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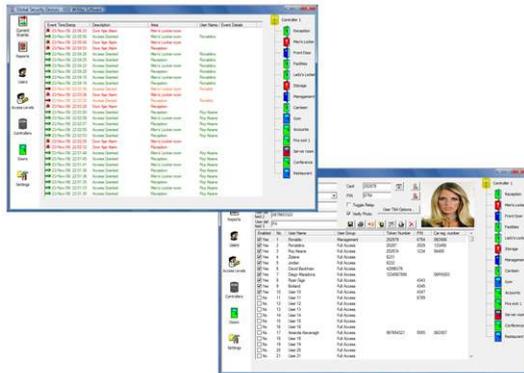
global security devices



“Wireless Network System”



GSD Wi-Enterprise/Wi-Plus System is the next generation in access control solutions. It provides a Wireless Network throughout the premises, giving the convenience and security of a fully networked system for a fraction of the cost.



For more information on the Wireless Network System visit our website www.globalsecurity.ie

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GSD 2 door digital keypad

No. 1 Turnpike Business Park,
Ballymount,
Dublin 22, Ireland.
Telephone: +353 1 524 2691.
Fax: +353 1 4430 430.

Installation & User Manual v2.01

Technical Specs

Power Supply	12 - 24V AC or DC
Current consumption	100mA
Current consumption with load (max)	130mA
Relay Contact Rating	5 Amps /240V ac
Operating Temperature	- 20°C to +60°C
Moisture Resistance	IP 67
Dimensions - Flush Mount	W. 87mm D. 21mm H. 119mm
- Surface Mount	W. 87mm D. 35mm H. 119mm
Number of Users	50

Factory Default PIN codes

The following PIN codes are the Factory Default Settings:

- User PIN '1111' will grant access on door 1
- User PIN '2222' will grant access on door 2
- The Default Engineer code is '6666'

Note: These User PINs ('1111','2222') are deactivated when the first User PIN is added to the keypad.

Restoring Factory Settings

Code	Description
55	Restore Factory Default Settings

Example:  +  + 

Note: If Engineer code is lost, Remove the Security Caps (see Page 7) and hold down the X key during power-up and enter the default Engineer code '6666' immediately. This will restore the factory settings.

Adding and Removing User PINs

Code	Description
01	Add a Standard User/Toggle User/Manager User PIN to Door 1
02	Add a Standard User/Toggle User/Manager User PIN to Door 2
03	Remove any User PIN

Example: To Add User PIN '5656' to Door 1..

 +  +  + 

Example: To Remove User PIN '4545' from any door..

 +  +  + 

Example: To Add Toggle User PIN '1234' to Door 2..

 +  +  + 

Example: To Add Manager User PIN '5678' to Door 2..

 +  +  + 

Changing Relay Times and Engineer Codes

Code	Description	Default Settings
10	Change the Number of PIN Digits	4 digit PIN (4,5,6 only)
11	Change the Engineer Code	6666
12	Change the Relay Active Time Door 1	5 seconds (0-255)
13	Change the Door Ajar Time	30 seconds (2-255)
14	Change the Guest Buzzer Time	3 seconds (1-10)
15	Change the Relay Active Time Door 2	5 seconds (0-255)

Note: The Number of PIN digits can not be reduced once a User Pin has been added.

Example: To Change the Engineer Code..



Example: To Change the Relay Active Time to 14 seconds..



Example: To Change the Relay Active Time to a 200msec pulse..



Changing Input/Output Options

Code	Description
30	Change the Input and Output Options

Example:



Table 1

Option	Input 1	Input 2	Input 3	Output 1	Output 2	Wiring Diagrams
0 Default	Door 1 Exit Button	Door 1 Contact	Interlock I/P	Alarm/Buzzer	Interlock O/P	Page 8
1	Door 1 Exit Button	Door 1 Contact	Interlock I/P	Follow Relay 1	Interlock O/P	Page 8
2	Door 1 Exit Button	Door 1 Contact	Alarm Panel I/P	Alarm/Buzzer	Alarm Panel O/P	Page 9
3	Door 1 Exit Button	Door 1 Contact	Fire Alarm Override	Follow Relay 1	Alarm/Buzzer	Page 10
4	Door 1 Exit Button	Door 1 Contact	Door 2 Exit Button	Follow Relay 1	Alarm/Buzzer	Page 11
5	Door 1 Exit Button	Door 1 Contact	Door 2 Exit Button	Follow Relay 1	Follow Relay 2	Page 11

