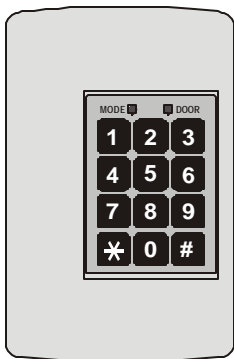


# ***ROSSLARE***

## **Single Door Access Control Programmer**



# AC-015

**InteliDoor**   
Smart Access Control

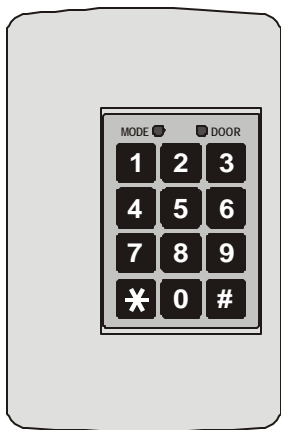
03/02



# ***ROSSLARE***

## **AC-015 Single Door Access Control Programmer**

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## Introduction

---

The AC-015 Programmer is a controller that allows you to add or delete employees from the system, change system mode status and change system authorization codes.

The AC-015 provides a higher level of security as the programmer is normally placed in a secure location while the reader sensor is remotely located outside the premises to be controlled. Should the remote sensor be attacked, entry cannot be gained as the remote sensor only provides data to the programmer, not authorization to release the controlled door.

The System may be connected with the optional PC monitor program for easier management of employees database or for online monitoring of door access. The system is linked to a PC via RS-232 serial link. The PC receives information from the AC-015, which is displayed and saved to a database.

Codes entries and their consequences are visible in Online Mode of the SW. Employees' menu is used to describe, enter and associate employee code numbers with employee name and details.

Programming menu is used to define door details, working days and holiday definitions. Reports menu specifies which kind of report to build. Options menu is used for communication setup, language setup, operator's password and database status. For more details refer to the AC-015 Monitor Program Manual. The AC-015 accepts up to 500 employees via the use of proximity cards (provided separately) or PIN codes into the system. Each employee is issued a unique proximity card or PIN code.

Employees designated 01 to 10 are Master Users and can operate the system in both the Normal and Secure modes of operation. Employees 11 to 500, when entered from the external reader sensor, may only operate the system in both the Normal and Bypass modes of operation.

It is very important to keep an accurate record of the slot number and its assignment to each employee. This is to enable you to add additional employees at a later time or delete a Prox. or PIN code if one is lost or stolen. A record form is enclosed for your reference to assist you with your record keeping.

The AC-015 is capable of learning both PIN codes (keyboard based codes - 4 digit codes) and Proximity codes (received from proximity card reader). The system can be connected to up to two reader sensors. An external reader is to be located outside the restricted area, and it is always required. The second reader is for internal installation. Readers need to be Wiegand 26 bits interface type, and may be a Proximity card reader (for Prox. codes), Keyboard (for PIN type codes) or combined PIN/PROX reader.

For more information please refer to *Accessories* – page 59.

A PIN reader, connected to indoor reader input, can perform all the operations usually performed from the on-board keyboard (depending on the PIN reader model). A PIN reader connected to an external reader input will behave similarly, but access level is different on certain AC-015 status of operation.

**Topics in this section:**

- Key Features
- Technical Specifications

---

## Key Features

---

**Here are some of the AC-015 system key features:**

- RS-232 PC Interface
- Multi-language PC software
- Supports up to 500 employees
- Realtime System Monitoring
- Supports two 26-Bit Wiegand compatible Readers
- Three Modes of Operation
  - Normal Mode
  - Bypass Mode
  - Secure Mode
- Lock Strike Relay Output
- Request to Exit (REX) button
- Door Monitor
- Forced Door and Door Ajar detection
- Internal Siren
- Comes with security screw and security tool
- Two Status / Programming Interface LED's
- Built-in Programming Keypad
- Battery Charger
- Built-in Case Tamper
- Bell, Chime, & Strobe annunciator
- Programmable Lock Strike release time.
- Built-in Lock Strike suppressor diode.
- Comes with mounting template for easier installation.

