

## STANDARD OPERATIONS



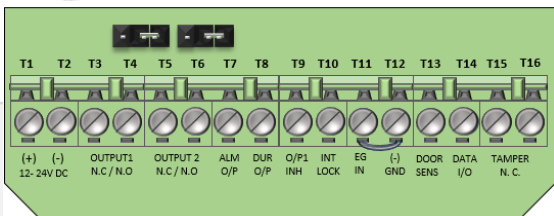
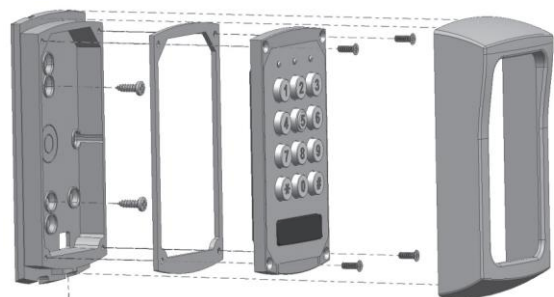
(LEDs ABOVE KEYPAD FRONT)

**LED 1 = RED/GREEN** It lights up in Green for Output 1 activation; Red for Output 1 inhibited and flashing during inhibition paused.

**LED 2 = AMBER/RED.** Amber LED flashes in Standby. It shows the system status in synchronization with the beep tones. The standby flashing can be OFF with programming. See Location 73 for the details. Red LED flashes when Wi-Fi Module is malfunction or making connection to Wi-Fi router.

**LED 3 = RED.** It lights up in Red for output 2 activation or while BELL button is pressed..

## INSTALLATION



### {A} BACK-LIT JUMPER = FULL/AUTO.

**FULL** – The keypad gives dim backlit in standby. It turns to full backlit when a button is pressed, then back to dim backlit 10 secs after the last button is pressed.

**AUTO** – The backlit is **OFF** in standby. It turns to **FULL** backlit when a button is pressed, then back to **OFF** 10 seconds after the last button is pressed.

**OFF** – Back-lit function disabled

### {11,12} Egress for PTE (Push To Exit)

If you wish to make use of this feature you must wire your PTE switch using terminals **11** & **12** marked as 'EG IN' and '(-) GND'.

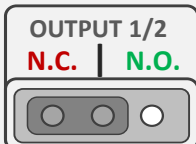
**Note:** The egress feature on the keypad is designed to only activate **Output 1**. Ensure that the entry you wish to gain access via the PTE switch is connected to this output. Programmable for Instant, Delay with Warning and/or Alarm Momentary or Holding Contact for Exit Delay.

## AES KPX1200 RELAY OUTPUT INFORMATION

**{3,4} RELAY 1 = 2A/24VDC Max. N.C. & N.O. dry contacts. (1,000 User codes)**  
Output 1 is a relay controlled by the group 1 user codes/cards. Its output contact has maximum rating of 2 amp and is selectable for Normally Closed (N.C.) or Normally Open (N.O.) with jumper.

**{5,6} RELAY 2 = 2A/24VDC Max. N.C. & N.O. dry contacts. (100 user codes)**  
This is an auxiliary relay output with 2 Amp rating Normally Open (N.O.) or Normally Closed (N.C.) dry contacts controlled by the group 2 user codes, which is ideal for controlling security systems & automatic operators. It is programmable for Start / Stop (toggle) mode or timer mode. See programming Location 52 for the details.

**{15,16} Tamper N.C = (Tamper Switch Normally Closed Contact)** A normally closed dry contact while the Keypad is secured on its box. It is open while keypad is Separated from the box. Connect this N.C terminal to the 24 hour protections zone of an alarm system if necessary.



**Note-** the common for relay 1 and 2 depends on the jumper location

^MOVE JUMPER LINK^

## Precautions

The EM Card reader is working at the frequency of 125Khz. Installation precautions are necessary

- Make sure the location for installation has no strong low frequency electro-magnetic wave. Especially in the range of 100-200Khz .
- If there is more than one keypads with the same operation frequency installed closely in the location, make sure that they are at least 60cm (2ft) apart from each other to prevention interference.