Turning Features ON or OFF

Code	Description	Default Settings
20	Set Silent Operation on/off	Off
21	Set Ajar Alarm on/off	On
22	Set Guest Button on/off	On
23	Set Duress codes on/off	Off
24	Set Toggle Relay on/off	On
25	Set Door Forced Alarm on/off	On
26	Set Anti-Tail Gate on/off	Off
27	Set Constant Backlight on/off	On
28	Set Invalid PIN Lockout on/off	On (3 Retries)

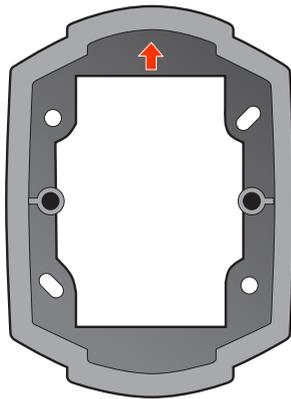
Note: 0 = Off 1 = On

Example: To Set the Backlight to always stay ON...



Example: To Set the Backlight to stay ON for 10 seconds only after a key press...

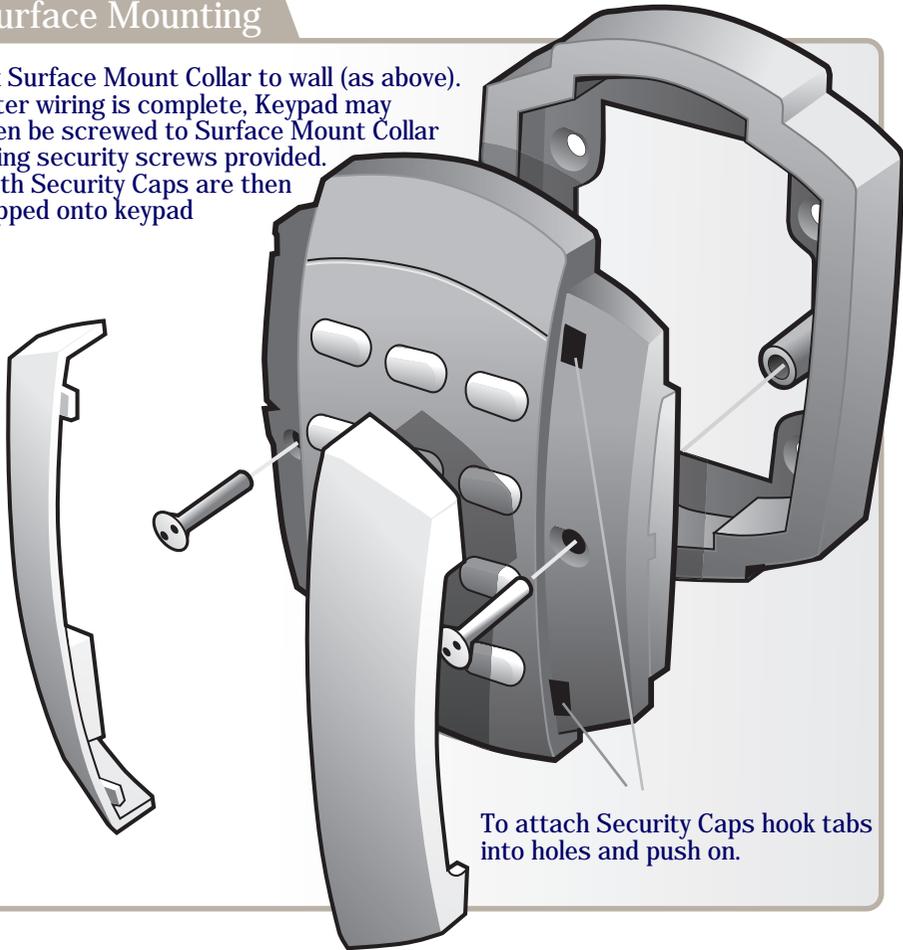




Fix Surface Mount Collar to wall, ensure arrow is pointing upwards

Surface Mounting

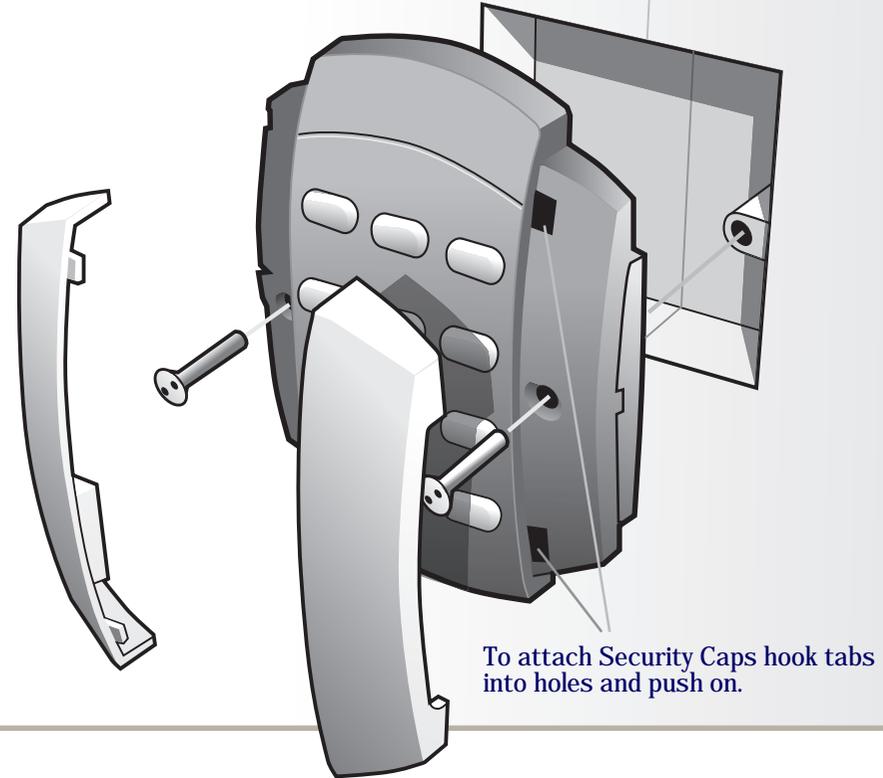
Fix Surface Mount Collar to wall (as above). After wiring is complete, Keypad may then be screwed to Surface Mount Collar using security screws provided. Both Security Caps are then clipped onto keypad



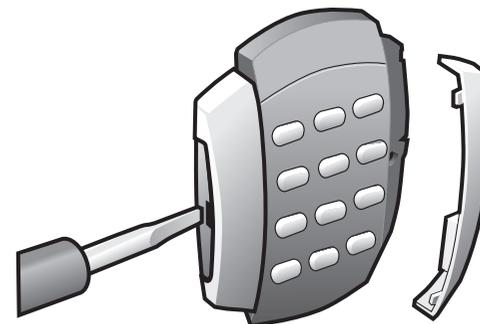
To attach Security Caps hook tabs into holes and push on.

Flush Mounting

Keypad is mounted to pattress box using security screws provided. Both Security Caps are then clipped onto Keypad.

