OC1 OC2 | Open-collector outputs |
| 7-8-9-10 | + D S - | I-BUS connection |
| 11-23 | AUX1 AUX2 | 13.8V output terminals⎓ |
| 25 | AUX3 | 13.8V⎓ ancillary power supply |
| 12-14-16-18-20-22-24-26-28-30-32-34-36 | ⏚ | Power supply negative (earth or GND) |
| 13-15-17-19-21-27-29-31-33-35 | T1-T2-T3-T4-T5-T6-T7-T8-T9-T10 | Control panel input/output terminals |
| 37-38 | ☎ | Internal telephone-line connection |
| 39-40 | PSTN | Land-line connection (PSTN) |
| / | ⏚ | Earth connection |

| Expansions and transceivers address | Red | Blue | Green | Yellow | nBy/S Air2-BS200 | nBy/K nBy/X |
|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 1 | ○○○● | ⊕ |
| 2 | 0 | 0 | 1 | 0 | ○○●○ | ⊕ |
| 3 | 0 | 0 | 1 | 1 | ○○●● | ⊕ |
| 4 | 0 | 1 | 0 | 0 | ○●○○ | ⊕ |
| 5 | 0 | 1 | 0 | 1 | ○●○● | ⊕ |
| 6 | 0 | 1 | 1 | 0 | ○●●○ | ⊕ |
| 7 | 0 | 1 | 1 | 1 | ○●●● | ⊕ |
| 8 | 1 | 0 | 0 | 0 | ●○○○ | ⊕ |
| 9 | 1 | 0 | 0 | 1 | ●○○● | ⊕ |
| 10 | 1 | 0 | 1 | 0 | ●○●○ | ⊕ |
| 11 | 1 | 0 | 1 | 1 | ●○●● | ⊕ |
| 12 | 1 | 1 | 0 | 0 | ●●○○ | ⊕ |
| 13 | 1 | 1 | 0 | 1 | ●●○● | ⊕ |
| 14 | 1 | 1 | 1 | 0 | ●●●○ | ⊕ |
| 15 | 1 | 1 | 1 | 1 | ●●●● | ● |
| 16 | 0 | 0 | 0 | L | ○○○⦸ | ⊕ |
| 17 | 0 | 0 | L | 0 | ○○⦸○ | ⊕ |
| 18 | 0 | 0 | L | L | ○○⦸⦸ | ⊕ |
| 19 | 0 | L | 0 | 0 | ○⦸○○ | ⊕ |
| 20 | 0 | L | 0 | L | ○⦸○⦸ | ⊕ |
| 21 | 0 | L | L | 0 | ○⦸⦸○ | ⊕ |
| 22 | 0 | L | L | L | ○⦸⦸⦸ | ⊕ |
| 23 | L | 0 | 0 | 0 | ⦸○○○ | ⊕ |
| 24 | L | 0 | 0 | L | ⦸○○⦸ | ⊕ |
| 25 | L | 0 | L | 0 | ⦸○⦸○ | ⊕ |
| 26 | L | 0 | L | L | ⦸○⦸⦸ | ⊕ |
| 27 | L | L | 0 | 0 | ⦸⦸○○ | ⊕ |
| 28 | L | L | 0 | L | ⦸⦸○⦸ | ⊕ |
| 29 | L | L | L | 0 | ⦸⦸⦸○ | ⊕ |
| 30 | L | L | L | L | ⦸⦸⦸⦸ | ⊕ |

**12 Peripheral device addressing**

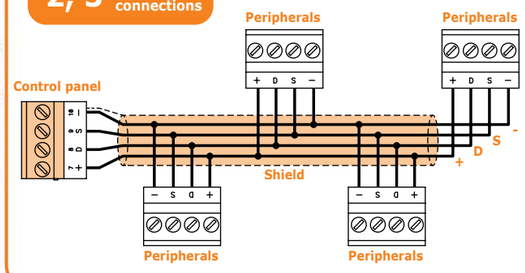

**During the addressing phase, do not exceed the maximum number of addresses available for the control panel model you are installing.**
**For the readers addressing, use keypad "1".**

| | | |
|---|---|---|
| LED Off | 0 | ○ |
| LED On | 1 | ● |
| Flashing LED | L | ⦸ |

