



# **MZ11**

## **DOOR ACCESS CONTROLLER**



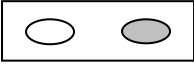



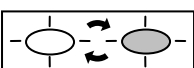


***User Manual***  
(Revision 1.0.2)

## STANDALONE SYSTEM CONFIGURATION

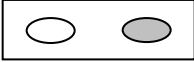





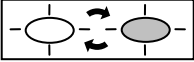
There are two components on the MZ11 controller functioned as indicators on each status when settings were made, namely:

- (i) *buzzer*
- (ii) *LED (the red and green-colour lights)*

Diagram below explains all indications that are found in the step-by-step guide:

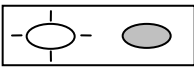
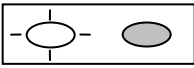

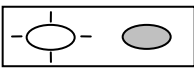
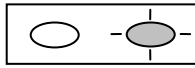

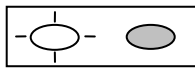
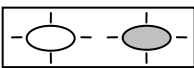
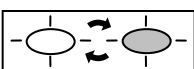
 <p>Off      Off</p>	<p>The two LEDs, where the left one represents the green-colour LED and the right one represents the red-colour LED. Label below each LED represents their illuminating status.</p>
 <p>Blink - 2</p>	<p>The green-colour LED blinks twice (2) and turns off.</p>
 <p>Flashes</p>	<p>The red LED flashes continuously.</p>
 <p>Lit</p>	<p>The green-colour LED stays lit without turning off.</p>
 <p>Flashes    Flashes</p>	<p>The two LEDs flashing alternatively.</p>
 <p>Short Buzz - 1</p>	<p>The buzzer sounds once (1) for a shorter duration and turns off.</p>
 <p>Alarm</p>	<p>The buzzer sounding non-stop when the alarm is triggered.</p>

## 2. TO ENTER PROGRAMMING MODE

Steps		Successful	Failed
1.	Press <b>#</b>	 Off      Off	
2.	Key in 4-digit Master PIN	 Blink - 1      Off  Flashes      Flashes +  Short Buzz - 1	 Off      Blink - 3 +  Short Buzz - 3 <i>Return to Standby mode:</i>  Flashes      Flashes

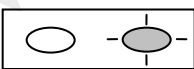
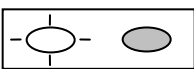

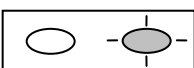
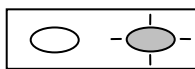

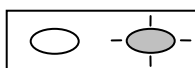

*Note: The MZ11 controller will automatically return to its standby mode 30 seconds after it is left idle in its Programming mode or any of the subcategory modes.*

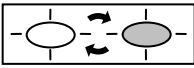
### 3. ADD CARD

Steps		Successful	Failed
1.	Enter Programming Mode		
2.	Press <b>1</b>	 Flashes    Off	
3.	Flash an EM card to be added into the controller	 Blink - 1    Off +  Short Buzz - 1 Return to Add Card mode:  Flashes    Off	 Off    Blink - 3 +  Short Buzz - 3 Return to Add Card mode:  Flashes    Off
4.	Press <b>*</b> twice to return to Standby mode	 Flashes    Flashes  Flashes    Flashes	

*Note: The MZ11 controller allows users to enroll multiple EM cards one after another before exiting the Add Card mode. However, each card can only be enrolled once before it is deleted from the card database within the controller.*

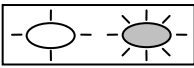
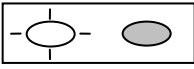



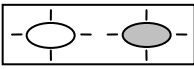
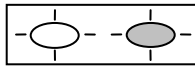
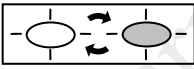
### 4. DELETE CARD

Steps		Successful	Failed
1.	Enter Programming Mode		
2.	Press <b>2</b>	 Off    Flashes	
3.	Flash an EM card to be deleted from the controller	 Blink - 1    Off +  Short Buzz - 1 Return to Delete Card mode:  Off    Flashes	 Off    Blink - 3 +  Short Buzz - 3 Return to Delete Card mode:  Off    Flashes
4.	Press <b>*</b> twice to return to Standby mode	 Flashes    Flashes	

		 Flashes   Flashes	
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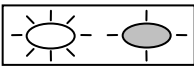
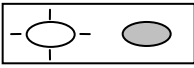
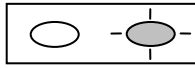


