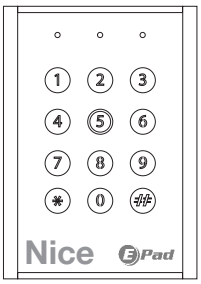
Nice

EPad

Stand-alone Hardwired Access Control Keypad



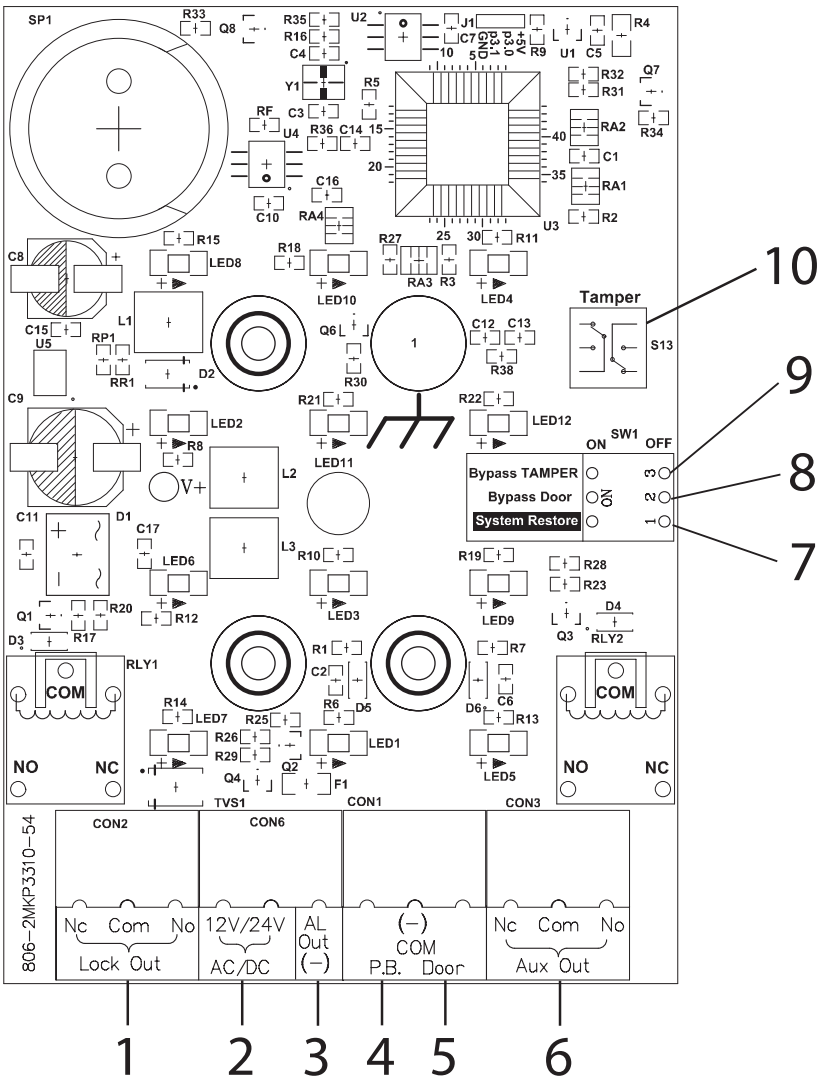
Features:

- Stainless steel and cast zinc alloy construction for resistance against weathering and vandalism.
- Each key is backlit.
- Built-in tamper switch monitoring.
- Door open/closed monitoring input.
- Independent alarm output.
- Free exit push button input.
- Anti-hacking, multiple incorrect code input lock-out and alarm.
- Each relay output can be independently setup to latch or pulse.
- Each relay output offers both N/O and N/C contacts.
- Relay 2 (Aux output) can be assigned to activate;
  - Simultaneously with Relay 1 (Lock output). Where each relay will respond, as per its independent latch or pulse setting.
  - When the door monitoring circuit is activated.
  - When the tamper switch is activated.
  - When the * key is activated. (Doorbell)
  - When multiple incorrect codes have been entered consecutively.
  - When Aux code is entered.
- Each relay has its own LED indicator for relay status indication at a glance.
- Relay 1 (Lock output) can be activated to latch on temporarily while in pulse mode, using the unique “Bypass” code.