- Built-in Reader Power Supply
- Built-in Lock Strike Power Supply

---

## Technical Specifications

---

### Electrical Characteristics

#### Main Unit

**Operating Voltage:** 16V AC (1.5A, 25VA)  
From a transformer

**Maximum Input Current:** (Not including attached devices)

Standby: 65mA

Maximum: 120mA

**Battery Charger:** 12V DC Lead Acid Battery

Up to 7AH

recommended

#### Outputs

**Lock Strike Relay Output:** 5A Relay

**Lock Strike Power Supply:** 12V DC constant voltage

1.2 A current limit

N.O. or N.C. option

**Tamper Relay Output:** 1A Relay N.C. Dry Contact

**Reader Power Supply:** Voltage: 12V DC  
Max Current: 300mA

### Inputs

**Release to Exit (REX):** N.O. Dry Contact

**Two Reader Inputs:** 26-Bit Wiegand Compatible

### Indicators & Annunciators

**Visual:** Two Tri-Colored LEDs

**Audio:** Built in Sounder (Bell, Chime & Siren)  
Piezoelectric Buzzer

### Environmental Characteristics

**Operating Temperature:** -25°F to 145°F  
(-31°C to 63°C)

**Operating Humidity:** 0 to 95% (Non-Condensing)

### Mechanical Characteristics

**Dimensions:** 5.3" (134mm) L x  
3.4" (85mm)  
W x 1.2" (30mm) D  
(Fits US Gang Box)

**Weight:** 0.5 lbs (220g)

---

## Installation

---

The AC-015 has been designed for easy installation. Only a few steps are required to install the controller.

In this section you will learn how to mount the controller in your desired location. You will learn how to wire the controller to its power source, which includes attaching the controller to a rechargeable Lead Acid battery.

Wiring diagrams are also provided for attaching the controller to the REX button, and External 26-Bit Wiegand Compatible readers. Also covered in this section is how to wire the AC-015 to a PC.

### **Topics in this section:**

- Mounting the Controller
- Power Wiring
- Typical Lock and Option Wiring
- Reader Wiring
- Connecting a Controller to a PC

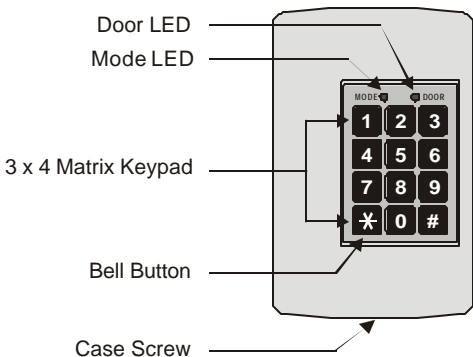
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## Mounting the Controller

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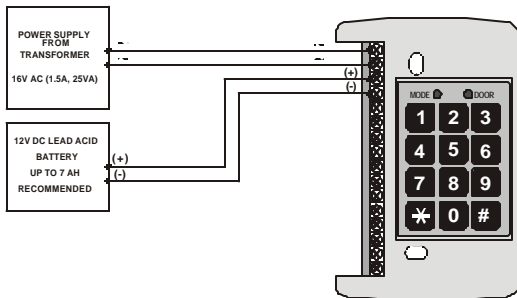
- 1) Before starting, select the location for mounting the AC-015 controller. The controller should be installed indoors and within the premises to be secured. It is recommended that the controller be installed where it cannot be seen for increased security, but still close enough to the doors so that the controller's annunciator (Door Bell, Chime & Siren) can be heard. When selecting a location, take into consideration how the controller will be attached to a PC for easier programming and system maintenance.
- 2) Find the mounting template label that is provided in your AC-015 packaging, and place it at the location that you wish to install the controller. The template is designed to assist you through the mounting procedure, showing you where you drill holes in the wall to pass the wiring through and where the wall must be drilled to insert the controllers mounting screws.
- 3) (Skip this step when attaching the AC-015 to a US Gang Box)  
Drill a hole for cables as indicated on the wiring template. Two hole sizes are shown to allow for the amount of cables needed, depending on installation requirements or adding a backup battery. Drill two screw holes for mounting the AC-015 to the wall.

- 4) Remove the case screw from the controller (see diagram below to locate the case screw) and remove the front case from the controller.
- 5) Mount the controller to the wall using the two screws provided in the Installation Kit or use the screws provided with your US Gang Box when mounting to a US Gang Box.
- 6) Wire the controller according to the diagrams on the next few pages.
- 7) Return and secure the front case using the security screw and security tool provided in the Installation Kit.

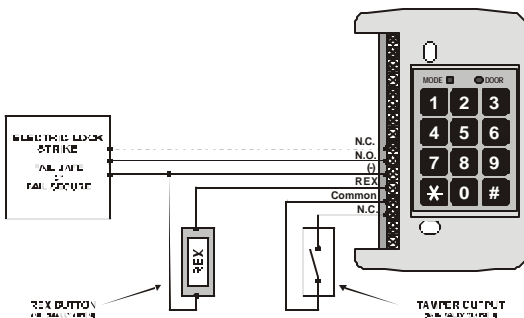


You now have mechanically installed the controller.