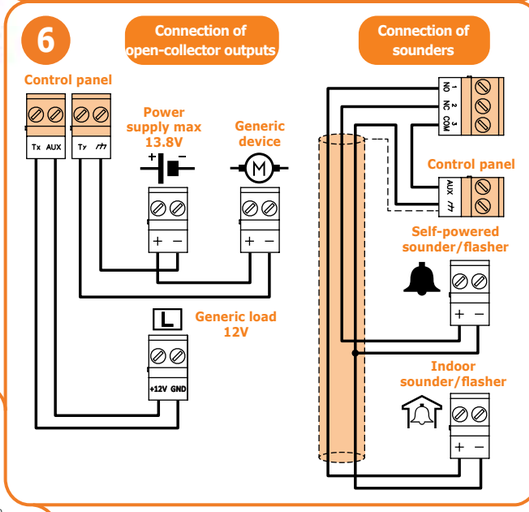


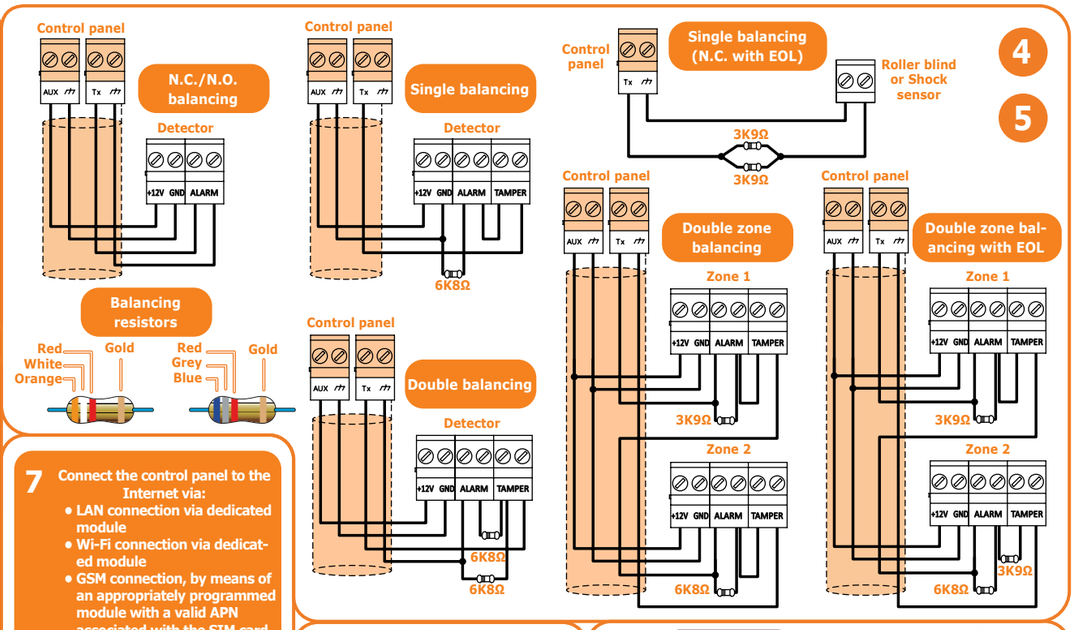

**Before starting the auto-learning phase of the zone balancing parameters,ensure that all zones are in standby status. Double terminals are not enrolled properly.**

## 2, 3 I-BUS connections



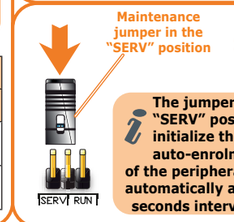

## 6



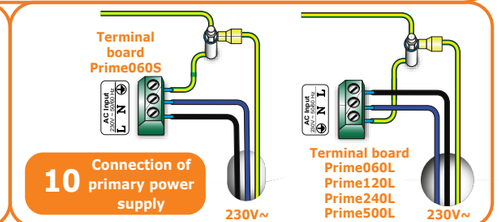

**7 Connect the control panel to the Internet via:**
- **LAN connection via dedicated module**
- **Wi-Fi connection via dedicated module**
- **GSM connection, by means of an appropriately programmed module with a valid APN associated with the SIM card in use**

| Blue CLOUD LED | | Cloud connection | |
|---|---|---|---|
| | | OK | NO |
| Access point Wi-Fi | Enabled | fast blinking | slow blinking |
| | Disabled | ON | OFF |

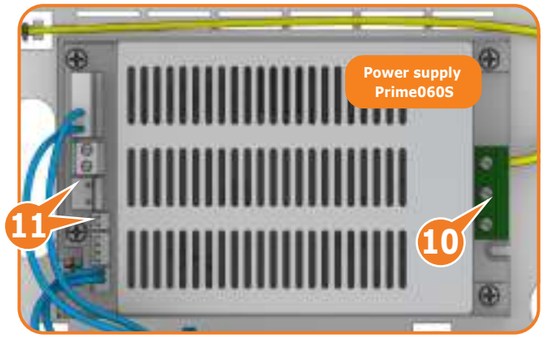


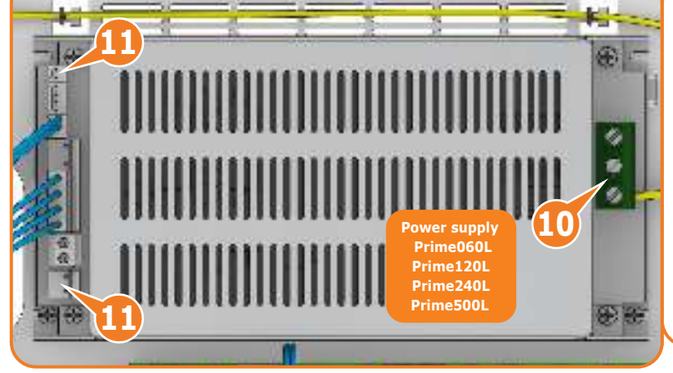

**9**

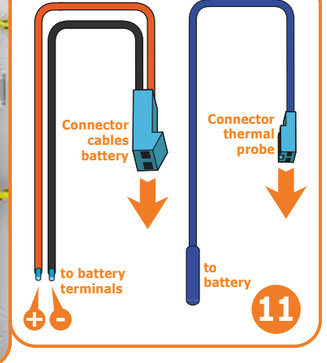
**The jumper in "SERV" position initializes the auto-enrolment of the peripherals automatically at 10 seconds intervals.**