Specifications:

Operating voltage:	12 - 24v AC/DC
Maximimum standby current:	100mA
Maximum load on dry contact relay outputs:	3A @ 24v (Non-inductive loads only)
Maximum load on alarm output:	500mA @ DC 12v
Minimum code length:	4 digits
Maximum code length:	8 digits
Maximum number of user codes on Relay 1 (Lock output):	98
Maximum number of user codes on Relay 2 (Aux output):	1
Maximum number of user codes on Bypass function:	1
Relay 1 (Lock output) Pulse length:	1 > 99 seconds
Relay 2 (Aux output) Pulse length:	1 > 999 seconds
Dimensions:	120(H) x 78(W) x 35(D)
Ingress protection.	IP65

Component Identification:



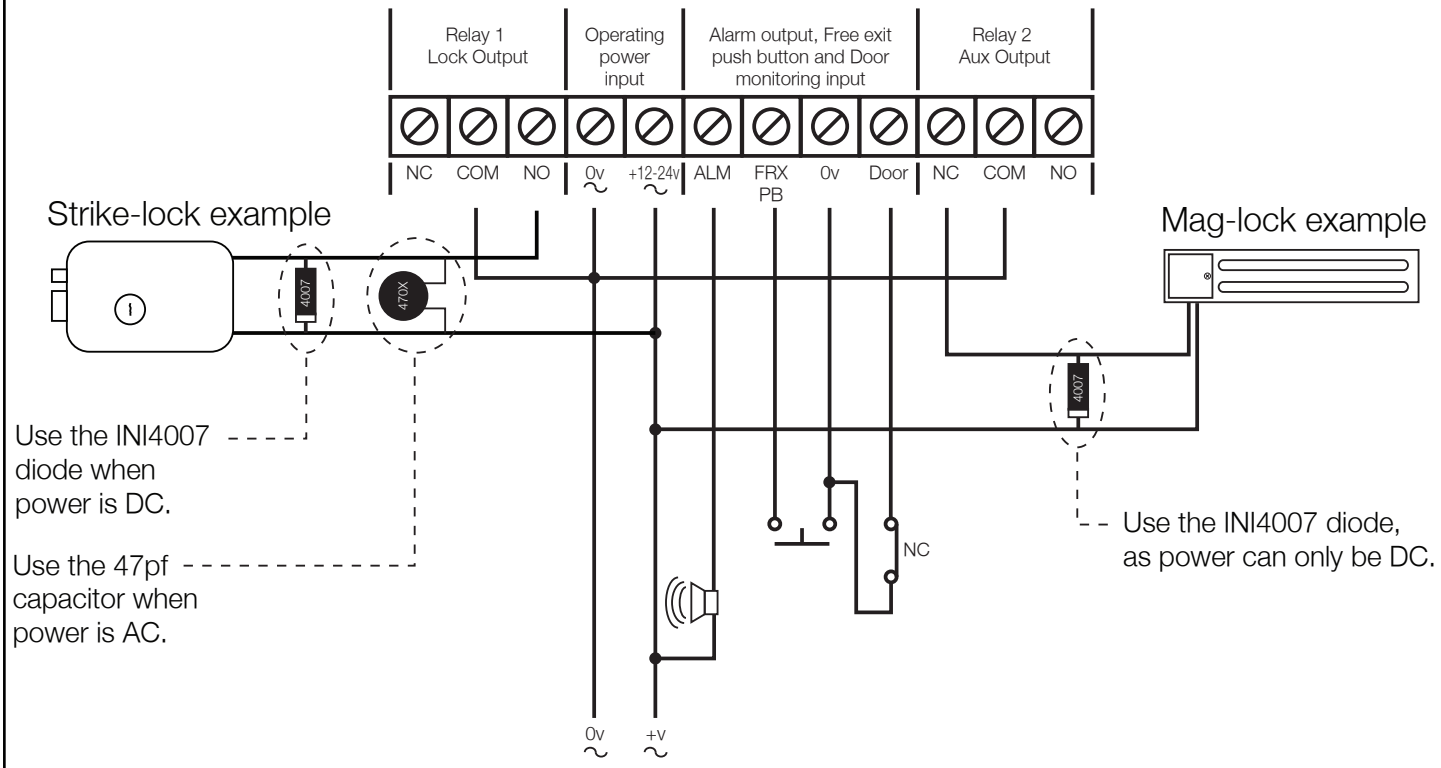
1. Relay 1 (Lock Output) terminal connections.
2. Operating power input terminal connections.
3. Alarm output terminal connection.
4. Free-exit pushbutton input terminal connection.
5. Door open/closed monitoring switch input terminal connection.
6. Relay 2 (Aux Output) terminal connections.
7. System Restore (Factory Default) dipswitch.
8. Bypass Door monitoring,dipswitch.
9. Bypass Tamper switch monitoring, dipswitch.
10. Built-in tamper switch.

