AES KPX1200 *- Analog Keypad*

* ALWAYS TEST THE UNIT ON SITE BEFORE INSTALLATION TO AVOID RESTOCKING FEES *

AES KPX1200 STANDARD OPERATIONS

1 **2** **3**

(LEDs ABOVE KEYPAD FRONT)

LED 1 = RED/GREEN. It lights up in **RED** while one of the outputs is inhibited. It is flashing during inhibition paused. It is also the *Wiegand* LED for feedback indication and will light up in GREEN.
LED 2 = AMBER. It flashes in Standby. It shows the system status in synchronization with the beeps.
LED 3 = RED/GREEN. It lights up in GREEN for **OUTPUT 1** activation; and RED for **OUTPUT 2** activation.

{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.

{B} ALARM OUTPUT SETTING = (RESOURCES PAGE - ADVANCED WIRING OPTIONS)

{9,15} Egress for PTE (Push To Exit)
If you wish to make use of this feature you must wire your PTE switch using terminals 9 & 15 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 to 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

{3,4,5} RELAY 1 = 5A/24VDC Max. N.C. & N.O. dry contacts.
**1,000 (Codes) + 50 Duress Codes**

{6,7,C} RELAY 2 = 1A/24VDC Max. N.C. & N.O. dry contacts.
100 (Codes) + 10 Duress Codes (COMMON port is determined by the Shunt Jumper marked as C on the diagram. Connect your device to N.C. and N.O. and then move the jumper to the required position and test.)

{10,11,12} RELAY 3 = 1A/24VDC Max. N.C. & N.O. dry contacts.
100 (Codes) + 10 Duress Codes

{19,20} Tamper Switch = 50mA/24VDC Max.
N.C. dry contact.

RELAY CONNECTIONS	
N/O	Normally Open
C	Common
N/C	Normally Closed

OUTPUT 2
N.C.   **N.O.**

ALL THREE OUTPUTS ARE VOLT-FREE CONTACTS.

^MOVE JUMPER LINK^

GROUND

RELAY 3

EGRESS

24v IN   **RELAY 1**   **R2**
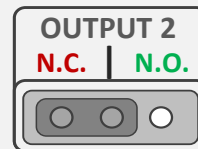
{1,2} 24v 2Amp = Regulated PSU
(Pre-wired for inside an AES Intercom System)

SUPPLEMENT WIRING DIAGRAMS CAN BE FOUND ON OUR RESOURCE PAGE.

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.

SITE SURVEY
TIP: If fitting this keypad as an independent system then no site survey is required. If the keypad is included inside a callpoint then please follow the site survey details included on the main product guide.
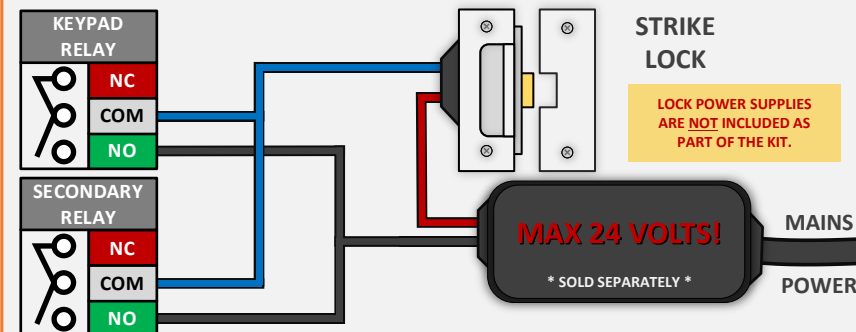
POWER CABLE
KEEP POWER SUPPLY AS CLOSE AS POSSIBLE.

TIP: Most technical calls received are due to installers using CAT5 or alarm cable to power the unit.

NEITHER are rated to carry enough power! **(1.2amp peak)**
Please use the following cable:

Up to 2 metres (6 feet) – Use minimum **0.5mm²**   **(18 gauge)**
Up to 4 metres (12 feet) – Use minimum **0.75mm²**   **(16 gauge)**
Up to 8 metres (24 feet) – Use minimum **1.0mm²**   **(14 / 16 gauge)**

STRIKE LOCK WIRING METHOD

KEYPAD RELAY
NC / COM / NO

SECONDARY RELAY
NC / COM / NO

STRIKE LOCK

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

MAX 24 VOLTS!
* SOLD SEPARATELY *
MAINS
POWER

MAGNETIC LOCK WIRING METHOD

KEYPAD RELAY
NC / COM / NO

SECONDARY RELAY
NC / COM / NO

MAGNETIC LOCK

MAX 24 VOLTS!
* SOLD SEPARATELY *
MAINS
POWER
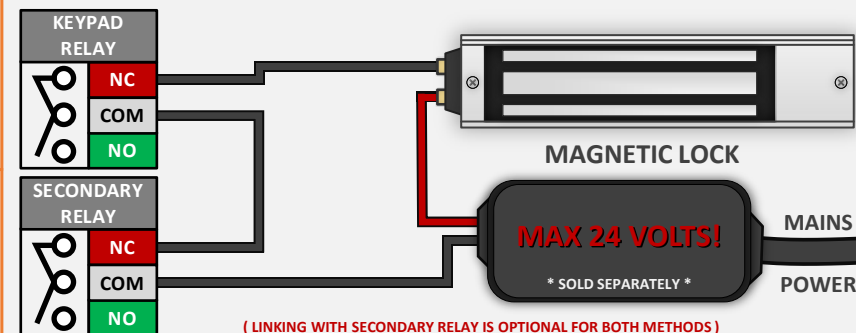
(LINKING WITH SECONDARY RELAY IS OPTIONAL FOR BOTH METHODS)