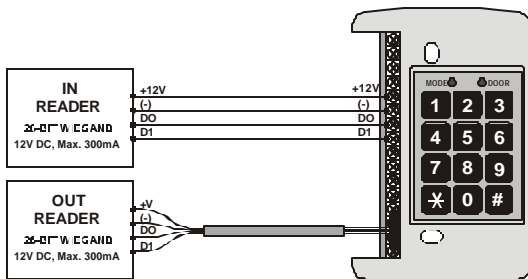
## Power Wiring



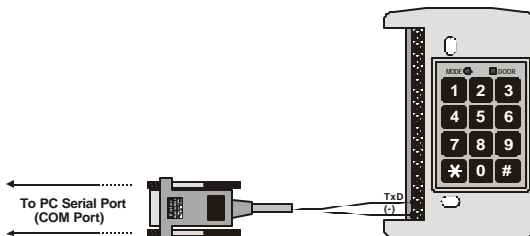
## Typical Lock and Option Wiring



## Reader Wiring



## Connecting a Controller to a PC



---

## Features and Concepts

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Now that you have installed your AC-015 controller, it is time to become familiar with its features and concepts.

In this section you will learn about all the features that are programmable. They are the basic features of the AC-015 and can be programmed directly from the controller's programming keypad. You will learn about the controller's various modes of operation, how to switch between the Modes of Operation, Special Codes, Events and Event Actions.

### **Topics in this section:**

- Modes of Operation
- Changing the Modes of Operation
- Events and Event Actions



---

## Modes of Operation



---

The AC-015 has three modes of operation Normal, Bypass, and Secure Mode. The three modes provide different levels of security.

### 1) Normal Mode




- The MODE LED is  Mode  Door  
GREEN
- In this mode the Controller is in the normal level of security. Only those codes that the Controller recognizes will activate the Lock Strike.
- The controller's keypad is used for programming, changing modes of operation, and activating the Lock Strike using the employee codes.
- The Lock Strike will remain active according to the programmed Release Time.
- In addition, it is possible to activate the Lock Strike in the following ways:
  - a. Pressing the REX button
  - b. Valid Code (from an outside reader only using Prox. Code or Pin. Code)

### 2) Bypass Mode

- The MODE LED is  Mode  Door  
ORANGE
- In this mode the Controller is in the lowest level of security.

- The Controller's keypad is used for changing modes of operation and activating the Lock Strike by the employee codes or by pressing the “\*” key.
- The Lock Strike will remain active according to the programmed Release Time.
- If the Lock Strike is defined as Normally Closed it will always be active. If the Lock Strike is defined as Normally Open it can be activated in the following ways:
  - a. Pressing the REX button
  - b. Valid Code (from an outside reader only using Prox. Code or Pin. Code)

### 3) Secure Mode

- The MODE LED is  Mode  RED Door 
- In this mode the Controller is in the highest level of security.
- The Controller's keypad is used for changing modes of operation and activating the Lock Strike by the employee codes.
- The Lock Strike will remain active according to the programmed Release Time.







- In addition, it is possible to activate the Lock Strike in the following ways:
  - a. Pressing the REX button
  - b. Master Codes (from an outside reader only using Prox. Code or Pin. Code)

---







## Changing the Modes of Operation

---







### Changing from Normal Mode to Secure Mode

- 1) The controller is in Normal Mode
  - The MODE LED is  Mode GREEN  Door green
  
- 2) Enter your 4-digit Normal/Secure Code (3838 is the initial Normal/Secure Code).
  - The MODE LED will  Mode RED  Door flash red
  
- 3) Press the “#” key
  - The MODE LED will  Mode RED  Door turn red
  - You are now in Secure Mode







## Changing from Secure Mode to Normal Mode

- 1) The controller is in Secure Mode
  - The MODE LED is  Mode  Door  
red
- 2) Enter your 4-digit Normal/Secure Code (3838 is the initial Normal/Secure Code).
  - The MODE LED will  Mode  Door  
flash green
- 3) Press the “#” key
  - The MODE LED will  Mode  Door  
turn green
  - You are now in Normal Mode

## Changing from Normal Mode to Bypass Mode

- 1) The controller is in Normal Mode
  - The MODE LED is  Mode  Door  
green
- 2) Enter your 4-digit Normal / Bypass Code
  - The MODE LED will  Mode  Door  
flash orange
- 3) Press the “#” key
  - The MODE LED will  Mode  Door  
turn orange
  - You are now in Bypass Mode

## Changing from Bypass Mode to Normal Mode

- 1) The controller is in Bypass Mode
  - The MODE LED is orange   Door
- 2) Enter your 4-digit Normal/ Bypass Code
  - The MODE LED will flash green   Door
- 3) Press the “#” key
  - The MODE LED will turn green   Door
  - You are now in Normal Mode

---

## **Events and Event Actions**

---

### **Tamper Event**

A tamper event will cause AC-015 tamper output to open and alarm sound generated if enabled. A tamper event may occur due to several reasons:

- AC-015 cover is removed or broken.
- A reader sensor wire is being disconnected from the AC-015 reader input terminal.
- A tamper data signal is received from one of the reader sensors.