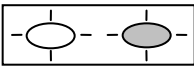
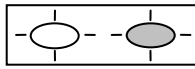
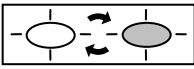
*Note: The MZ11 controller allows users to delete multiple EM cards one after another before exiting the Delete Card mode. However, each card can only be deleted once before it is added into the card database within the controller.*

## 5. LOCK RELEASE TIMER

Steps		Successful	Failed
1.	Enter Programming Mode		
2.	Press <b>3</b>	 Flashes   Lit	
3.	Key in 2-digit timer code (between "01" and "99" for its respective seconds)	 Blink - 1   Off	 Off   Blink - 3
		+  Short Buzz - 1	+  Short Buzz - 3
		<i>Return to Programming mode:</i>  Flashes   Flashes	<i>Return to Programming mode:</i>  Flashes   Flashes
4.	Press <b>*</b> once to return to Standby mode	 Flashes   Flashes	

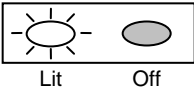
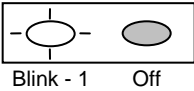

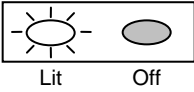
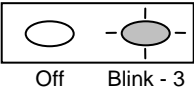

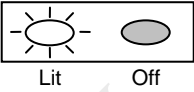
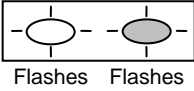
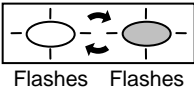
*Note: The default Lock Release Timer is 5 seconds (05).*

## 6. DOOR OPENED ALARM TIMER

Steps		Successful	Failed
1.	Enter Programming Mode		
2.	Press <b>4</b>	 Lit   Flashes	
3.	Key in 2-digit timer code (between "01" and "99" for its respective seconds)	 Blink - 1   Off	 Off   Blink - 3
		+  Short Buzz - 1	+  Short Buzz - 3
		<i>Return to Programming mode:</i>  Flashes   Flashes	<i>Return to Programming mode:</i>  Flashes   Flashes
4.	Press <b>*</b> once to return to Standby mode	 Flashes   Flashes	

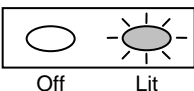
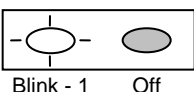

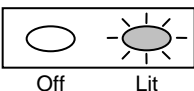
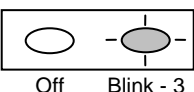

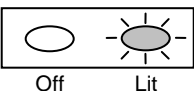
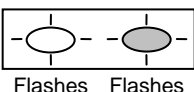
*Note: The default Door Opened Alarm Timer is 5 seconds (05).*

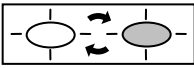
## 7. ADD CARD BY KEYPAD

Steps		Successful	Failed
1.	Enter Programming Mode		
2.	Press <b>5</b>	 Lit      Off	
3.	Key in card number (without any preceding zeroes), follow by <b>#</b>	 Blink - 1      Off +  Short Buzz - 1  <i>Return to Add Card by Keypad mode:</i>  Lit      Off	 Off      Blink - 3 +  Short Buzz - 3  <i>Return to Add Card by Keypad mode:</i>  Lit      Off
4.	Press <b>*</b> twice to return to Standby mode	 Flashes      Flashes   Flashes      Flashes	

*Note: The MZ11 controller allows users to enroll multiple EM cards one after another before exiting the Add Card By Keypad mode. However, each card can only be added once before it is deleted from the card database within the controller.*

## 8. DELETE CARD BY KEYPAD

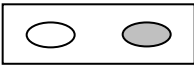
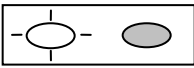


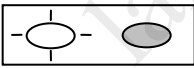
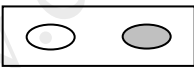
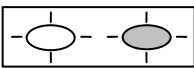
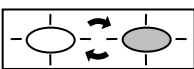
Steps		Successful	Failed
1.	Enter Programming Mode		
2.	Press <b>6</b>	 Off      Lit	
3.	Key in card number (without any preceding zeroes), follow by <b>#</b>	 Blink - 1      Off +  Short Buzz - 1  <i>Return to Delete Card by Keypad mode:</i>  Off      Lit	 Off      Blink - 3 +  Short Buzz - 3  <i>Return to Delete Card by Keypad mode:</i>  Off      Lit
4.	Press <b>*</b> twice to return to Standby mode	 Flashes      Flashes	