System restore (Factory default):

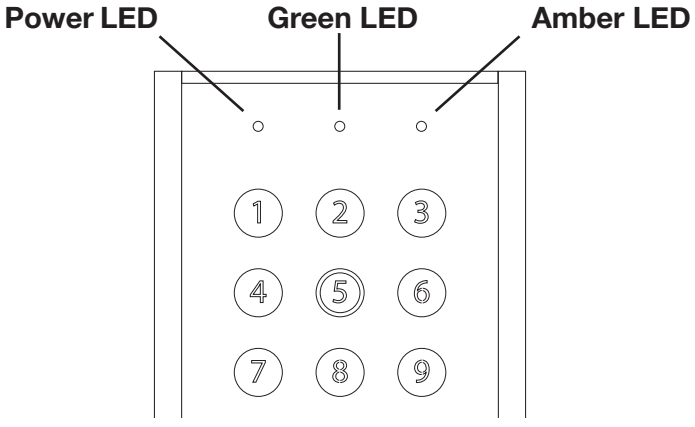
1. Remove power.
2. Switch “System restore” switch on.
3. Re-apply power.
4. Wait for buzzer to tone conitinuously.
5. Switch “System restore” switch off.

All settings and features are now returned to factory status. All user codes and the master code have been reset to factory default.

Wiring:



LED Indications:		
Power LED	**Green LED Relay 1 (Lock output)**	**Amber LED Relay 2 (Auxiliary output)**
Red = Normal operating mode	On = relay active	On = relay active
Yellow = Programming mode active	Off = relay inactive	Off = relay inactive
	Flashing = Alarm activated since last valid user entered/exited. Enter any valid user code twice to clear alarm memory.	



Master code:

- The master code is only used to access programming mode. (Default master code = 1234)
- The master code can be 4 to 8 digits in length.
- The number of digits used for the master code will determine the length of all user codes (Lock, Aux and bypass users) i.e. the default master code is 1234. Therefore all user codes will be 4 digits long unless the master code is changed.

- If the master code length is changed after user codes have already been programmed, the following will occur.
  - Master code shortened – the last digits of the user code will be dropped making the user codes the same length as the master code.
    I.e. the old master code was 123456 and user 01 was 987654.
    New master is 1234. User 01 becomes 9876.

  - Master code length increased – zeros will be added to the end of all user codes so that the user codes are equal in length to the master code.
    I.e. old master code was 1234 and user 01 was 9876
    New master code = 123456. User 01 becomes 987600

- Keep a record of all codes and never attempt to program a duplicate of another code already in the keypad.
  I.e. user 01 code cannot be the same as the master code.

Other points to note before programming:

- You cannot enter programming mode if one of the relays is active.
- You cannot enter programming mode if the tamper switch is active. Close up the keypad housing first or bypass the tamper switch monitoring using the dip-switch.
- To exit programming, at any stage, press the # key.

Setup a new master code: (Default = 1234)

Type in - Current Master Code + Current Master Code *(chime tone)* + * + 00 + New 4 to 8 digit Master Code + # *(chime tone)*

I.e. To change the master code to 4321:

Type in - 1234 1234 * 00 4321 #

Setting up users 1 to 19 codes for relay 1 (Lock output): (User 1 default = 3333)

Type in - Master Code + Master Code *(chime tone)* + * + two digit user number + New User Code *(chime tone)*

I.e. To setup a single user code (example user 01 to 8282): - 1234 1234 * 01 8282 #

I.e. To setup multiple user codes: - 1234 1234 * 01 8282 * 02 2222 * 03 3333……..#

Setup code to activate the relay 2 (Aux output): (Default = 9999)

NB! When programming a new code for the Auxiliary relay, the new code replaces the old code, with no need to erase the old code.