### **Clearing Tamper Events**

To clear a tamper event enter a valid employee or Lock Strike code that will open the door locker output at that instance. For example, during Secured status, entering Lock Strike Code 1 from the external reader will not clear tamper because it's not permitted to open the door at this status. However, applying the same code from the internal reader will clear tamper output.

---

## Request to Exit (REX) Button

---

The REX button must be located inside the premises to be secured and is used to open the door without the use of a proximity card or PIN code. It is usually located in a convenient location, e.g. inside the door or at a receptionist's desk. The function of the REX button depends on whether the Lock Strike Relay is programmed for Fail Safe Operation or Fail Secure Operation.

- 1) **Fail Secure Operation:** From the moment the REX button is pressed, the door will be unlocked until the "Lock Strike Release Time" has passed. After this time, the door will be locked even if the REX button has not been released.
- 2) **Fail Safe Operation:** From the moment the REX button is pressed, the door will be unlocked until the REX button is released, plus the "Lock Strike Release Time". In this case the "Lock Strike Relay" only begins its count down once the REX button has been released. Door opening due to REX button will never generate chime sound.

---

## **Programming Instructions**

---

After reading *Features and Concepts* – page 7, you should already have an understanding of the AC-015's features.

Most of these features can be programmed via the AC-015's programming keypad. The following pages describe how to program the AC-015 using the programming keypad.

### **Topics in this section:**

- Programming Menu Quick Reference Guide
- Programming the AC-015

---

## Programming Menu Quick Reference Guide

---

<b>Menu Number</b>	<b>Menu Description</b>	<b>Page Number</b>
1	Changing Lock Strike Code 1	35
2	Changing Lock Strike Code 2	37
3	Changing Program Code	39
4	Changing Normal/Secure Code	41
5	Changing Normal/Bypass Code	43
6	Changing Door Release Time	45
	Choosing Fail Secure/Fail Safe Operation	46
7	Enrolling Proximity Cards or Keyboard Codes	47
8	Deleting Proximity Cards or Keyboard Codes	51
0	Returning to Default Factory Setting	53

## Programming the AC-015

Menu Number	Function	Initial Setting
1	Changing Lock Strike Code 1	2580
2	Changing Lock Strike Code 2	0000*
3	Changing Program Code	1234
4	Changing Normal/Secure Code	3838
5	Changing Normal/Bypass Code	0000*
6	Changing Door Release Time	0004
	Choosing Fail Secure/Fail Safe Operation	(4 seconds) Fail Secure
7	Enrolling Proximity Cards or Keyboard Codes	
8	Deleting Proximity Cards or Keyboard Codes	
0	Returning to Default Factory Setting and Program Facility Code	000

**\*0000 deletes a function**

**NOTE:** You must be in NORMAL mode to program the AC-015. The Mode LED will be green.

Wrong or timed out entries will reset the controller to the NORMAL mode condition.

To exit programming, press the “#” key for two seconds. Three beeps are generated and the system will return to NORMAL mode. A short press on the “#” key will also return the system to NORMAL mode, and a long beep will be heard. This aborts the programming, but in some cases, such as Program Function #7, data may have already been programmed.

Wrong entries during programming may also abort programming, along with long beep generation.



All programming operations are done either from the on-board keyboard or from the external reader. Programming PROX. employee codes requires using proximity reader and proximity cards.

---

## Entering Programming Mode



---

To begin programming the controller's settings, the AC-015 must first be placed into Programming Mode. You may only enter Programming mode from Normal mode, the controller does not permit entry to Programming Mode if the controller is in Bypass and Secure Mode.

- 1) Press the “#” key for 2 seconds
  - The DOOR LED will **Mode**  **Door**  **RED** turn red

- 2) Enter the Programming Code. The factory default Programming Code is 1234.

If the Programming Code is valid the controller will be in Programming Mode.

- The DOOR LED will **Mode**  **Door**  **GREEN** turn green

If the Programming Code is NOT valid the controller will emit a loud beep and will NOT enter Programming Mode.

---

## Exiting Programming Mode

---

- 1) To exit Programming Mode at any time: Press the “#” key for 2 seconds. You will hear 3 beeps and the controller will return to Normal Operating Mode.
- 2) Wrong entries may reset the controller back to Normal Operating Mode.
- 3) While in Programming Mode if no key is pressed for 30 seconds the AC-015 will emit a long beep and return to Normal Operating Mode.
- 4) A short press on the “#” key may also return the controller to Normal Operating Mode, accompanied by a long beep.

---

## Changing Lock Strike Code 1

---

1) Press the “#” key for 2 seconds

- You will hear a short beep
- The MODE LED will turn off
- The DOOR LED will be red

Mode 

Door   
RED

2) Enter the 4-digit Programming Code for confirmation. (Default code is 1234.)