		 Flashes    Flashes	
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*Note: The MZ11 controller allows users to delete multiple EM cards one after another before exiting the Delete Card By Keypad mode. However, each card can only be deleted once before it is added into the card database within the controller.*

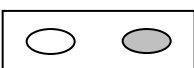
## 9. ALARM OUTPUT MODE

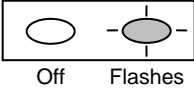
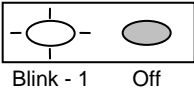

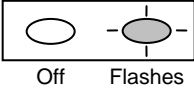
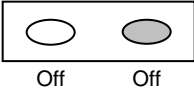
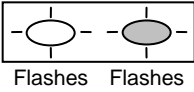
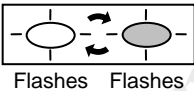
### Set Door Opened Alarm:

Steps		Successful	Failed
1.	Enter Programming Mode		
2.	Press <b>7</b>	 Off    Off	
3.	Press <b>1</b>	 Flashes    Off	
4.	Press <ul style="list-style-type: none"> <li><b>1</b> to <b>enable</b> Door Opened Alarm, or,</li> <li><b>2</b> to <b>disable</b></li> </ul>	 Blink - 1    Off <div style="display: flex; align-items: center; margin-top: 5px;"> <span style="margin-right: 10px;">+</span>  <span>Short Buzz - 1</span> </div> <p><i>Return to Set Door Opened Alarm mode:</i></p>  Flashes    Off	
5.	Press <b>*</b> three times to return to Standby mode	 Off    Off   Flashes    Flashes   Flashes    Flashes	

*Note: The Door Opened Alarm mode is enabled by default.*

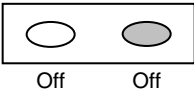
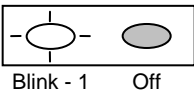

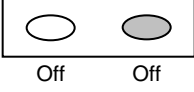
### Set Controller Lockout:

Steps		Successful	Failed
1.	Enter Programming Mode		
2.	Press <b>7</b>	 Off    Off	

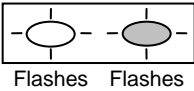
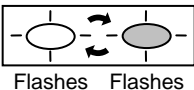
3.	Press <b>2</b>		
4.	Press <ul style="list-style-type: none"> <li>- <b>1</b> to <b>disable</b> Controller Lockout mode, or,</li> <li>- <b>2</b> to <b>allow</b> Controller Lockout for 15 minutes <b>without</b> triggering the alarm output, or,</li> <li>- <b>3</b> to <b>allow</b> Controller Lockout for 15 minutes <b>and</b> triggering the alarm output</li> </ul>	 +  Short Buzz - 1 <i>Return to Set Controller Lockout mode:</i> 	
5.	Press <b>*</b> three times to return to Standby mode	  	

*Note: When the Controller Lockout mode is enabled, the MZ11 controller will engage into lockout mode after five consecutive failure attempts in reading access card or entering access PIN at the controller, or five consecutive failure attempts in entering the Master PIN. The Controller Lockout mode is disabled by default.*

## 10. DOOR OPERATION MODE

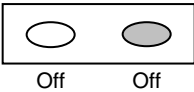
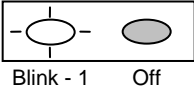

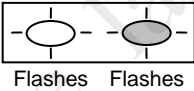
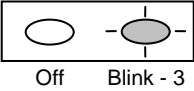

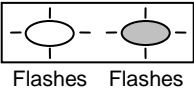
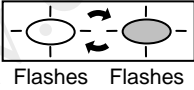
Steps		Successful	Failed
1.	Enter Programming Mode		
2.	Press <b>8</b>		
3.	Press <ul style="list-style-type: none"> <li>- <b>1</b> to unlock a door permanently, or,</li> <li>- <b>2</b> to lock a door permanently, or,</li> <li>- <b>3</b> to open a door using card only, or,</li> <li>- <b>4</b> to open a door using card or user PIN assigned to a card, or,</li> </ul>	 +  Short Buzz - 1 <i>Return to Door Operation mode:</i> 	



	- <b>5</b> to open a door using both card and user PIN assigned to the card		
4.	Press <b>*</b> twice to return to Standby mode	 	

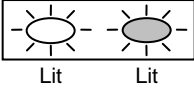
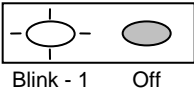