Type in - Master Code + Master Code *(chime tone)* + * + 40 + New Auxiliary Code *(chime tone)* + #

I.e. To setup Aux relay code to 2222:- 1234 1234 * 40 2222 #

Deleting relay 1 (Lock output) user codes:

Deleting an individual user code;

Type in - Master Code + Master Code *(chime tone)* + * + 50 + two digit user number *(chime tone)* + #

Deleting all user codes; (User 01 defaults to 3333)

Type in - Master Code + Master Code *(chime tone)* + * + 50 + 00 *(chime tone)* + #

Setup type or pulse length of relay 1 (Lock output): (Default = 1 sec.)

Set for Latch mode;

Type in - Master Code + Master Code *(chime tone)* + * + 20 + 00 *(chime tone)* + #

Set for pulse mode and set pulse length;

Type in - Master Code + Master Code *(chime tone)* + * + 20 + 01 for 1 sec…….99 for 99sec *(chime tone*) + #

Setup type or pulse length of relay 2 (Aux output): (Default = Latch mode)

Set for Latch mode;

Type in - Master Code + Master Code *(chime tone)* + * + 58 + 000 *(chime tone)* + #

Set for pulse mode and set pulse length;

Type in - Master Code + Master Code *(chime tone)* + * + 58 + 001 for 1 sec…….999 for 999sec *(chime tone*) + #

Enable the incorrect code attempt lock out (Anti-hacking) feature: (Default = Disabled)

Keypad disables keystrokes for 30 sec. after 5 incorrect code entries or if 20 consecutive incorrect keystrokes have been entered. NB! Typing # between keystrokes restarts the incorrect keystroke counter.

Type in - Master Code + Master Code *(chime tone)* + * + 51 *(chime tone)* + #

Repeat this to de-activate again.

Enabale the Bypass code function: (Default = Disabled)

NEVER USE WITH SOLENOID TYPE STRIKERS or LOCKS!

When the Bypass code is entered, Relay1/Lock output latches on until the bypass code is re-entered or when the FRX push-button is used.

Enable the bypass code function:

Type in - Master Code + Master Code *(chime tone)* + * + 52 + 1 *(chime tone)* + #

Disable the bypass code function:

Type in - Master Code + Master Code *(chime tone)* + * + 52 + 0 *(chime tone)* + #

Setup bypass code: (Default = None)

Type in - Master Code + Master Code *(chime tone)* + * + 54 + New unique bypass code *(chime tone)* + #

Advanced Programming Options and Quick Reference Table

	Need	Action	Factory Default
	Enter programming	Master code + Master code	1234
Master and user codes	Change Master code	*00 + New master code	
	Set user codes 01 - 19 (Relay 1/Lock output only)	*2 digit user code + New unique user code. *Code must be the same length as the master code.*	01 = 3333
	Set user codes 20 - 39 and 41 - 98 (Relay1/Lock output only)	*6 + 2 digit user code + New unique user code. *Code must be the same length as the master code.*	None
	Set user code 40 (Relay 2/Aux output only)	*40 + New unique user code. *Code must be the same length as the master code.*	9999
	Delete user codes	*50 + 00 (For all user codes) *50 + 2 digit user number (For independent users)	01 = 3333 if all deleted
Relays setup	Setup latch or pulse length. (Relay 1/Lock output)	*20 + 00 = Latch mode or 01 = 1 sec, 02 = 2 sec....99 = 99 sec.	1 Second
	Setup latch or pulse length. (Relay 2/Aux output)	*58 + 000 = Latch mode or 001 = 1 sec, 002 = 2 sec....999 = 999 sec.	Latch mode
Bypass setup	Enable bypass mode	*52 + 1	Disabled
	Disable bypass mode	*52 + 0	Default
	Set bypass code	*52 + New unique bypass code	None
Alarms and Security	Enable multiple incorrect code lock-out. (Anti-hacking feature)	*51 to toggle between enabled or disabled	Disabled
	Disable Alarm output mode	*55 + 0	Disabled
	Door monitoring - forced open or jammed open alarm	*55 + 1 (Door open time = Relay 1/Lock output pulse length	Disabled
	Tamper alarm	*55 + 2	Disabled
	Tamper and door monitor alarm	*55 + 3	Disabled
	Alarm active time	*56 + 001 for 1 sec,002 for 2 sec.....999 for 999 sec	Disabled
Auxiliary Output (Relay 2)	Disable Aux output	*57 + 0	Enabled
	Aux output to activate when door monitor input is triggered (FRX for Aux output)	*57 + 1	Disabled
	Aux output to activate when anti-hacking is triggered	*57 + 2 (Not functional if Relay 2/ Aux output is set to latch mode)	Disabled
	Aux output to activate when * key is pressed. (Doorbell function)	*57 + 3	Disabled
	Aux output to activate when tamper is triggered	*57 + 4	Disabled
	Aux output to activate when door is forced or jammed open	*57 + 5	Disabled
	Aux output to activate when Relay1/Lock output is activated	*57 + 6	Disabled
	Aux output to activate when user 40 code is entered	*57 + 7	Enabled