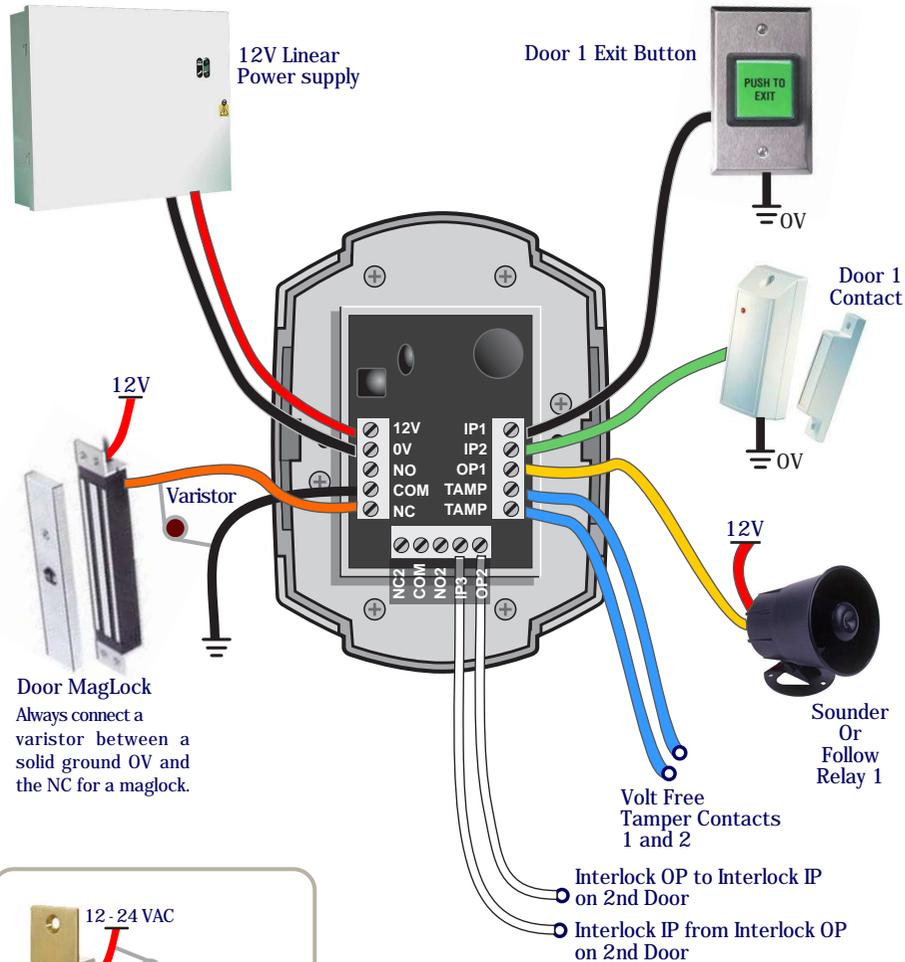


To attach Security Caps hook tabs into holes and push on.



To release Security Caps push a screwdriver into slots on the side and pull forward.

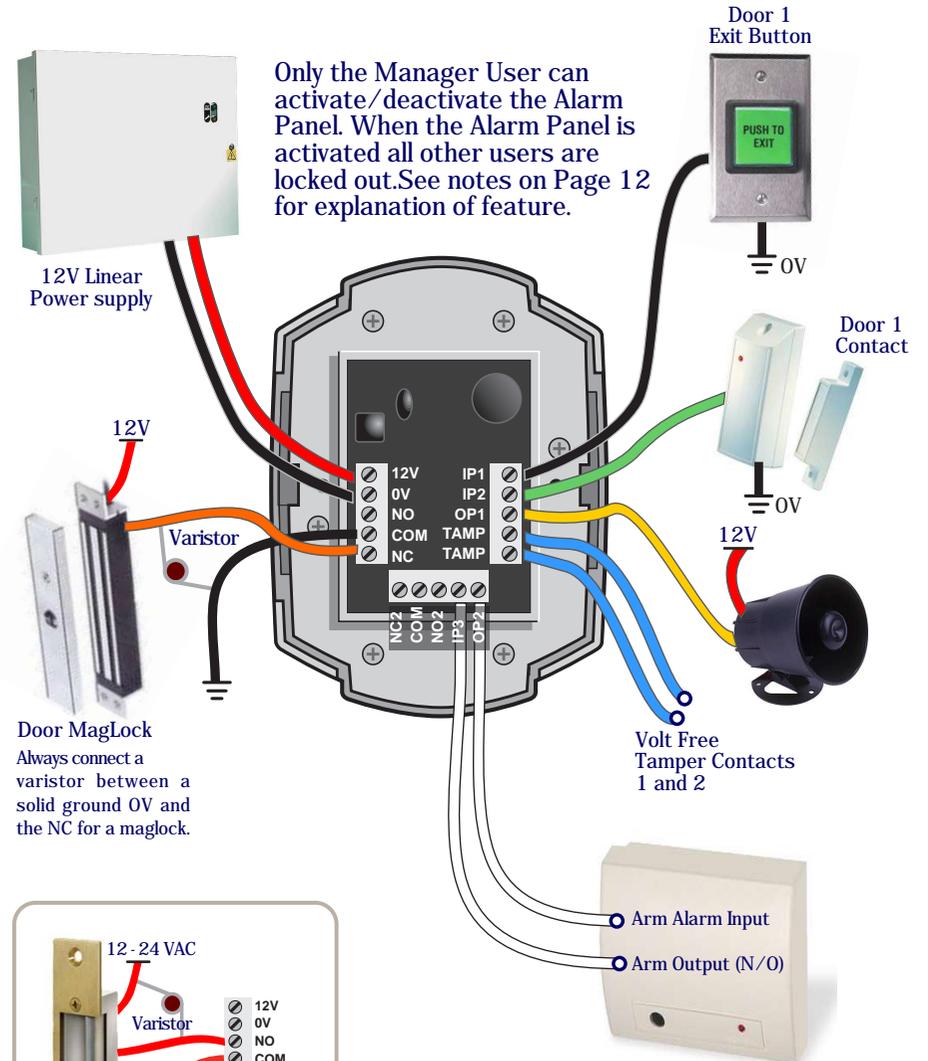
Wiring Diagrams for Door 1 with Interlock connections