**10 Connection of primary power supply**




**14, 17 Download manuals**

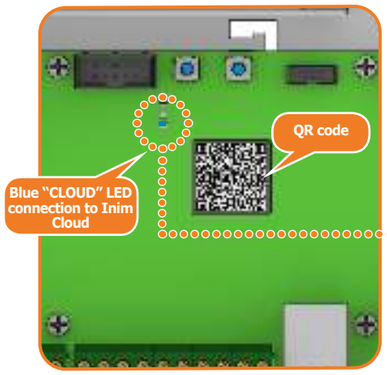
Installation
Programming
User
Air2-BS200
Air2-MC300
Alien/S
Aria/HG
Flex2R/2T
Flex5S
Flex5/R
Isopower
Ivy
nBy/K
nBy/X
nCode/G
Nexus

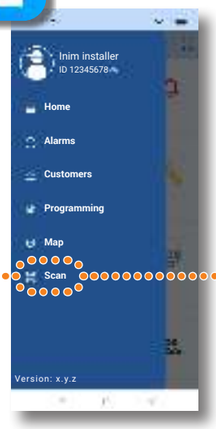
EN 50131-1
EN 50131-3
EN 50131-6
EN 50131-10
EN 50136-1
EN 50136-2
EN 50130-4
EN 50130-5
CEB T031

PRIME
Installation and programming guide

inim
Evolving Security

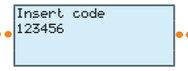
## 12 Activation of the control panel





Control panel not connected to Inim Cloud (blue LED blinking)


Control panel activated!

Control panel connected to Inim Cloud (blue LED on solid)

Download from Android store

InimTech Security

InimHome

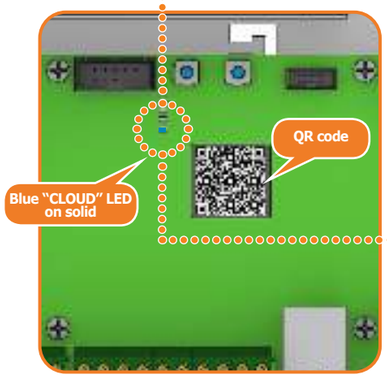
Download it from iOS store

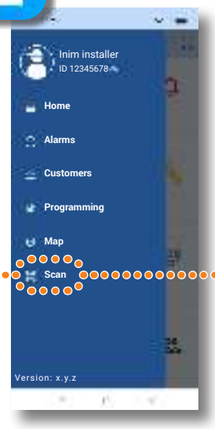
InimTech Security

InimHome

## Registration to the Inim Cloud service via InimTech Security InimHome Apps

Control panel connected to the Internet



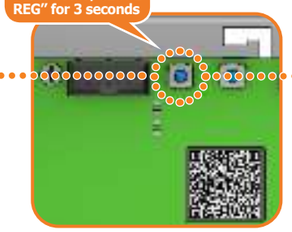





Confirm the control panel association with the Cloud account of the installer

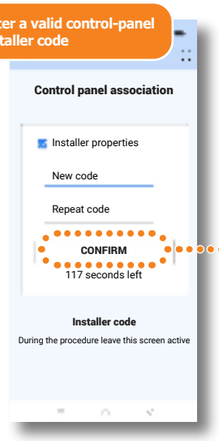
... 30 seconds...

Press and hold "SERV-FACT/CLOUD REG" for 3 seconds



Enter a valid control-panel installer code

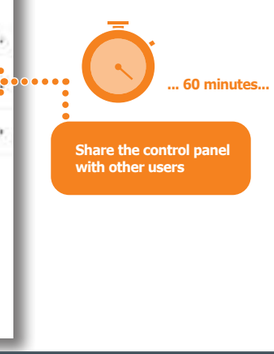
... 120 seconds...



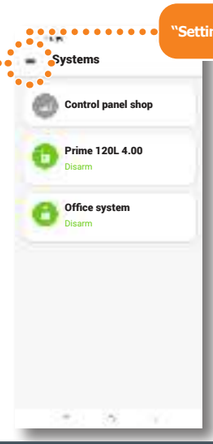

Control panel registered:
- the control panel is associated with the installer on the Cloud
- the control panel will be activated (available for programming)
- the installer receives a control panel message registered to their account

Share the control panel with other users

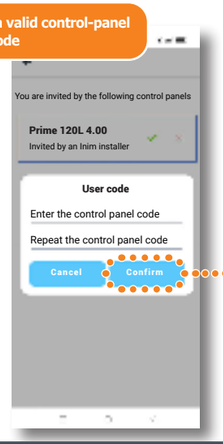
... 60 minutes...

