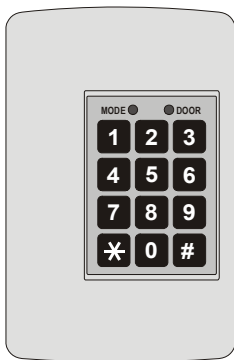




Single Door Access Control Programmer



AC-015

Information in this document, including URL and other Internet Web site references, is subject to change without notice. Unless otherwise noted, the example companies, organizations, products, people and events depicted herein are fictitious and no association with any real company, organization, product, person or event is intended or should be inferred.

© Copyright 2000 Rosslare. All rights reserved.

Rosslare, the Rosslare logo, and the Rosslare products referred to herein are either the trademarks or registered to the trademarks of Rosslare, All other trademarks are the property of their respective owners.

Software License Agreement.

ROSSLARE IS WILLING TO LICENSE THE ENCLOSED SOFTWARE ONLY ON THE CONDITION THAT YOU ACCEPT ALL OF THE TERMS CONTAINED IN THIS LICENCE AGREEMENT. This is a legal agreement between you (either the individual or the end-user or an entity) and Rosslare. By opening this software package, you are agreeing to be bound by the terms and conditions of this Agreement. If you do not agree to the terms of this Agreement, promptly return the software package and other items that are part of this product in their original package with your payment receipt to your point of purchase for a full refund. Grant of License. Rosslare and its suppliers grant you a nonexclusive license to use one copy of the enclosed software program ("Software") on one computer with the Rosslare product you have purchased. No other rights are granted. The software is in use if it is loaded on the computer's permanent or temporary memory. For backup purposes only you may make one copy of the Software. You must include on the backup copy all copyright and other notices included on the Software as supplied by Rosslare. Installation on a Network server for the sole purpose of your internal distribution of the Software is permitted only if you have purchased an individual software package for each networked computer to which the software is distributed. Restrictions. Rosslare and its suppliers retain ownership of the Software. You may not decompile, disassemble, reverse engineer, or modify the Software in any way. You may not transmit the software over a network (except as expressly permitted above), by telephone, or electrically using any means. You may not transfer the Software except upon a permanent transfer of the enclosed Rosslare product provided that all software updates are included in the transfer, you do not retain a copy of the Software, and the transferee agrees to be bound by the terms and conditions of this license. Upon any violation of any of the provisions of this Agreement, rights to use the Software shall automatically terminate and the Software

must be returned to Rosslare or all copies of the Software destroyed. Limited Product Warranty. Rosslare warrants that any hardware products accompanying this documentation shall be free from significant defects in material and workmanship for a period of one year from the date of purchase. Rosslare also warrants that the Software accompanying this documentation will perform substantially in accordance with the documentation for a period of 90 days from purchase. Rosslare's hardware and software warranty is nontransferable and is limited to the original purchaser. Product Remedies. Rosslare's entire liability and the licensee's exclusive remedy for any breach of warranty, shall be, at Rosslare's sole option, either a) return the price paid or b) repair or replacement of hardware or software, provided that the hardware is returned to the point of purchase, with a copy of the sales receipt. Any replacement hardware and software will be warranted for the remainder of the original warranty period or 30 days for the hardware and 30 days for the software, whichever is longer. The remedies are void if failure of the software or hardware has resulted from abuse, accident or misapplication.

Limitation of Liability.