Wiring for StikeLock only using 12 - 24VAC supply

Note: All 0V shown in the diagram are connected to 0V at the back of the keypad terminal block.

Wiring Diagrams for Door 1 with Alarm Panel Connections



Only the Manager User can activate/deactivate the Alarm Panel. When the Alarm Panel is activated all other users are locked out. See notes on Page 12 for explanation of feature.

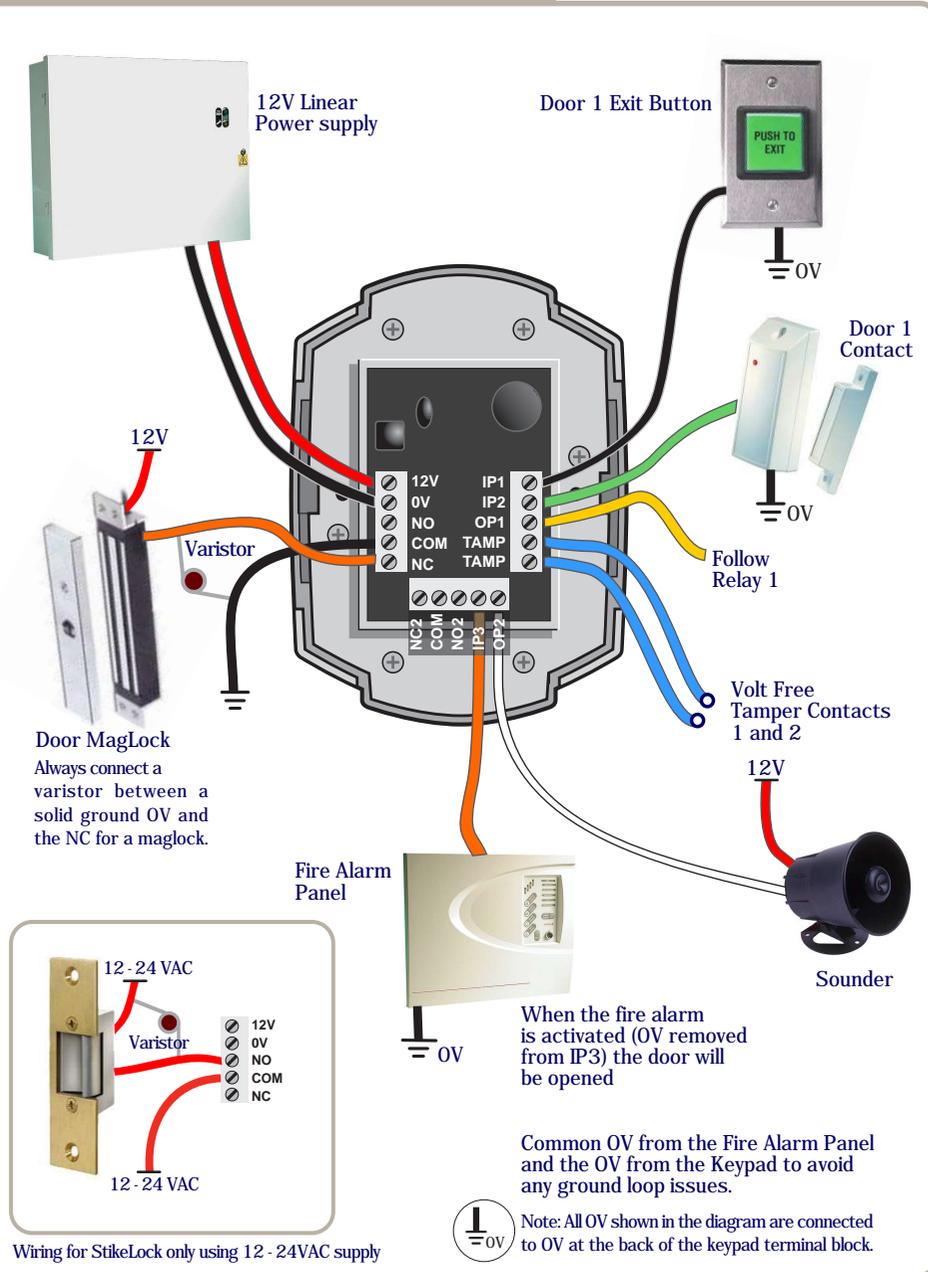
Door MagLock
Always connect a varistor between a solid ground 0V and the NC for a maglock.