Using the Keypad

Normal operation:

To activate Relay1/Lock output, simply type in a valid code for that relay or press and release the free exit push button if one has been installed:

-The relay will activate in the manner setup by the installer.
-The green LED indicator will activate as per the relay.

To activate Relay2/Aux output, simply type in the valid code for that relay or press and release the free exit push button if this function has been configured and installed:

-The relay will activate in the manner setup by the installer.
-The yellow LED will activate as per the relay.

Alarm Monitoring Function:

If the alarm monitoring has been set up by the installer, and an alarm condition occurs, the following will happen;

- Alarm output activates,
- Built in buzzer sounds,
- Green LED begins flashing.

The follow alarm conditions are available:

- Door opened without a valid code entry first. (Door forced alarm)
- Door not closed by the time the Relay1/Lock output returns to standby status. (Door jammed open alarm)
- Keypad housing opened. (Tamper alarm)

After the alarm time (set by the installer) has expired, the alarm output and the built in buzzer resets. However, the flashing green LED continues until the first valid user code is entered into the keypad. This way the user is made aware that an alarm condition occurred even after the built in buzzer and alarm output have reset.

Bypass Function:

TO AVOID OVERHEATING OF THE SOLENOID, NEVER USE THIS FUNCTION WITH ELECTRO-MECHANICAL STRIKERS or LOCKS!

In cases such as an office park or school gate automation, that needs to temporarily be kept open to allow for peak traffic periods, this function can be used.

This function requires a dedicated code which is set up by the master code holder.

When the bypass code is entered, Relay 1/Lock output will latch on until either the same code is entered again or the free exit push button is pressed.

While the bypass function is active, no other Relay 1/Lock output user code will release the relay.

This function is also useful where a magnetic lock is installed.

WARRANTY:

1. All goods manufactured by Nice Group SA (Pty) Ltd carry a 12 month factory warranty from date of invoice.
2. All goods are warranted to be free of faulty components and manufacturing defects.
3. Faulty goods will be repaired or replaced, at the sole discretion of Nice Group SA (Pty) Ltd, free of charge.
4. This warranty is subject to the goods being returned to the premises of Nice Group SA (Pty) Ltd.
5. The carriage of goods is for the customer's account.
6. This warranty is only valid if the correct installation and application of goods, as laid out in the applicable documentation accompanying said goods, is adhered to.
7. All warranty claims must be accompanied by the original invoice.
8. All claims made by the end user must be directed to their respective service provider/installer.

The following conditions will disqualify this product from the warranty as laid out above. These conditions are non- negotiable.

1. Any unauthorized non-manufacturer modifications to the product or components thereof.
2. Any modification to the installation methods described in the installation instructions.
3. Any application or use of the product other than the intended use and application prescribed in the product documentation.

The following items are not included in the warranty or they carry a special warranty condition of their own.

1. Damage resultant of wind and other climatic influences such as lightning strikes.
2. Damage due to high voltage surges.
3. Damage due to infestation i.e. Ants nesting…
4. Water damage. It is the responsibility of the installer to ensure the product is installed in a location that is protected from water ingress. The ingress protection rating is specified in the accompanying documentation. Housings that require that cable entries be made by the installer do not carry an ex-factory ingress protection rating as it is the responsibility of the installer to seal the cable entry points after installation of the cabling.