- The DOOR LED will turn green
- The MODE LED will be off

Mode 

Door   
GREEN

3) Press 1

- The DOOR LED will remain green
- The MODE LED will turn red

Mode   
RED

Door   
GREEN

4) Enter the new 4digit  
code you wish to set  
as Lock Strike Code 1.

- You will hear 3 beeps
- The system will return to NORMAL mode
- The default Lock Strike Code 1 is 2580

---

## Changing Lock Strike Code 2

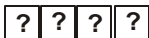
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1) Press the “#” key for 2 seconds

- You will hear a short beep
- The MODE LED will turn off
- The DOOR LED will be red



2) Enter the 4-digit Programming Code for confirmation.  
(Default code is 1234.)



- The DOOR LED will turn green
- The MODE LED will be off



3) Press 2

- The DOOR LED will remain green
- The MODE LED will turn orange



- 4) Enter the new 4-digit code you wish to set as Lock Strike Code

2.

- You will hear 3 beeps
- The system will return to Normal mode



**NOTE:** There is no default code for Lock Strike Code 2.

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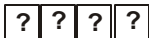
## Changing the Programming Code



---

1) Press the “#” key for 2 seconds



- You will hear a short beep
- The MODE LED  will turn off
- The DOOR LED  will be red

2) Enter the 4-digit Programming Code for confirmation. (Default code is 1234.)



- The DOOR LED  will turn green
- The MODE LED  will be off

3) Press 3

- The DOOR LED  will remain green
- The MODE LED  will turn green

- 4) Enter the new 4-digit code you wish to set as the new Programming Code

?	?	?	?
---	---	---	---

- You will hear 3 beeps
- The system will return to Normal mode

**NOTE:** Programming Code cannot be erased. Programming code 0000 is not valid and will not erase the programming code.

---

## Changing the Normal / Secure Code

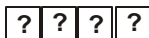
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1) Press the “#” key for 2 seconds

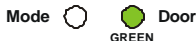
- You will hear a short beep
- The MODE LED will turn off
- The DOOR LED will be red



2) Enter the 4-digit Programming Code for confirmation.  
(Default code is 1234.)



- The DOOR LED will turn green
- The MODE LED will be off



3) Press 4

- The DOOR LED will remain green
- The MODE LED will flash red



- 4) Enter the new 4-digit code you wish to set as the new Normal/Secure change code.

?  ?  ?  ?

- You will hear 3 beeps
- The system will return to Normal mode
- The default Secure Code is 3838

---

## Changing the Normal / Bypass Code

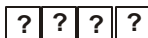
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1) Press the “#” key for 2 seconds

- You will hear a short beep
- The MODE LED will turn off
- The DOOR LED will be red



2) Enter the 4-digit Programming Code for confirmation. (Default code is 1234.)



- The DOOR LED will turn green
- The MODE LED will be off



3) Press 5

- The DOOR LED will remain green
- The MODE LED will flash orange



**NOTE:** The Normal / Bypass Code also controls the Chime function for the AC-015. You may set the code to 4 available options.

### **Option 1: Disabling Bypass Mode - Disabling the Chime**

- Enter 0000. The Bypass Mode and the Chime function are disabled.
- You will hear 3 beeps
- The system will return to Normal mode

### **Option 2: Disabling Bypass Mode - Enabling the Chime**

- Enter 0001. The Bypass Mode is disabled and the Chime function is enabled for Normal mode.
- You will hear 3 beeps
- The system will return to Normal mode

### **Option 3: Enabling Bypass Mode - Disabling the Chime**

- Enter a 4-digit code ending with the digit 0. The Bypass mode is enabled and the Chime function is disabled.
- You will hear 3 beeps
- The system will return to Normal mode

### **Option 4: Enabling Bypass Mode - Enabling the Chime**

- Enter a 4-digit code ending with any digit except 0. The Bypass mode and the Chime function are enabled for both Normal mode and Bypass mode.
- You will hear 3 beeps
- The system will return to Normal mode

**NOTE:** No default Bypass code exists.

---

## Changing the Door Release Time

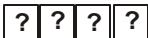
---

1) Press the “#” key for 2 seconds

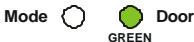
- You will hear a short beep
- The MODE LED will turn off
- The DOOR LED will be red



2) Enter the 4-digit Programming Code for confirmation.  
(Default code is 1234.)



- The DOOR LED will turn green
- The MODE LED will be off



3) Press 6

- The DOOR LED will remain green
- The MODE LED will flash green



**NOTE:** This is a 4-digit code. The first digit signifies whether the unit is being used for fail secure (factory default setting) or fail safe operation. The second digit signifies the length of time in minutes the tamper alarm will sound. The last 2 digits signify the time the door release will be activated (from 01 to 99 seconds).

**For Fail Secure Operation:**

- Enter 0 for the first digit

**For Fail Safe Operation:**

- Enter 1 for the first digit

**For Tamper Alarm:**

- If the Tamper Alarm is required, enter 1-9 as the second digit to set the alarm sound time from a minute to 9 minutes.
- If the Tamper Alarm is not required, enter 0 as the second digit.