THE WARRANTIES SET FORTH IN THIS AGREEMENT REPLACE ALL OTHER WARRANTIES. ROSSLARE EXPRESSLY DISCLAIMS ALL OTHER WARRANTIES, INCLUDING BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT OF THIRD PARTY RIGHTS WITH RESPECT TO THE DOCUMENTATION, SOFTWARE, AND HARDWARE. NO ROSSLARE DEALER, AGENT, OR EMPLOYEE IS AUTHORISED TO MAKE ANY MODIFICATION, EXTENSION, OR ADDITION TO THIS WARRANTY. IN NO EVENT WILL ROSSLARE OR ITS SUPPLIERS BE LIABLE FOR ANY COSTS OF PROCUREMENT OF SUBSTITUTE PRODUCTS OR SERVICES, LOST PROFITS, LOSS OF INFORMATION OR DATA, OR ANY OTHER SPECIAL DIRECT OR INDIRECT, CONSEQUENTIAL, OR INCIDENTAL DAMAGES ARISING IN ANYWAY OUT OF THE SALE, OF, USE OF, OR INABILITY TO USE ANY ROSSLARE PRODUCT OR SERVICE, EVEN IF ROSSLARE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. IN NO CASE SHALL ROSSLARE'S LIABILITY EXCEED THE ACTUAL MONEY PAID FOR THE PRODUCTS AT ISSUE. Because some jurisdictions do not allow the implementation of limited warranties or liability for incidental, consequential, special, or indirect damages, the above limitation may not always apply. The above limitations will not apply in case of

personal injury where and to the extent that applicable law requires such liability.

U.S. Government Restricted Rights.

The software is provided to the U.S. Government only with restricted rights and limited rights of use, duplication or disclosure by the U.S. Government is subject to restrictions set forth in 48 C.F.R. 2.101 (Oct 1995) consisting of “Commercial Computer Software” and “Commercial Computer Software Documentation” as such terms are used in 48 C.F.R. 12.212 (September 1995), and in FAR Sections 52-227-14 and 52-227-19 or DFARS Section 52.227-7013 (C) (ii), or their successors, as applicable. Consistent with 48. C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7204-1 (June 1995), or any successor regulations, this software is provided to the terms and conditions herein. Contractor/ Manufacturer Rosslare Enterprises Ltd. 12 Wang Tai Road, Hong Kong.

Contents

INTRODUCTION	6
Key Features	8
Technical Specifications	9
Installation	11
Mounting the Controller	12
Power Wiring	14
Typical Lock and Option Wiring	14
Reader Wiring.....	15
Connecting a Controller to a PC	15
Features and Concepts	16
Modes of Operation	17
Changing the Modes of Operation	19
Events and Event Actions	21
Programming Instructions	23
Programming Menu Quick Reference Guide	24
Programming the AC-015	25
Replacing a Lost Programming Code	45
Replacing a Lost Normal / Secure Code	46
Accessories	47
TECHNICAL SUPPORT	50

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 47.

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

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: Standby: 65mA
Maximum: 120mA
(Not including attached devices)

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 x 3.4 x 1.2 inch
LxWxD	134x 85 x30mm (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

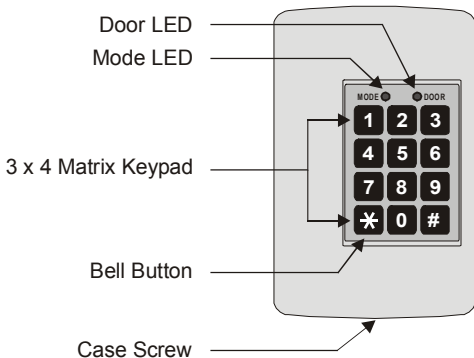
Mounting the Controller

- 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.

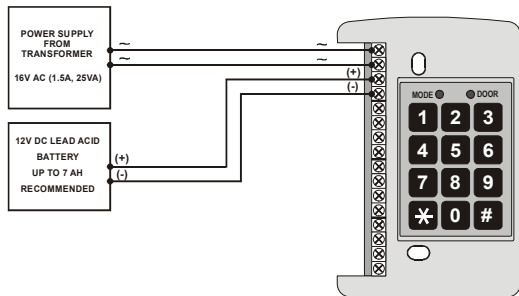
- 6) Wire the controller according to the diagrams on the next few pages.
- 7) Return and secure the front case using the security screw and security tool provided in the Installation Kit.