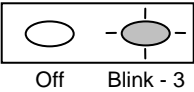

*Note: The default door operation mode is 'card only'.*

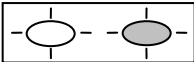
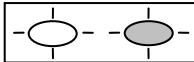
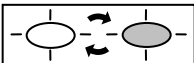
## 11. ALARM OUTPUT DURATION

Steps		Successful	Failed
1.	Enter Programming Mode		
2.	Press <b>9</b>		
3.	Key in 2-digit timer code (between "01" and "99" for its respective minutes, or "00" for turning on the alarm output permanently unless reset by user)	 +  Short Buzz - 1 <i>Return to Programming mode:</i> 	 +  Short Buzz - 3 <i>Return to Programming mode:</i> 
4.	Press <b>*</b> once to return to Standby mode		

*Note: The default Alarm Output Duration is 3 minutes (03).*

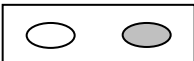
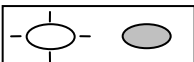
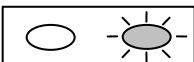

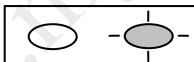


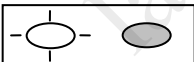
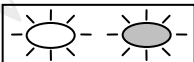

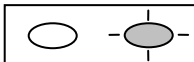

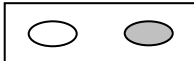
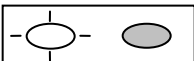
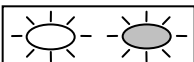

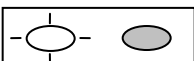

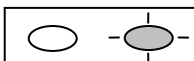

## 12. CHANGE MASTER PIN

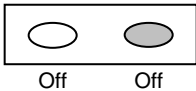
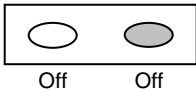
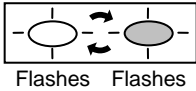
Steps		Successful	Failed
1.	Enter Programming Mode		
2.	Press <b>0</b>		
3.	Key in new 4-digit Master PIN, follow by <b>#</b>	 +  Short Buzz - 1	 +  Short Buzz - 3

		<i>Return to Programming mode:</i>  Flashes Flashes	<i>Return to Programming mode:</i>  Flashes Flashes
4.	Press * once to return to Standby mode	 Flashes Flashes	

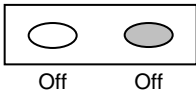
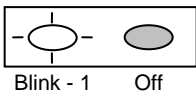
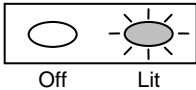
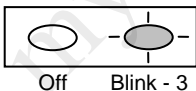
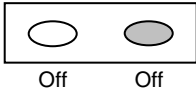
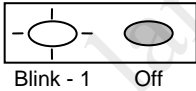
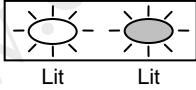
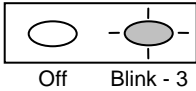
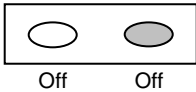
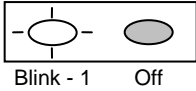
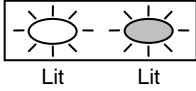
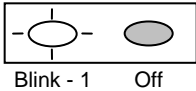
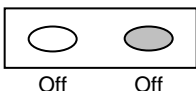
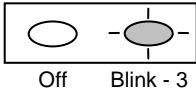
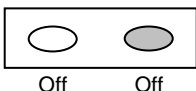
### 13. USER PIN MANAGEMENT

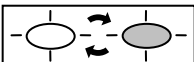
#### Create New User PIN:

Steps		Successful	Failed
1.	Under Standby mode, enter Manage User PIN mode by pressing * and # together	 Off Off	
2.	Read a valid user card at the MZ11 controller or the attached MZ11 Keypad Reader	 Blink - 1 Off  Off Lit +  Short Buzz - 1	 Off Blink - 3 +  Short Buzz - 3  <i>Return to Manage User PIN mode:</i>  Off Off
3.	Press #	 Blink - 1 Off  Lit Lit +  Short Buzz - 1	 Off Blink - 3 +  Short Buzz - 3  <i>Return to Manage User PIN mode:</i>  Off Off
4.	Key in a set of 4-digit PIN to be assigned to this user card	 Blink - 1 Off  Lit Lit +  Short Buzz - 1	
5.	Retype the same PIN	 Blink - 1 Off +  Short Buzz - 1	 Off Blink - 3 +  Short Buzz - 3