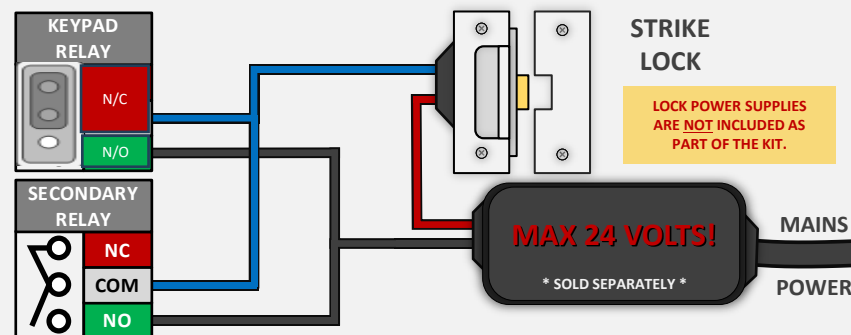
## POWER

**KEEP POWER SUPPLY AS CLOSE AS POSSIBLE.**

Connect to 12-24V DC power supply. The (-) supply and (-) GND (terminals 2 & 12) are the common grounding points of the keypad system. No selection jumper is required for the full input voltage range. Connect DC power with the (+) and (-) polarity indicated)

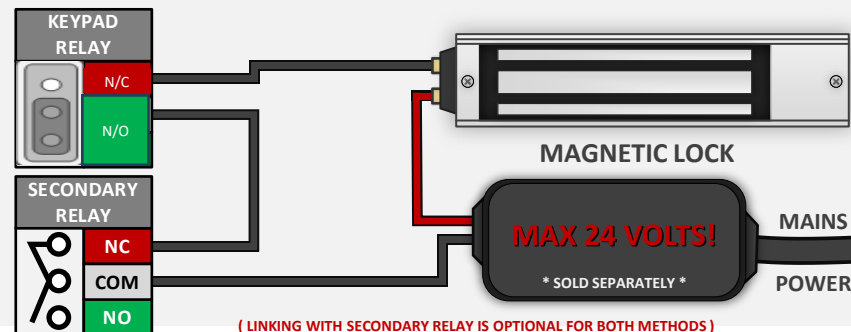
Do not apply power to the system while it is in installation. Check carefully all the wirings are correct before applying power to the system for testing.

## STRIKE LOCK WIRING METHOD



LOCK POWER SUPPLIES ARE NOT INCLUDED AS PART OF THE KIT.

## MAGNETIC LOCK WIRING METHOD



( LINKING WITH SECONDARY RELAY IS OPTIONAL FOR BOTH METHODS )

## Did you know?



Extra Prox cards and Prox Tags can be purchased in packs of 10 & 50.

( PROX versions only )



## NEED MORE ASSISTANCE?

Please scan this QR Code to be brought to our Resources page where you can find all of our guides and available resources.



EXTRA RESOURCES


## KEYPAD PROGRAMMING

Note: Programming can only begin 60 seconds after powering the device on. **\* UNLESS OVERRIDDEN \***

### 1) Enter programming mode:

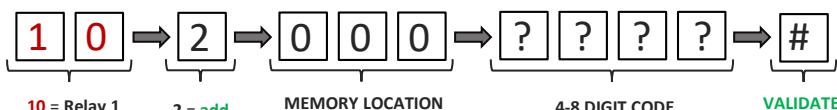


DEFAULT PROGRAMMING CODE    ENTER / EXIT PROGRAMMING



The amber LED will remain **SOLID** once you enter programming mode successfully. Press \*\* again to leave programming mode.

### 2) Adding and deleting a new keypad entry code:



**10** = Relay 1 (1000 limit)  
**20** = Relay 2 (100 limit)  
**30** = Relay 3 (100 limit)

**2** = add  
**5** = delete

**MEMORY LOCATION**  
000 to 999 = Relay 1  
001 to 100 = Relay 2  
001 to 100 = Relay 3

Note: After using '5' to delete a code just type the memory location followed by #

\* This example will add code '????' to location 000 on Relay 1 \*

### 3) Delete ALL of the codes & cards saved in a relay group:



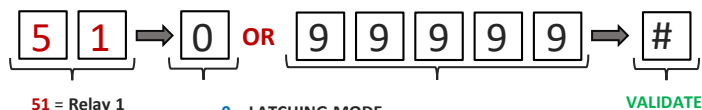
**10** = Relay 1 (1000 limit)  
**20** = Relay 2 (100 limit)  
**30** = Relay 3 (100 limit)

**SUPER DELETE CODE**

Note: Take care when deleting full relay groups because once deleted there is no way to restore these previously stored codes to the keypad.