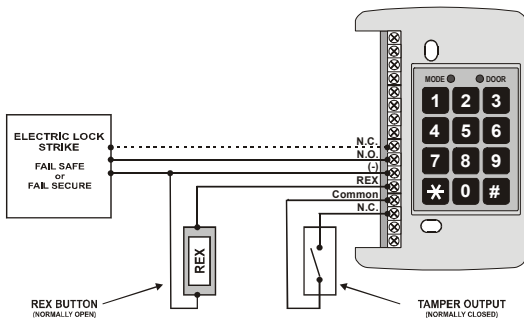
You now have mechanically installed the controller.

Wiring

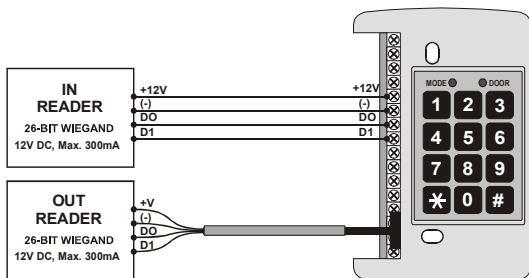
Power wiring



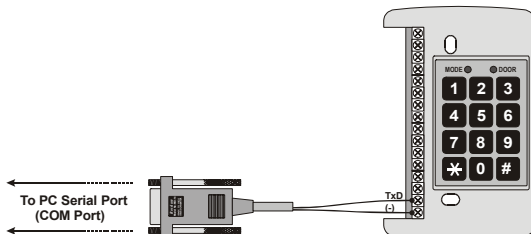
Typical Lock and Option Wiring



Reader Wiring



Connecting a Controller to a PC



Features and Concepts

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 green **Mode**  **GREEN**  **Door**
- 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 orange **Mode**  **ORANGE**  **Door**
- 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:
- Pressing the REX button
- Valid Code (from an outside reader only using Prox. Code or Pin. Code)

3) **Secure Mode**

- The MODE LED is red **Mode**  **Door**
RED
- 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 to Secure Mode

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

Changing from Secure Mode to Normal Mode

- 1) The controller is in Secure Mode
 - The MODE LED is red   Door
- 2) Enter your 4-digit Normal/Secure Code (3838 is the initial Normal/Secure 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

Changing from Normal to Bypass Mode

- 1) The controller is in Normal Mode
 - The MODE LED is green 
- 2) Enter your 4-digit Normal / Bypass Code
 - The MODE LED will flash orange 
- 3) Press the “#” key
 - The MODE LED will 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 
- 2) Enter your 4-digit Normal/ Bypass Code
 - The MODE LED will flash green 
- 3) Press the “#” key
 - The MODE LED will turn green 
 - 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 5, 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

Menu Number	Menu Description	Page Number
1	Changing Lock Strike Code 1	29
2	Changing Lock Strike Code 2	30
3	Changing Program Code	31
4	Changing Normal/Secure Code	32
5	Changing Normal/Bypass Code	33
6	Changing Door Release Time	35
	Choosing Fail Secure/Fail Safe Operation	35
7	Enrolling Proximity Cards or Keyboard Codes	37
8	Deleting Proximity Cards or Keyboard Codes	40
0	Returning to Default Factory Setting	42

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  Door  GREEN
- 4) Enter the new 4-digit 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

- 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 2
 - The DOOR LED will remain green
 - The MODE LED will turn orange

Mode   Door
ORANGE GREEN
- 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.

Changing the Programming Code

- 1) Press the “#” key for 2 seconds
 - You will hear a short beep
 - The MODE LED will **Mode**   **Door**
turn off **RED**
 - The DOOR LED will
be red
- 2) Enter the 4-digit Programming Code for confirmation. (Default code is 1234.)

?

?

?

?

 - The DOOR LED will **Mode**   **Door**
turn green **GREEN**
 - The MODE LED will
be off
- 3) Press 3
 - The DOOR LED will **Mode**   **Door**
remain green **GREEN GREEN**
 - The MODE LED will
turn green
- 4) Enter the new 4-digit code you wish to set as the new Programming Code

?

?

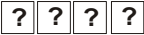
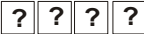
?

?