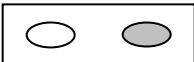
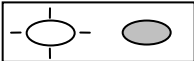

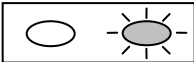
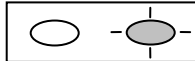


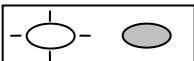

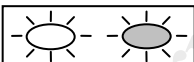
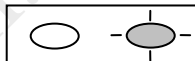

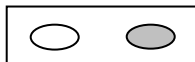
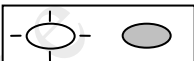

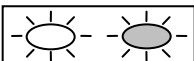
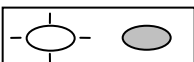

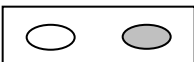
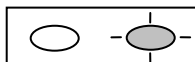

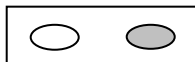
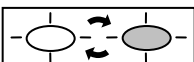
		<i>Return to Manage User PIN mode:</i> 	<i>Return to Manage User PIN mode:</i> 
6.	Press * once to return to Standby mode		

### **Change Existing User PIN:**

Steps		Successful	Failed
1.	Under Standby mode, enter Manage User PIN mode by pressing * and # together		
2.	Read a valid user card at the MZ11 controller or the attached MZ11 Keypad Reader	 	 <i>Return to Manage User PIN mode:</i> 
3.	Enter the existing user PIN previously assigned to this user card	 	 <i>Return to Manage User PIN mode:</i> 
4.	Key in a new set of 4-digit PIN to be assigned to this user card	 	
5.	Retype the same PIN	 <i>Return to Manage User PIN mode:</i> 	 <i>Return to Manage User PIN mode:</i> 

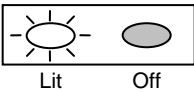
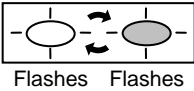
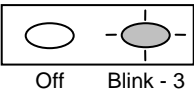
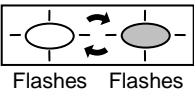
6.	Press * once to return to Standby mode	 Flashes Flashes	
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### Delete Existing User PIN:

Steps		Successful	Failed
1.	Under Standby mode, enter Manage User PIN mode by pressing * and # together	 Off Off	
2.	Read a valid user card at the MZ11 controller or the attached MZ11 Keypad Reader	 Blink - 1 Off           +  Short Buzz - 1   Off Lit	 Off Blink - 3           +  Short Buzz - 3  <i>Return to Manage User PIN mode:</i>  Off Off
3.	Enter the existing user PIN previously assigned to this user card	 Blink - 1 Off           +  Short Buzz - 1   Lit Lit	 Off Blink - 3           +  Short Buzz - 3  <i>Return to Manage User PIN mode:</i>  Off Off
4.	Press #	 Blink - 1 Off           +  Short Buzz - 1   Lit Lit	
5.	Press # again	 Blink - 1 Off           +  Short Buzz - 1  <i>Return to Manage User PIN mode:</i>  Off Off	 Off Blink - 3           +  Short Buzz - 3  <i>Return to Manage User PIN mode:</i>  Off Off
6.	Press * once to return to Standby mode	 Flashes Flashes	

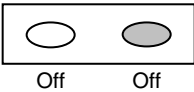
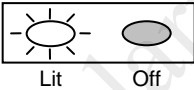
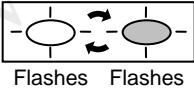
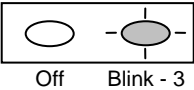
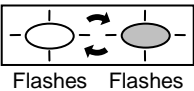
# OPERATING MZ11 CONTROLLER

## ACCESSING A DOOR (BADGING CARD ONLY)

Steps	Successful	Failed
1. Simply flash a valid EM card at the MZ11 controller unit or an MZ11 Keypad Reader attached to the main controller	 <p>Lit Off</p> <p>Short Buzz - 1</p> <p><i>Return to Standby mode after Lock Release Timer expired:</i></p>  <p>Flashes Flashes</p>	 <p>Off Blink - 3</p> <p>Short Buzz - 3</p> <p><i>Return to Standby mode:</i></p>  <p>Flashes Flashes</p>

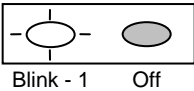
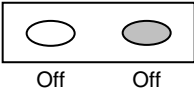
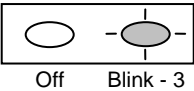
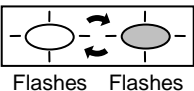
*Note: This method is applicable only when door operation mode is set to “Card only” or “Card or PIN” mode.*