Common 0V from the Intruder Alarm Panel and the 0V from the Keypad to avoid any ground loop issues.

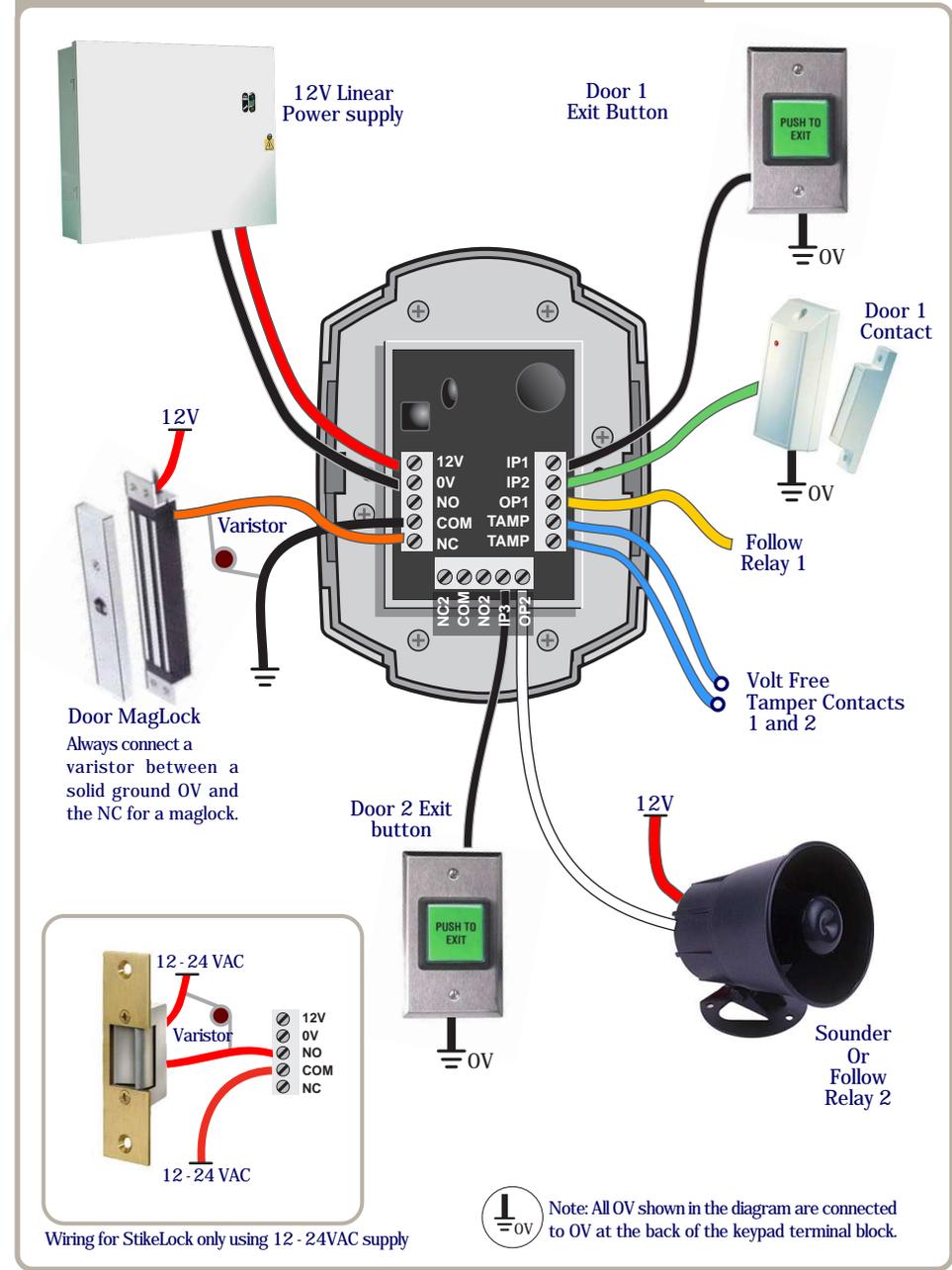
Wiring for StikeLock only using 12 - 24VAC supply