**For Door Release Time:**

- Enter the number of seconds you wish the door release to remain activated. (For example, 0512 means fail secure with a 5-minute tamper alarm sound time and a 12 second door release.)
- You will hear 3 beeps.
- The system will return to Normal mode.
- Default door open time is 4 seconds.



---

## Enrolling Proximity Cards / Tags and Keyboard Codes into the System

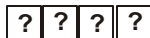
---

**NOTE:** Each proximity card is unique and can only be assigned to one slot at a time. If an unassigned proximity card is enrolled at an occupied slot, the AC-015 will generate a long beep and wait for another slot number to be entered. The card at the current slot location must be erased first, before a new code is programmed on that slot number. The same rules apply for PIN based employee codes.

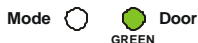
1) Press the “#” key for 2 seconds

- You will hear a short beep
- The MODE LED will  Mode  Door
- The DOOR LED will turn red

- 2) Enter the 4-digit Programming Code for confirmation. (Default code is 1234.)



- The DOOR LED will turn green
- The MODE LED will be off



- 3) Press 7

- The MODE LED will turn green
- The DOOR LED will turn orange



- 4) Enter the 3-digit slot code you wish to assign to the employee (for example, 003 represents slot "3").



- The DOOR LED will remain orange
- The MODE LED will flash green



- 5) Present the proximity card designated for this slot number to the reader.

- The MODE LED will stop flashing
  - OR,**
  - Enter the 4-digit PIN code designated for this slot number
  - The MODE LED will stop flashing
- 6) To enroll another card, enter the 3-digit slot code you wish to assign to the next employee.
- The MODE LED will start flashing
- 7) Present the proximity card designated for this slot number to the reader.
- The MODE LED will stop flashing
  - OR,**
  - Enter the 4-digit keyboard based employee code designated for this slot number to the reader
  - The MODE LED will stop flashing

Continue enrolling cards or entering keyboard employee codes in this manner until all employee codes are entered.

**NOTE:** The AC-015 programmer will not accept employee codes that are already allocated to a slot. The AC-015 will signal this with a long beep and the MODE LED will continue to flash green.

8) When finished enrolling the employee codes, press the “#” key.

- You will hear a long beep
- The AC-015 will return to Normal mode

**NOTE:** If the programming period times out before you press the “#” key, the controller will emit a long beep and return to Normal mode. However, any enrolled employee codes in this period will remain valid.

---

## Deleting Proximity Employee Codes from the System

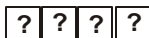
---

1) Press the “#” key for 2 seconds

- You will hear a short beep
- The MODE LED will turn off
- The DOOR LED will turn red



2) Enter the 4-digit Programming Code for confirmation. (Default code is 1234.)



- The DOOR LED will turn green
- The MODE LED will be off

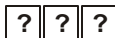


3) Press 8

- The MODE LED will turn red
- The DOOR LED will turn orange



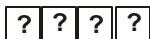
- 4) Enter the 3-digit slot code you wish to delete from the system



- The MODE LED will flash red



- 5) Enter the 4-digit Programming Code (this last step confirms that you intentionally want to delete an employee from the system).



- You will hear 3 beeps
- The system will return to Normal mode
- If additional employee codes need to be deleted, then repeat steps 1-5.

**IMPORTANT:** Ensure that your record of employees and their assigned slot numbers are stored in a secure location. Then, if you wish to delete a lost or stolen employee code from the system, you can identify the card number from your record.

---

## Return to Factory Default Settings and Facility Code

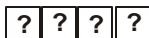
---

1) Press the “#” key for 2 seconds

- You will hear a short beep
- The MODE LED will turn off
- The DOOR LED will turn red



2) Enter the 4-digit  
Programming Code for  
confirmation. (Default  
code is 1234.)

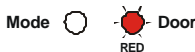


- The DOOR LED will turn green
- The MODE LED will be off



3) Press 0

- The DOOR LED will flash red
- The MODE LED will remain off



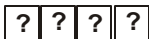
➤ **For Return to Factory Programming:**

4) Press 0 again

- The DOOR LED will continue flashing red
- The MODE LED will flash red



5) Enter the 4-digit Programming Code.  
(This last step confirms that you intentionally want to delete all your initial settings and employees from the system!)



- You will hear 3 beeps
- The system will return to Normal mode

**IMPORTANT:** You must be very careful before using this command. Doing so will erase all of the employee codes from the memory and all of the special codes will return to their default values. All preprogrammed cards, PIN codes and special codes will have to be preprogrammed from the beginning.

➤ **For Facility Code Programming:**

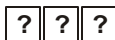
4) Press 1.