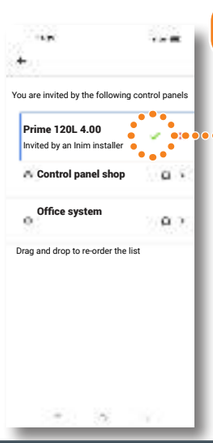



"Settings > Configuration"




Enter a valid control-panel user code



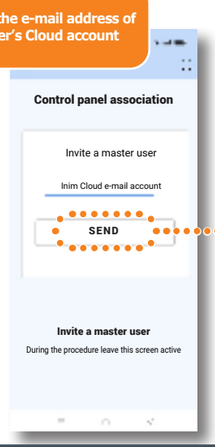



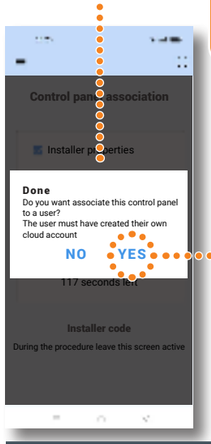

1

The user receives notification of the ongoing registration made by the installer.

... 60 minutes...

Enter the e-mail address of the user's Cloud account




## Warranty

Inim Electronics S.r.l. warrants that this product shall be free of defects in material and workmanship for a period of 24 months from the date of production.

In consideration of the fact that Inim Electronics does not install directly the products here indicated, and due to the possibility they may be used with other products not manufactured by Inim Electronics, Inim Electronics cannot guarantee the performance of the security installation. Seller obligation and liability under this warranty are expressly limited to repairing or replacing, at seller's option, any product not meeting its stated specifications. In no case can Inim Electronics be held responsible or liable by the buyer or any other person for any loss or damage, direct or indirect, consequential or incidental, including, without limitation, any damages for lost profits, stolen goods or claims by any other party caused by defective products or otherwise arising from the incorrect or otherwise improper installation or use of these products.

This warranty applies only to defects in parts and workmanship relating to normal use. It does not cover misuse or neglect, damage caused by fire, flood, wind, lightning, vandalism or wear and tear.

Inim Electronics shall, at its option, repair or replace any defective products. Improper use, that is, use for purposes other than those mentioned herein will void this warranty. For further details regarding this warranty contact the authorized dealer.

## Limited Warranty

Inim Electronics S.r.l. shall not be liable for any damage caused by improper use of this product.

The installation and use of the products indicated herein must be carried out by authorized persons only. Moreover, the installation procedure must be carried out in full respect of the instructions provided in this manual.

## Leading-edge systems (DM 37/08)

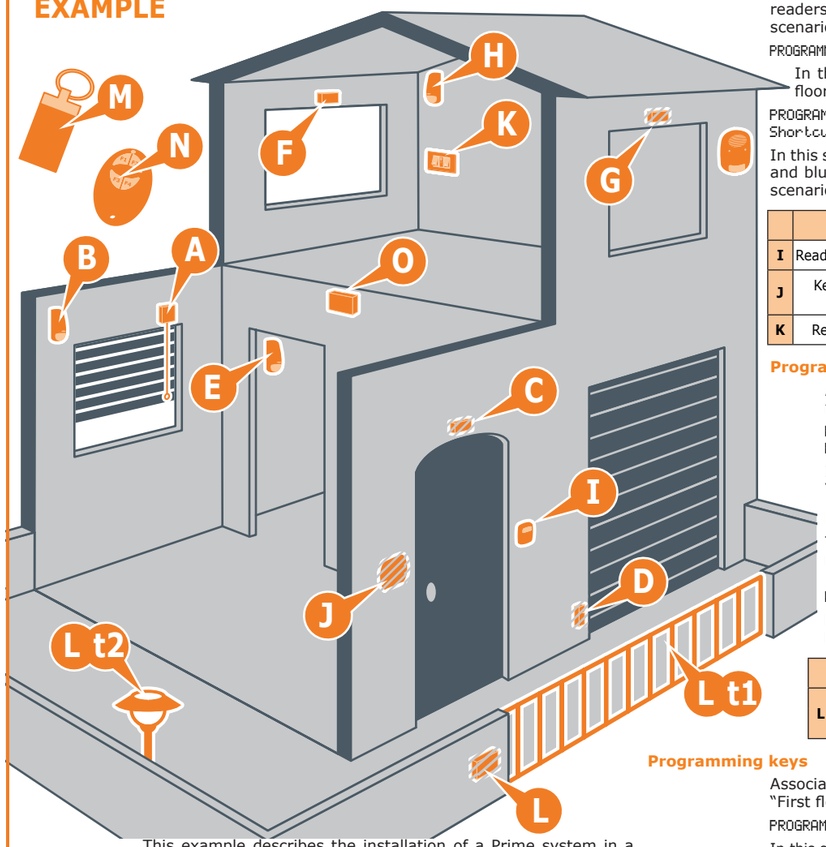
The devices described in this manual, depending on the settings selected during the installation phase and the implementation of the concepts illustrated in this guide, allow you to create an Intrusion Detection and Hold-up Alarm System (I & HAS) compliant with EN 50131-1:2006 + A1:2009 + A2:2017 + A3:2020 and EN 50131-5-3:2017, safety grade 2 (at highest) and an alarm transmission system (ATS) compliant with EN 50136-1:2012 + A1:2018 in category ATS6 (at highest SP6 or DP4).

The devices described are compliant with European standards EN 50131-3:2009 (in reference to control and indicating equipment – CIE), EN 50131-6:2017 (in reference to power supplies – PS), EN 50131-10:2014 and EN 50136-2:2013 (in reference to transceivers on supervised sites – SPT).