Note: All 0V shown in the diagram are connected to 0V at the back of the keypad terminal block.

Wiring Diagrams for Door 1 and Fire Alarm Override



Wiring Diagrams for Door 1 and Door 2



Notes:

Invalid PIN Lockout – Entering an invalid PIN 3 times will lockout the keypad for 15 seconds. All lights will flash during this time. Turning this feature off reduces the security of the keypad.

Number of PIN Digits – The number of digits each User PIN will contain.(4 or 5 or 6). The number of digits can not be reduced after a User PIN has been added. If the number of PIN digits is increased then add leading Zeros to existing PIN's. E.G if increasing PIN digits from 4 to 5 then existing PIN code '1234' changes to '01234'

Relay Active Time – This is the amount of time the relay will remain active. Entering 0 for the relay active time will generate a 200millisecond pulse .

Ajar Alarm – This alarm will activate if the door is open longer than the Door Ajar Time.

Door Forced Alarm – This alarm will activate if the door contact is forced open.

Anti-Tail Gate – If this option is set, the door relay time is shortened to 2 seconds.

Guest Button - If this option is set, then the tick key can be used to sound the buzzer.

Silent Operation - If this option is set, then all audible tones are silenced.

Duress codes - If this option is set, the door will open but the alarm will be activated if the duress PIN code is entered. (duress PIN code is the code above the user PIN code e.g. user code=8888 then duress code=8889).

Toggle Relay - If this option is set, then the door will remain open or closed on each PIN entry for a Toggle User.

Manager User – If the Alarm Panel option is setup using the IO options then only the Manager User will be granted access if the alarm is set.

The Manager User is the only user that can activate or deactivate the Alarm Panel.The RED light Flashes to indicate the Alarm Panel is set. The Manager User must press the 'tick key' and enter a PIN code to activate the Alarm Panel.

To deactivate the Alarm Panel the Manager user enters a PIN code.If the Alarm is deactivated then the Manager User operates as a standard user.

Quick Reference - Menu Codes

Code	Description	Default Settings
01	Add a User PIN to Door 1	1111
02	Add a User PIN to Door 2	2222
03	Remove a User PIN	
10	Change the Number of PIN Digits	4 digit PIN (4,5,6 only)
11	Change the Engineer Code	6666
12	Change the Relay Active Time Door 1	5 seconds (0-255)
13	Change the Door Ajar Time	30 seconds (2-255)
14	Change the Guest Buzzer Time	3 seconds (1-10)
15	Change the Relay Active Time Door 2	5 seconds (0-255)
20	Set Silent Operation on/off	Off
21	Set Ajar Alarm on/off	On
22	Set Guest Button on/off	On
23	Set Duress codes on/off	Off
24	Set Toggle Relay on/off	On
25	Set Door Forced Alarm on/off	On
26	Set Anti-Tail Gate on/off	Off
27	Set Constant Backlight on/off	On
28	Set Invalid PIN Lockout on/off	On (3 Retries)
30	Change the Input and Output Options	0
55	Restore Factory Default Settings	

3 Step Quick Setup :

Step 1, Restore Factory Default Settings..



Step 2, Change the Engineer Code..



Step 3, Add a User PIN to Door 1 and then another User PIN to Door 2.



User Administrator

User Location	User Name	PIN Number
1		
2		
3		
4		
5		
6		
7		
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11		
12		
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14		
15		
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18		
19		
20		
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22		
23		
24		
25		

User Location	User Name	PIN Number
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