AES KPX1200
- Analog Keypad

AES GLOBAL

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

* WARNING : DO NOT TURN OFF POWER WHILE THE KEYPAD IS IN PROGRAMMING MODE AS THIS MAY CORRUPT DATA *

KEYPAD PROGRAMMING

Note: Programming can only begin 60 seconds after powering the device on. *** UNLESS OVERRIDDEN ***
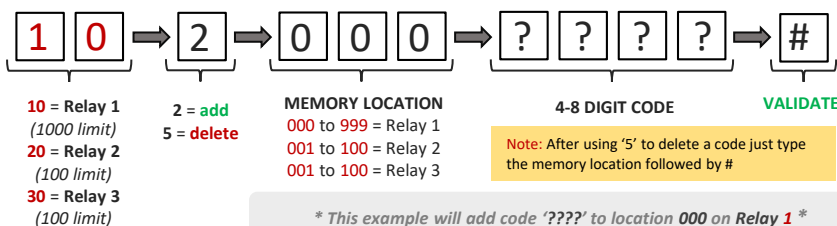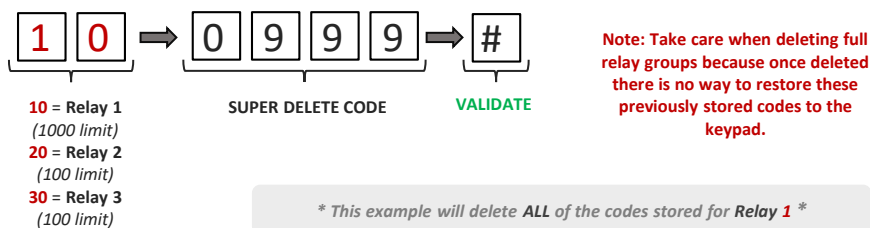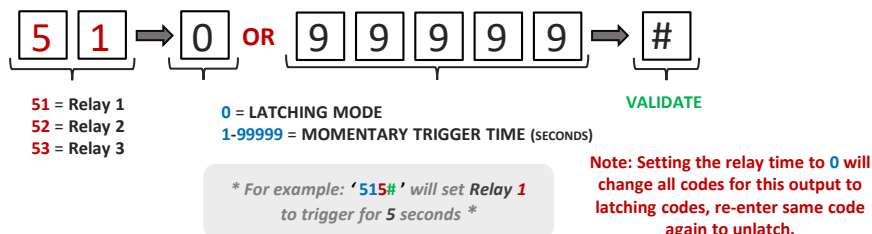
1) Enter programming mode:

`0` `0` `0` `0` ➡ `*` `*`

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:

`1` `0` ➡ `2` ➡ `0` `0` `0` ➡ `?` `?` `?` `?` ➡ `#`

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

4-8 DIGIT CODE

VALIDATE

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:

`1` `0` ➡ `0` `9` `9` `9` ➡ `#`

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

SUPER DELETE CODE | VALIDATE

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:

`5` `1` ➡ `0` OR `9` `9` `9` `9` `9` ➡ `#`

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

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

VALIDATE

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

KEYPAD PROGRAMMING CONTINUED

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

`0` `2` ➡ `?` `?` `?` `?` ➡ `#`

LOCATION | 'SUPER' CODE | VALIDATE

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
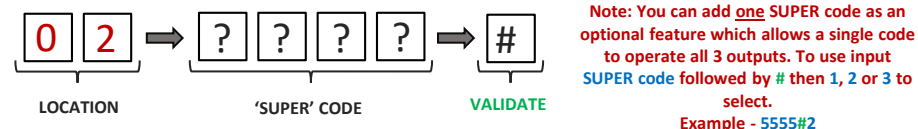
6) Change the programming code:

`0` `1` ➡ `?` `?` `?` `?` ➡ `#`

LOCATION | 4-8 DIGIT CODE | VALIDATE

* ALWAYS MAKE NOTE OF NEW CODE ONCE CHANGED *

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.
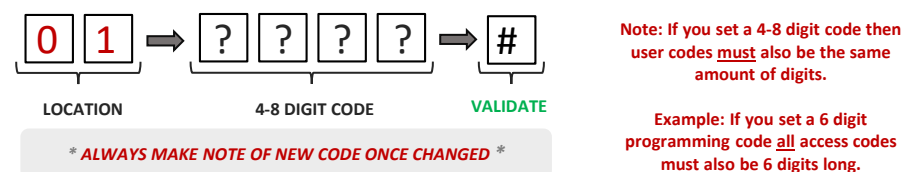
(OPTIONAL PROGRAMMING FOR PROX MODELS ONLY)

7) Adding a new PROX card or tag:

`1` `0` ➡ `1` ➡ `0` `0` `1` ➡ PROX CARD ➡ `#`

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

SWIPE PROX CARD or TAG

VALIDATE

** This example will add a PROX card/tag to location **001** on Relay **1** **
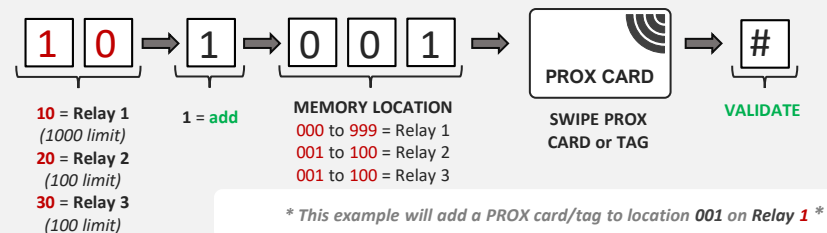
8) Deleting a new PROX card or tag:

`1` `0` ➡ `5` ➡ `0` `0` `1` ➡ `#`

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

VALIDATE

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 (**D**irectly **A**ccess **P**rogramming 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.