As a support to the design, planning, operation, installation, commissioning and maintenance of intrusion alarm systems installed in buildings, the following regulatory documents should be consulted: CEI 79-3 and CEI CLC/TS 50131-7.

Depending on the State where the components described are installed, certified compliance with local laws and regulations may be required.

# PROGRAMMING VIA KEYPAD EXAMPLE




This example describes the installation of a Prime system in a residential building. Ideally this procedure directly follows the instructions for the first startup of the system

## Start programming

Type-in Code (Installer), PROGRAMMING

## Programming partitions

Change the descriptions of the partitions:

- Partition 1 - "Ground floor"
- Partition 2 - "First floor"

PROGRAMMING Partitions, "Partition 00x", Description

## Programming zones

Program the zones (all connected to the control panel):

PROGRAMMING Terminals, select the terminal concerned

or

PROGRAMMING Zones, select the zone associated with the terminal concerned

| | Description | Partition | Zone type | Option | Balancing | Detector type |
|---|---|---|---|---|---|---|
| A | Roller blind detector | Ground floor | Instant | None | Normally closed | Roller blind |
| B | Motion detector | Ground floor | Delayed | Interior | Normally closed | Generic zone |
| C | Magnetic sensor | Ground floor | Delayed | None | Normally closed | Generic zone |
| D | Magnetic sensor | Ground floor | Instant | None | Normally closed | Generic zone |
| E | Motion detector | Ground floor | Instant | None | Normally closed | Generic zone |
| F | Motion detector | First floor | Instant | None | Normally closed | Generic zone |
| G | Motion detector | First floor | Instant | None | Normally closed | Generic zone |
| H | Motion detector | First floor | Instant | None | Normally closed | Generic zone |

## Programming scenarios

Add a third partial arming scenario (Stay mode) to the default scenarios (Scenario 1 "Away mode" and Scenario 2 "Disarm") of both partitions.

PROGRAMMING Arming scenarios, "SCENARIO 003", Partitions, "partition", Stay

## Programming readers

Associate the "Ground floor" and "First floor" partitions with the readers, and scenario 3 Stay mode (arm partially) to the default scenarios:

PROGRAMMING Readers, ChoosePeripheral, "READER 00x", Partitions

In this section you can enable the "Ground floor" and "First floor" partitions.

PROGRAMMING Readers, ChoosePeripheral, "READER 00x", Shortcut

In this section you can select the shortcut associated with the red and blue LEDs by first selecting the "Arm/disarm" type then the scenario to associate with the LED.

| | Description | Partitions | Red LED shortcut | Blue LED shortcut |
|---|---|---|---|---|
| I | Reader entrance door | Ground floor First floor | Default | Default |
| J | Keypad (built-in reader) | Ground floor First floor | Default | Execute "Scenario 3" arming mode |
| K | Reader bedroom | Ground floor First floor | Execute "Scenario 3" arming mode | Default |

## Programming keypad

Associate the keypad with the "Ground floor" and "First floor" partitions.

PROGRAMMING Keypads, ChoosePeripheral, KEYP. 001", Partitions

In this section you can enable the "Ground floor" and "First floor" partitions.

## Programming expansions

To program the devices connected to the expansion terminals:

PROGRAMMING Terminals, select the terminal concerned

Press the **2abc** button to configure the terminal as an output. Press **OK** to access the programming menu.

| | Terminal | Description | Type | Output options | Monostable time |
|---|---|---|---|---|---|
| L | 1 | Cancel | Output | Monostable | 30 seconds |
| | 2 | Garden lights | Output | Monostable Switch | 60 minutes |

## Programming keys

Associate the keys ([M] and [N]) with the "Ground floor" and "First floor" partitions:

PROGRAMMING Keys, Change key, "Key 00x", Partitions

In this section you can enable the "Ground floor" and "First floor" partitions.

Enroll the keys, using one of the proximity readers and/or a keypad.

PROGRAMMING Keys, Enroll, "Reader 00x", "Key 00x"

Hold the key in the vicinity of the reader and then move it away. The keypad you are working on will emit a beep to confirm that the key has been enrolled.

## Programming wireless keyfobs

Associate the shortcuts for the arm/disarm commands and control of expansion outputs to the keyfob command buttons [N]:

PROGRAMMING Keys, Change key, "Key 00x", Partitions

This section will allow you to associate the shortcuts that are not default shortcuts, specifically "Activate output" shortcuts. to buttons**F3** and **F4** then select the respective outputs on the expansion.

| | Button | Shortcut | Parameter | Default |
|---|---|---|---|---|
| N | F1 | Arm/Disarm | Scenario 1 "Away" | Yes |
| | F2 | Arm/Disarm | Scenario 2 "Disarm" | Yes |
| | F3 | Activate output | Cancel | No |
| | F4 | Activate output | Garden lights | No |

Enroll the wireless keyfob via the simulated reader of the transceiver ([O], identified on the keypad by the letter "W").

PROGRAMMING Keys, Enroll, "READER 00x W", "Key 00x"

At this point you have 3 minutes to enroll the wireless keyfob by pressing simultaneously buttons **F3** and **F4**.

The positive outcome of the operation will be signalled by 3 blinks on the green LED of the wireless keyfob and a long audible signal on the buzzer.

## Closing the programming session

Close the programming session after saving the modified data.