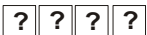
 - You will hear 3 beeps
 - The system will return to Normal mode

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

Changing the Normal / Secure Code

- 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 4
- The DOOR LED will remain green
 - The MODE LED will flash red
- Mode   Door
RED GREEN
- 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

- 1) Press the “#” key for 2 seconds
 - You will hear a short beep
 - The MODE LED will  Mode  Door
RED
 - The DOOR LED will be red
- 2) Enter the 4-digit Programming Code for confirmation. (Default code is 1234.)
 - The DOOR LED will  Mode  Door
GREEN
 - The MODE LED will be off
- 3) Press 5
 - The DOOR LED will  Mode  Door
ORANGE 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: Disable Bypass Mode - Disable 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: Disable Bypass Mode - Enable 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: Enable Bypass Mode - Disable Chime

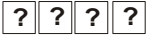
- Enter a 4-digit code ending with the digit 0. The Bypass mode is enabled and the Chime function is disabled.
- You will hear 3 beeps
- The system will return to Normal mode

Option 4: Enable Bypass Mode - Enable 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  **Mode**
 - The DOOR LED will  **Door**
turn off **RED**
 - The DOOR LED will be red
- 2) Enter the 4-digit Programming Code for confirmation. (Default code is 1234.)
 - The DOOR LED will  **Door**
turn green **GREEN**
 - The MODE LED will be off
- 3) Press 6
 - The DOOR LED will  **Door**
remain green **GREEN**
 - The MODE LED will  **Mode**
flash green **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.

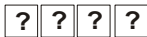
Enrolling Proximity Cards / Tags and Keyboard Codes into the System

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**
turn off
RED
- The DOOR LED will turn red

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



- The DOOR LED will  **Mode**  **Door**
turn green
GREEN
- The MODE LED will be off

- 3) Press 7

- The MODE LED will  **Mode**  **Door**
turn green
GREEN ORANGE
- 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.

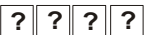
- You will hear a long beep
- The AC-015 will return to Normal mode

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

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

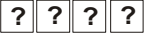
Mode   Door
GREEN
- 3) Press 8
 - The MODE LED will turn red
 - The DOOR LED will turn orange

Mode   Door
RED ORANGE
- 4) Enter the 3-digit slot code you wish to delete from the system



 - The MODE LED will flash red

Mode   Door
RED ORANGE
- 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.

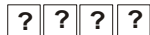
IMPORTANT: Ensure that your record of employees and their assigned slot numbers are stored in a secure location. Then, if you wish to delete a lost or stolen employee code from the system, you can identify the card number from your record.

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

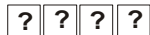


➤ For Return to Factory Default:

- 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:

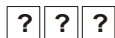
4) Press 1.

- 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.

Replacing a Lost Programming Code

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.

Replacing 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.

Accessories

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

Technical Support

Asia Pacific, Middle East, Africa

Rosslare Security Products Headquarters
905-912 Wing Fat Industrial Bldg,
12 Wang Tai Road,
Kowloon Bay Hong Kong
Tel: +852 2795-5630
Fax: +852 2795-1508
E-mail: support.apac@rosslaresecurity.com

United States and Canada

1600 Hart Court, Suite 103
Southlake, TX, USA 76092
Toll Free: +1-866-632-1101
Local: +1-817-305-0006
Fax: +1-817-305-0069
E-mail: support.na@rosslaresecurity.com

Europe

Global Technical Support & Training Center
HaMelecha 22
Rosh HaAyin, Israel 48091
Tel: +972 3 938-6838
Fax: +972 3 938-6830
E-mail: support.eu@rosslaresecurity.com

South America

Pringles 868, 1640 Martinez
Buenos Aires
Argentina
Tel: +54 11 4798-0095
Fax: +54 11 4798-2228
E-mail: support.la@rosslaresecurity.com

Web Site: www.rosslaresecurity.com

ROSSLARE
SECURITY PRODUCTS
www.rosslaresecurity.com



0706-0820050+00