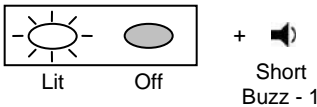
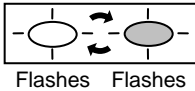
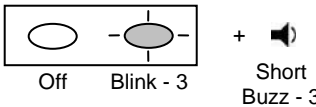
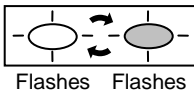
## ACCESSING A DOOR (USER PIN ONLY)

Steps	Successful	Failed
1. Under Standby mode, press *	 <p>Off Off</p>	
2. Key in a valid 4-digit user PIN at the MZ11 controller keypad or the MZ11 Keypad Reader attached to it	 <p>Lit Off</p> <p>Short Buzz - 1</p> <p><i>Return to Standby mode after Lock Release Timer expired:</i></p>  <p>Flashes Flashes</p>	 <p>Off Blink - 3</p> <p>Short Buzz - 3</p> <p><i>Return to Standby mode:</i></p>  <p>Flashes Flashes</p>

*Note: This method is applicable only when door operation mode is set to “Card or PIN” mode.*

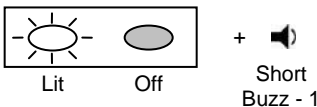
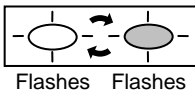
## ACCESSING A DOOR (USER CARD AND PIN)

Steps	Successful	Failed
1. Flash a valid EM card at the MZ11 controller unit or an MZ11 Keypad Reader attached to it	 <p>Blink - 1 Off</p> <p>Short Buzz - 1</p>  <p>Off Off</p>	 <p>Off Blink - 3</p> <p>Short Buzz - 3</p> <p><i>Return to Standby mode:</i></p>  <p>Flashes Flashes</p>

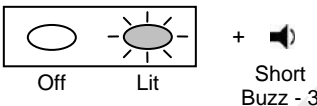
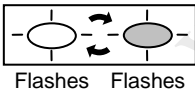
2.	Key in the 4-digit user PIN enrolled to this card	 <i>Return to Standby mode after Lock Release Timer expired:</i> 	 <i>Return to Standby mode:</i> 
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*Note: This method is applicable only when door operation mode is set to “Card and PIN” mode.*

## ACCESSING A DOOR (PUSH BUTTON)

Steps	Successful	Failed
1. Simply press the Exit Push Button which is properly connected to the MZ11 controller unit	 <i>Return to Standby mode after Lock Release Timer expired:</i> 	

## CONTROLLER LOCKOUT

Indication	
1.	 <i>Return to Standby mode:</i> 

*Note: This indication only appears when the Controller Lockout mode is enabled.*

## RESETTING CONTROLLER LOCKOUT

In order to manually reset the MZ11 controller from its lockout status, either one of the following methods can be done:

### Method 1:

- Step 1: Open the door by either pressing the exit push button, or reading a valid access card or entering a valid access PIN at the MZ11 controller or the MZ11 Keypad Reader attached to it.

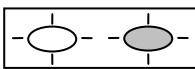

### Method 2:

- Step 1: Access the Programming Mode by entering a valid Master PIN at the MZ11 controller or the MZ11 Keypad Reader attached to it.

Method 3:

Step 1: Turn off the power supplied to the MZ11 controller and turn it back on.

## DOOR OPEN ALARM

Indication			
1.			+ 
	Flashes (Fast)	Flashes (Fast)	Alarm

*Note: The alarm will turn off when the door is properly closed.*

## RESETTING ALARM OUTPUT RELAY

The alarm output relay will be triggered if either the MZ11 controller unit housing is being tampered or that the controller has engaged lockout mode. There are three methods to override the alarm output, as shown below:

Method 1:

- Step 1: Ensure that the door is properly closed and the controller housing securely fixed on its base unit.
- Step 2: Open the door by either reading a valid user card or entering a valid user PIN, or both.

Method 2:

- Step 1: Ensure that the door is properly closed and the controller housing securely fixed on its base unit.
- Step 2: Enter the programming mode using a correct Master PIN.

Method 3:

- Step 1: Ensure that the door is properly closed and the controller housing securely fixed on its base unit.
- Step 2: Turn off the power supply of the MZ11 controller then turn back on.