Press the **Esc** several times until the following message appears on the display:

EXIT? OK = YES

On pressing **OK** you will automatically exit the programming session, save the programmed data and reboot of the control panel.

# FIRST OPERATIONAL TEST

A procedure is provided for an operational test on the Prime system after installation. The test consists in the violation of a "Delayed" type zone.

This procedure must be carried out only after the complete installation of the Prime control panel and of all the components that make up the entire installation. To do this it is advisable to follow the instructions provided in the quick guide ti first power up.

1. Make sure all partitions are in stand-by status.

   This status is signalled on the blue LED on the keypad when is ON solid.
2. Enter the control panel programming phase and program the partition you intend to violate.

   Type in Code (Installer), PROGRAMMING Terminals, select the terminal concerned

   or

   Type-in Code (Installer), PROGRAMMING Zones, select the zone associated with the terminal concerned

   Once the section has been accessed, set the "Type" as "Delayed".
3. Set up the telephone dialer to provide voice signalling of violation.

   Type in Code (Installer), PROGRAMMING Telephone, Number selected,"NUMERO 001"

   Once in this section it is necessary to enter the number to call and set the "Type" as "Voice".
4. Exit the programming phase and carry out an Away Arming operation.

   If the default programming has not been changed, it can be carried out as follows:

   Activate the "Arm/Disarm" shortcut (shortcut no. 1) associated with the **F1** button shown on the display.
5. Wait until the "Exit Time" expires (30 seconds by default).

   The keypads will emit a series of pulses (3 pulses + 5-second pause, 4 short pulses + 5-second pause during the last 20 seconds of the exit time).
6. Violate the programmed zone.

## Test Entry time

7. Being a "Delayed" type zone, the "Entry Time" will begin (30 seconds by default).

   The keypads will emit a series of pulses (8 pulses + 5 second pause).

## Test alarm signalling

8. If the arming scenario is still active when the entry time expires, alarm signalling will trigger:
   - The visual and audible alarm signals will activate
   - The red LED on the keypad will blink rapidly

## Dialer Test

9. The control panel will carry out signalling by means of a voice call to the programmed number.
10. Perform a disarm partitions operation. This operation also stops any alarms.

    If the default programming has not been changed, it can be carried out as described below, following entry of the user code:

    Activate the shortcut associated with **F2** button shown on the display. The shortcut will carry out a "Disarm" operation.
11. Delete alarm memories.

    If the default programming has not been changed, it can be carried out as described below, following entry of the user code:

    Activate the "Delete memory" shortcut (shortcut no. 4) associated with the **F4** button shown on the display.
12. Performing all the phases described above on a regular basis without problems is sufficient to confirm proper functioning and correct basic programming of the control panel.

# DEFAULT PROGRAMMING

| | |
|---|---|
| **Keypads** | • keypad "1" enabled<br>• all keypads belong to partition 1<br>• 12 programmed shortcuts: Execute Arming Scenario 1 - Execute Arming Scenario 2 - Delete telephone calls - Delete memory - Zone activation menu (bypasses) - View alarm log - View faults - Time/date setting - Voice function menu - Intercom call - Thermostat menu - Keypad settings menu<br>• all thermostats enabled on all keypads |
| **nBy readers** | • belong to partition 1<br>• shortcut programmed on the red LED: Execute Arming Scenario 1 |
| **Partitions** | • entry time and exit time 30 seconds<br>• Autoreset memories on arming<br>• clear call queue on disarming |
| **Terminals** | • terminals on control panel: inputs<br>• terminals on expansion boards: inputs<br>• terminals on keypads: unused |
| **Zones** | • belong to partition 1<br>• have N.C. balancing (normally closed)<br>• zones T1 and T2 on the control panel are delayed; all other zones are instant<br>• unlimited alarm cycles (repetitive) |
| **Outputs** | • the output relay is monostable, normally closes, monostable time at 3 minutes<br>• the output relay is "Intrusion" type<br>• all other outputs are "generic"<br>• "AUX1" and "AUX2" outputs of the control panel are normally closed<br>• "AUX1" and "AUX2" outputs of all power-supply stations are normally closed |
| **Virtual terminals** | • all virtual terminals are input/output, "technological" and associated with partition 1 |
| **Expansions** | • all expansions have anti-tamper disabled |
| **Scenarios** | • scenario 1: Away arm partition 1<br>• scenario 2: Disarm partition 1 |
| **Codes** | • user code 1 belongs to all partitions<br>• all other codes do not belong to any partition<br>• only Code 1 is "Master" user<br>• enabled on all sections of the user menu<br>• 8 programmed shortcuts (F1-F4 keys): Clear call queue phone - Output 2 activation - Output 2 deactivation - View Zone status - View System status - Enable answerphone - Activate output scenario - Settings menu<br>• 6 programmed shortcuts (keys from 1 to 6): Listen-in – Execute arming scenario 1 – Execute arming scenario 2 – Stop alarms – Activate Output 2 – Deactivate Output 2<br>• voice guide enabled<br>• all terminals configured as "output" or "I/O" are associated with all codes |
| **Keys** | • belong to partition 1<br>• Maintenance option enabled |
| **Telephone** | • numbers 1 to 6 in the contacts list have the voice attribute (user)<br>• numbers 7 and 8 in the contacts list are for alarm receiving centres CONTACT-ID<br>• contact number 9 in the phone book has the voice attribute (for the installer)<br>• contact number 15 is for teleservice |
| **Zone alarm/tamper events** | • relay output activated<br>• "Other outputs / Sounder/flasher 1" activated<br>• on activation of the event, calls contact numbers 1 to 8<br>• on restoral of the event, calls contact numbers 7 to 8 |
| **Zone bypass events**<br>**Partition Arming/Disarming events**<br>**Partition Arming/Disarming events** | • calls to contact numbers 7 and 8 |
| **Emergency button (Panic) events** | • on activation of the event, calls contact numbers 1 to 8 |
| **Open-panel/Panel dislodgement events and tamper on peripheral events** | • relay output activated<br>• "Other outputs / Sounder/flasher 1" activated<br>• on activation of the event, calls contact numbers 1 to 8<br>• on restoral of the event, calls contact numbers 7 to 8 |
| **Blown fuse, A.C. mains failure, peripheral loss and low battery events** | • activated Output 1<br>• calls to contact number 9 (voice call to installer) |
| **Sounders/ Flashers** | • causes shutdown on the sounder and the flasher: Reset memories on partition (Partition 1) |
| **Cloud** | • both the LAN network and the GSM communicator are enabled for connection |
| **Wi-Fi** | • the Wi-Fi card is enabled to function as an "Access point" |
| **Timer** | • all system timers are enabled to function as "ordinary" and not as "astronomical" |