\* This example will delete ALL of the codes stored for Relay 1 \*

### 4) Change relay output times & modes:



**51** = Relay 1  
**52** = Relay 2  
**53** = Relay 3

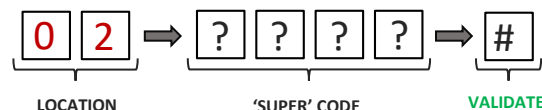
**0** = LATCHING MODE  
**1-99999** = MOMENTARY TRIGGER TIME (SECONDS)

Note: Setting the relay time to 0 will change all codes for this output to latching codes, re-enter same code again to unlatch.

\* For example: '515#' will set Relay 1 to trigger for 5 seconds \*

## KEYPAD PROGRAMMING CONTINUED

### 5) Adding a SUPER user code: (1 MAX)



Note: You can add one SUPER code as an optional feature which allows a single code to operate all 3 outputs. To use input SUPER code followed by # then 1, 2 or 3 to select.  
Example - 5555#2

### 6) Change the programming code:



Note: If you set a 4-8 digit code then user codes must also be the same amount of digits.

Example: If you set a 6 digit programming code all access codes must also be 6 digits long.

\* ALWAYS MAKE NOTE OF NEW CODE ONCE CHANGED \*

## (OPTIONAL PROGRAMMING FOR PROX MODELS ONLY)

### 7) Adding a new PROX card or tag:



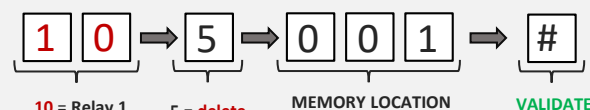
**10** = Relay 1 (1000 limit)  
**20** = Relay 2 (100 limit)  
**30** = Relay 3 (100 limit)

**1** = add

**MEMORY LOCATION**  
000 to 999 = Relay 1  
001 to 100 = Relay 2  
001 to 100 = Relay 3

\* This example will add a PROX card/tag to location 001 on Relay 1 \*

### 8) Deleting a new PROX card or tag:



**10** = Relay 1 (1000 limit)  
**20** = Relay 2 (100 limit)  
**30** = Relay 3 (100 limit)

**5** = delete

**MEMORY LOCATION**  
000 to 999 = Relay 1  
001 to 100 = Relay 2  
001 to 100 = Relay 3

Note: Keep in mind that keypad codes and PROX card/tags must be saved in their own separate memory locations.

If a keypad code is stored on location 035 this means a card cannot be added to location 035.

\* This example will delete a PROX card/tag from location 001 on Relay 1 \*

## PROGRAMMING CODE NOT WORKING?

Note: In the event that the programming code has been forgotten or changed by accident, a **DAP Reset** of the keypad can be performed during the **60 second bootup phase**. Pressing the PTE during this time or replicating this by shorting terminals 9 & 15 together with a jumper link the keypad will emit 2 short beeps if this step has been performed successfully. Then enter the **DAP Code** (Directly Access Programming Code) (**8080\*\***) on the front of the keypad as a backdoor into programming mode which will allow you to now set a new programming code, as per **Step 6** above.

# STANDALONE KEYPAD



STILL HAVING TROUBLE?  
Find all of our support options such as Web Chat,  
Full Manuals, Customer Helpline and more on  
our website:  
[WWW.AESGLOBALONLINE.COM](http://WWW.AESGLOBALONLINE.COM)

CLIENT NAME	MEMORY LOCATION	KEYPAD CODE	RELAY USED (CIRCLE)
James	000	1234	1 - 2 - 3
Mary	001	4321	1 - 2 - 3
			1 - 2 - 3
			1 - 2 - 3
			1 - 2 - 3
			1 - 2 - 3
			1 - 2 - 3
			1 - 2 - 3
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			1 - 2 - 3

CLIENT NAME	MEMORY LOCATION	PROX ID	RELAY USED (CIRCLE)
James	005	0001548796	1 - 2 - 3
Mary	006	0001589678	1 - 2 - 3
			1 - 2 - 3
			1 - 2 - 3
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USE THIS AS A TEMPLATE OF HOW TO KEEP TRACK OF ALL OF THE KEYPAD CODES SAVED WITHIN THE KEYPAD. FOLLOW THE FORMAT FROM THE EXAMPLES SET AND IF MORE TEMPLATES ARE REQUIRED THEY CAN BE FOUND ON OUR WEBSITE OR FOLLOW THE QR CODE PROVIDED.



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