- The DOOR LED will continue flashing red
- The MODE LED will flash green

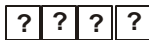


5) Enter the 3-digit Facility Code (must be between 0-255).

- The MODE LED will turn green
- The DOOR LED will continue flashing red
- If the wrong code is entered the system will exit programming.



6) Enter the 4-digit Programming Code. (This last step confirms that you intentionally want to delete all your initial settings and employees from the system!)



- You will hear 3 beeps
- The system will return to Normal mode

**IMPORTANT:**

- Facility Code 000 means that any Proximity card can be learned, with any Facility Code.
- It is recommended to program Facility Code once before programming any employee Codes. Changing Facility Code after codes are programmed will cause previous codes with different Facility Code to disappear while still occupying the code slot number.
- If Facility Code is not 000, programming any Proximity Card with another Facility Code is prohibited, however, PIN codes are not affected.

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## Replacing a Lost Programming Code

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In the event that your Programming Code is lost, complete the following procedure to enter Programming Mode so that you may create a new Programming Code.

The AC-015 must be in Normal Mode otherwise this will not work.

Make sure that the MODE LED is green before proceeding.

- 1) Disconnect power from the AC-015
- 2) Press the REX button
- 3) Reconnect power to the unit with the REX button pressed
- 4) Release the REX button

You now have 20 seconds to program a new Programming Code into the controller using the initial default code, 1234, before the controller reverts to the existing code.

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## Replacing a Lost Normal / Secure Code

---

In the event that your Normal / Secure Code is lost and you are locked in Secure Mode, complete the following procedure to re-enter Normal Mode so that you may program a new Normal / Secure Code.

The AC-015 must be in Secure Mode otherwise this will not work.

Make sure that the MODE LED is red before proceeding.

- 1) Disconnect power from the AC-015
- 2) Press the REX button
- 3) Reconnect power to the unit with the REX button pressed
- 4) Release the REX button

You now have 20 seconds to enter the default Secure Code, 3838, to return the system to Normal mode.

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## Accessories

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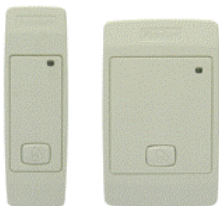
### Wiegand 26 Integrated Door Controllers



### AY-X09 Series PIN Readers

#### **AY-C09 / AY-D09**

- For indoor use
- Slim Stylish Design (Mullion)
- Includes LED Indicator
- Audible Buzzer Indicator
- Built in Tamper (w/ Rosslare Controllers)
- Includes Bell Button (w/ Rosslare Controllers)

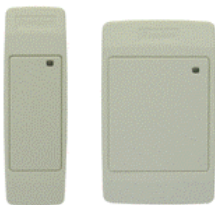


## **AY-X11 Series** **Prox Readers** **w/ Bell**

### **AY-C11 / AY-D11**

- Reading Distance: 8 to 10cm
- RF Modulation: ASK at 125 kHz
- For indoor use
- Slim Stylish Design (USA Gang Box)
- Bi-Color Light Indicator
- Audible Buzzer Indicator
- Built in Tamper (w/ Rosslare Controllers)
- Includes Bell Button (w/ Rosslare Controllers)

## AY-X12 Series Prox Readers



### **AY-C11 / AY-D11**

- Reading Distance: 8 to 10cm
- RF Modulation: ASK at 125 kHz
- For indoor use
- Slim Stylish Design (USA Gang Box)
- Bi-Color Light Indicator
- Audible Buzzer Indicator (w/ Rosslare Controllers)
- Built in Tamper (w/ Rosslare Controllers)



**AY-X12**  
**Series**  
**Prox**  
**Readers**

**AY-H12 / AY-J12 / AY-K12 / AY-L12 / AY-M12**

- Reading Distance: 7 to 12cm
- RF Modulation: ASK at 125 kHz
- For outdoor use
- Slim Stylish Design (UK or USA Gang Box, Mullion)
- Bi-Color Light Indicator
- Includes LED Control Input
- Audible Buzzer Indicator
- Built in Tamper Output



## **AY-X19 Series** **Pin & Prox** **Readers**

### **AY-C19 / AY-D19**

- Reading Distance: 8 to 10cm
- RF Modulation: ASK at 125 kHz
- For indoor use
- Slim Stylish Design (USA Gang Box)
- Bi-Color Light Indicator
- Audible Buzzer Indicator
- Built in Tamper (w/ Rosslare Controllers)
- Includes Bell Button (w/ Rosslare Controllers)



## AY-L23 RF Reader

### **AY-L23**

- Read Range: 70 meters (200 feet)
- For Outdoor Use (Water Proof)
- Frequency: 433MHz
- Slim Stylish Design (Mullion)
- Bi-Color LED Indicator
- LED Control
- Audible Buzzer Indicator
- Size: 145mm x 43mm x 20mm
- Used with SA-26 Wireless Remote