# TECHNICAL FEATURES

## Control panels - electrical and mechanical features

| Control panel models | | Prime060S | Prime060L | Prime120L | Prime240L | Prime500L |
|---|---|---|---|---|---|---|
| Voltage | power supply | 230V ~ -15% +10% 50/60Hz | | | | |
| | nominal output | 13.8V⎓ | | | | |
| | output range | from 9 to 13.8V⎓ | | | | |
| Current absorption | maximum | 0.5A | | 1.1A | | |
| | of the control panel motherboard | 180mA @ 13.8V | | | | |
| Fault voltage on power outputs | | 9.8V | | | | |
| Protection tripping voltage | from deep discharge | 9.5V | | | | |
| | from overload | 15.4V | | | | |
| Maximum power-supply voltage ripple | | 550mV | | 200mV | | |
| PS type | | A | | | | |
| Maximum voltage on I-BUS | | 4A | | | | |
| Type of alarm notification (EN 50131-1, par. 8.6) | | D | | | | |
| IP Protection grade | | 30 | | | | |
| Enclosure Dimensions (W x H x D) | | 27.5 x 37.4 x 8.6 cm | | 37.5 x 46.6 x 9.2 cm | | |
| Weight (without battery) | | 3.2Kg | | 5Kg | | |
| Security grade | EN50131-3 | 3 | | | | |
| | EN50131-6 | 3 | | | | |

## Control panels - main features

| Control panel models | Prime060S | Prime060L | Prime120L | Prime240L | Prime500L |
|---|---|---|---|---|---|
| Partitions | 10 | | 20 | 30 | |
| Total zones | 120 | | 240 | 480 | 1000 |
| Keypads | 30 | | | | |
| Voice memo slots | 10 | | | | |
| Expansions | 100 | | | | |
| Readers | 60 | | | | |
| Sounder/flashers | 10 | | | | |
| Wireless transceiver | 20 | | 30 | | |
| Digital keys and wireless command devices | 150 | | | | 500 |
| Possible key combinations | 4294967296 | | | | |
| Isolators | 16 | | | | |
| GSM, GPRS, UMTS, HSPA and LTE communicator | 1 | | | | |
| Temperature probes | 15 | | | | |
| Home-automation modules | 30 | | | | |
| Wi-Fi boards | 1 | | | | |
| Codes | 50 | | 100 | | 500 |
| Scenarios | 50 | | | | |
| Timers | 40 | | | | |
| Recordable Events | 4000 | | | | |
| Programmable events | 60 | | | | |

## Number of terminals

| Control panel models | | Prime060S | Prime060L | Prime120L | Prime240L | Prime500L |
|---|---|---|---|---|---|---|
| Terminals on panel | total | 10 | | | | |
| | configurable as inputs | 10 | | | | |
| | configurable as rollerblind/shock | 10 | | | | |
| | configurable as outputs | 10 | | | | |
| Wireless terminals | | 60 | | 120 | 195 | 195 |
| terminals on keypads | | 20 | | 30 | | 60 |
| terminals on expansion boards | total | 500 | | | | |
| | available | 60 | | 120 | 240 | 500 |
| Virtual terminals | | 15 | | | | |
| Total terminals | | 60 | | 120 | 240 | 500 |
| Outputs on control-panel motherboard | total | 15 | | | | |
| | terminals (T1, ..., T10) | 10 | | | | |
| | relay | 1 | | | | |
| | open collector (OC1, OC2) | 2 | | | | |
| | Auxiliary outputs (AUX1, AUX2) | 2 | | | | |

## Type SD and distribution of the currents

| Control panel models | | | Prime060S | Prime060L | | Prime120L | | Prime240L | | Prime500L | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SD type (backup battery) | rated voltage | | 12V | | | | | | | | |
| | maximum capacity | | 7Ah | 9Ah | 17Ah | 18Ah | 17Ah | 18Ah | 17Ah | 18Ah | 17Ah | 18Ah |
| | maximum recharge time | | 24h (80% charged) | | | | | | | | | |
| | maximum internal resistance (Ri max) | | 1.50Ohm | | 0.50Ohm | | | | | | | |
| | low battery voltage | | 11V | | | | | | | | | |
| | battery recovery voltage | | 12V | | | | | | | | | |
| Maximum deliverable current @ 12V | total | | 3.2A | | 6.2A | | | | | | | |
| | for external loads | autonomy 30h | 50mA | 120mA | 380mA | 420mA | 380mA | 420mA | 380mA | 420mA | 380mA | 420mA |
| | | autonomy 12h | 400mA | 570mA | 1230mA | 1320mA | 1230mA | 1320mA | 1230mA | 1320mA | 1230mA | 1320mA |
| | | autonomy 4h | 1570mA | 2070mA | 4070mA | 4320mA | 4070mA | 4320mA | 4070mA | 4320mA | 4070mA | 4320mA |
| Max. current available on each +AUX terminal | | | 1500mA | | | | | | | | | |
| Maximum deliverable current to open-collector outputs | T1, .., T10 | | 250mA | | | | | | | | | |
| | OC1, OC2 | | 500mA | | | | | | | | | |

## EN IEC 62368-1

| | | |
|---|---|---|
| Isolation class | I | |
| Terminal type | AC input | ES3, PS3 |
| | BAT-, BAT+ | ES1, PS2 |
| | + D S - | ES1, PS2 |
| | AUXn, +12V | ES1, PS2 |
| | NO NC COM | ES1, PS2 |
| | Tn, OCn | ES1, PS1 |
| | OUTn (Flex5/R, Flex2R/2T) | ES3, PS3 |
| | Cn, NOn, NCn (AUXREL32) | ES1, PS2 |
| | , PSTN | ES2, PS1 |
| | RS232 | ES1, PS1 |
| | Ethernet (PrimeLAN) | ES1, PS1 |
| | USB | ES1, PS1 |
| | ANT (Nexus, PrimeWiFi) | ES1, PS1 |

## Directive 2014/53/EU

Hereby, INIM Electronics s.r.l., declares that the following devices are in compliance with the essential requirements and other relevant provisions of Directive 2014/53/UE:

Prime 500L, Prime 240L, Prime120L, Prime060L, Prime060S

All the devices mentioned here above can be used in all EU countries without restrictions.

## Processing of personal data

Prime control panels, by attributing them to installers and users registered with the Inim Cloud service, can be managed through dedicated web pages and/or apps available to both the installer and the end user.

In order to allow management of the control panel via Inim Cloud an explicit request is required from the users to whom the control panel is to be associated.

As soon as a control panel is connected to a LAN or a GSM/LTE network, it will be available on the Inim Cloud, however, until the association is explicitly requested by a user the data exchanged are:

- purely technical (in order to allow an association to a user in the future) and do not include any personal data
- always encrypted
- free from any correlation with personal data that may already be present in the Inim Cloud

The control panel events log becomes available only after associating the control panel with the users and can be viewed chronologically from the moment of such an association.

If you do not want to manage the control panel via Inim Cloud and/or do not want to allow any type of connection to Inim Cloud in advance, simply disable the connection with the service via programming.

## Documents for the users

Declarations of Performance, Declarations of Conformity and Certificates concerning to INIM Electronics S.r.l. products may be downloaded free of charge from the web address www.inim.biz, getting access to Extended Access and then selecting "Certifications" or requested to the e-mail address info@inim.biz or requested by ordinary mail to the address shown in this manual.

Manuals may be downloaded free of charge from the web address www.inim.biz, getting access to Extended Access and then selecting "Manuals".

## Copyright



## WEEE

**Pursuant to art. 26 of the Legislative Decree 14 March 2014, n. 49 "Implementation of Directive 2012/19/EU on waste electrical and electronic equipment"**

The crossed-out bin symbol on the equipment or on its packaging indicates that the product must be disposed of correctly at the end of its working life and should never be disposed of together with general household waste.

The user, therefore, must take the equipment that has reached the end of its working life to the appropriate civic amenities site designated to the differentiated collection of electrical and electronic waste.

As an alternative to the autonomous-management of electrical and electronic waste, you can hand over the equipment you wish to dispose of to a dealer when purchasing new equipment of the same type.

You are also entitled to convey for disposal small electronic waste

products with dimensions of less than 25cm to the premises of electronic retail outlets with sales areas of at least 400m2, free of charge and without any obligation to buy.

Appropriate differentiated waste collection for the subsequent recycling of the discarded equipment, its treatment and its environmentally compatible disposal helps to avoid possible negative effects on the environment and on health and favours the re-use and/or recycling of the materials it is made of.

Inim Electronics S.r.l.

ISO 9001 Quality Management certified by BSI with certificate number FM530352

Centobuchi, via Dei Lavoratori 10
63076, Monteprandone (AP), Italy
Tel. +39 0735 705007
Fax +39 0735 704912

info@inim.biz _www.inim.biz

Evolving Security