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## Technical Support

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### International Web Site:

<http://www.rosslare.com.hk/support/>

### Asia, Australia, & South America:

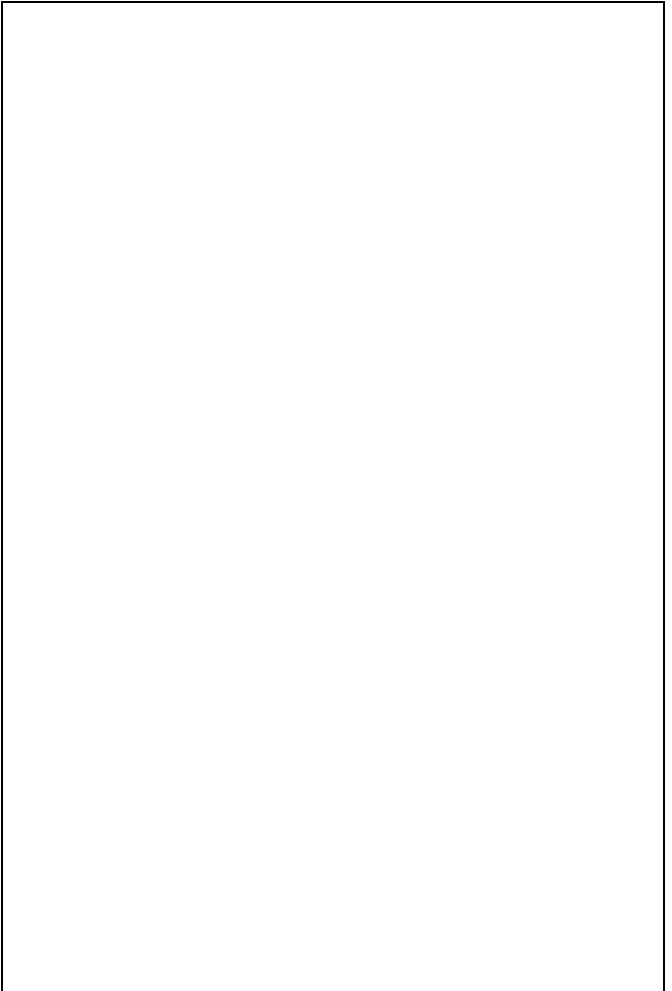
Rosslare Enterprises Ltd.  
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Hong Kong  
Tel: (852) 2795 5630  
Fax: (852) 2795 1508  
E-mail: [info@rosslare.com.hk](mailto:info@rosslare.com.hk)

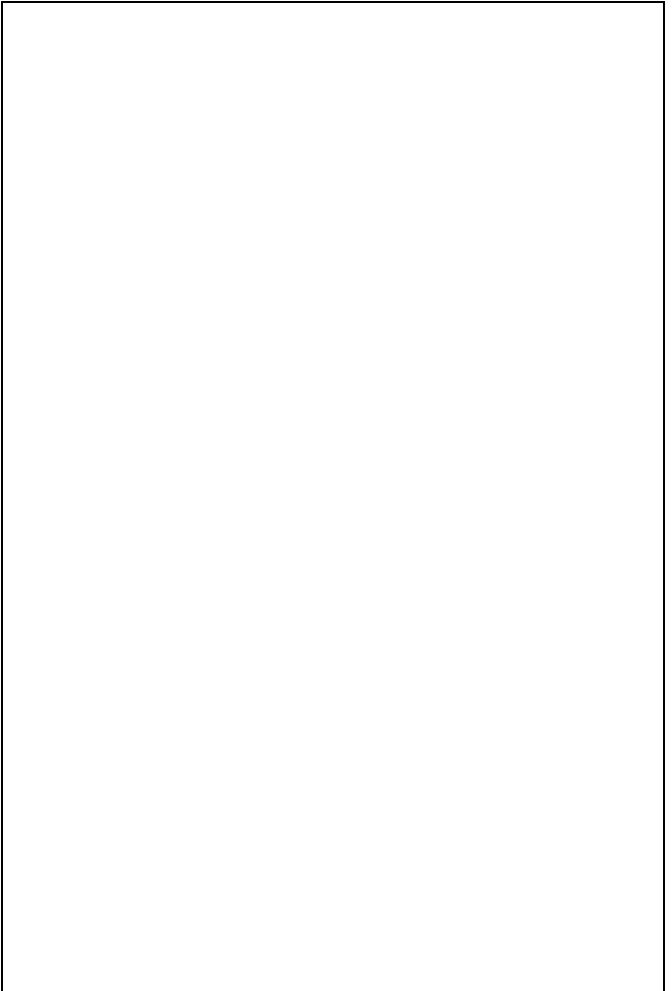
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[www.rosslare.com.hk](http://www.rosslare.com.hk)

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