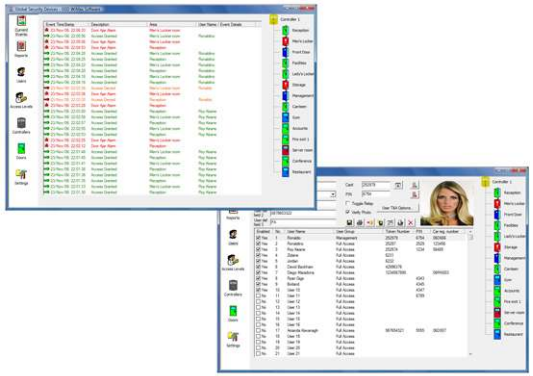
YOUR SECURITY IS OUR PRIORITY

Other products from GSD

"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

Features

Controls 1 Door
50 Users
Door Monitoring via Door Contact
Tamper Resistant
Easy Programming
Programmable Settings:
- Number of PIN code Digits
- Engineer Code
- Relay Active Time
- Door Ajar Time
- Door Bell Time
- Silent or Audible Operation
- Duress PIN Codes
- Door Toggle Operation
- Door Forced Alarm
- Anti-Tail Gate Operation
- Keypad Backlight
- Invalid PIN Lockout
- Inputs / Outputs Options

Indoor / Outdoor Use - IP 67
Robust Polycarbonate Housing
Mounts onto Standard Electrical Patress Box

GSD 1 door digital keypad

Global Security Devices Ltd
No. 3 Broomhill Business Complex,
Tallaght, Dublin 24, Ireland.
Telephone: +353 1 524 2691.
Email: info@globalsecurity.ie
www.globalsecurity.ie

Installer Name :

Contact Details :

Installation Date :

Operation Instruction:

Enter PIN code to Open Door

Detach outer pages
and give to end user.

User Administrator

User	User Name	PIN Number
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

Detach outer pages
and give to end user.

Administration Notes

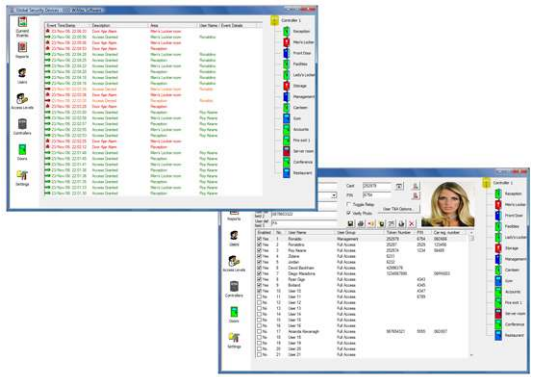
User	User Name	PIN Number
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		

YOUR SECURITY IS OUR PRIORITY

Other products from GSD

"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

Contents

GSD 1 door digital keypad

Installation & User Manual V2.04

Global Security Devices Ltd: No.3 Broomhill Business Complex, Tallaght, Dublin 24, Ireland, Phone: +353 (1) 524 2691, Email: info@globalsecurity.ie

www.globalsecurity.ie

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

Features

Controls 1 Door
50 Users
Door Monitoring via Door Contact
Tamper Resistant
Easy Programming
Programmable Settings:
- Number of PIN code Digits
- Engineer Code
- Relay Active Time
- Door Ajar Time
- Door Bell Time
- Silent or Audible Operation
- Duress PIN Codes
- Door Toggle Operation
- Door Forced Alarm
- Anti-Tail Gate Operation
- Keypad Backlight
- Invalid PIN Lockout
- Inputs / Outputs Options

Indoor / Outdoor Use - IP 67
Robust Polycarbonate Housing
Mounts onto Standard Electrical Patress Box

Quick Reference - Menu Codes

Code	Description	Default Settings
01	Add a User PIN to Door 1	1111
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	5 seconds (0-255)
13	Change the Door Ajar Time	30 seconds (2-255)
14	Change the Door Bell Time	3 seconds (1-10)
20	Set Silent Operation on / off	Off
21	Set Ajar Alarm on / off	On
22	Set Door Bell 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..

X key then Engineer Code + Code = 55 + ✓

Step 2, Change the Engineer Code..

X key then Engineer Code + Code = 11 + Enter New Engineer Code

Step 3, Add a User PIN.

X key then Engineer Code + Code = 01 + XXXX User PIN + ✓

Factory Default PIN codes

The following PIN codes are the Factory Default Settings:

- The Default Engineer code is '6666'

- User PIN '1111'

Note: The User PIN '1111' is deactivated when the first User PIN is added to the keypad.

Restoring Factory Settings

Code	Description
55	Restore Factory Default Settings

Example: X key then Engineer Code + Code = 55 + ✓

Note: If Engineer Code is lost, Remove the Security Caps (see page 9) and hold down the X key during power-up and enter the default Engineer Code '6666' immediately.This will restore the factory settings.

Adding User PINs

Code	Description
01	Add a Standard User or a Toggle User

Example: To Add User PIN '5656'

X key then Engineer Code + Code = 01 + PIN = 5656 + ✓

Example: To Add Toggle User PIN '1234'

1 = Toggle User

X key then Engineer Code + Code = 01 + PIN = 1234 + 1

Standard User: The Door opens for the duration of Relay Active Time.

Toggle User: The Door remains open permanently on entering the PIN code.The Door will only close after entering the PIN code a second time. Toggle Relay setting must be set to ON to enable this feature.
Warning: Do not use a Toggle User with a strike lock as lock will remain active.

Removing User PINs

Code	Description
03	Remove any User PIN

Example: To Remove User PIN '4545'

X key then Engineer Code + Code = 03 + PIN = 4545 + ✓

Changing Input / Output Options

Code	Description
30	Change the Input and Output Options

Example:

X key then Engineer Code + Code = 30 + Enter 0-1 Refer to Table 1

Table 1

Option	Input 1	Input 2	Output 1	Wiring Diagrams
0 Default	Door Exit Button	Door Contact	Alarm / Buzzer	Page 8
1	Door Exit Button	Door Contact	Follow Relay	Page 8

Follow Relay: OP1 will follow the state of the relay.If the relay is activated then OP1 will also be activated.

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	5 seconds (0-255)
13	Change the Door Ajar Time	30 seconds (2-255)
14	Change the Door Bell Time	3 seconds (1-10)

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

Example: To Change the Engineer Code.

X key then Engineer Code + Code = 11 + New Engineer Code

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

X key then Engineer Code + Code = 12 + 14 Seconds + ✓

Example: To Change the Relay Active Time to a 200msec pulse (set time = 0 secs)

X key then Engineer Code + Code = 12 + 0 Seconds + ✓

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

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

Ajar Alarm Time is the amount of time the door can remain open before activating the alarm.

Door Bell Time is the amount of time the alarm / buzzer output will activate when the tick key is pressed.

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 Door Bell 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.

X key then Engineer Code + Code = 27 + 1 (ON)

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

X key then Engineer Code + Code = 27 + 0 (OFF)

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

Duress Codes - If this option is set, the door will open but the alarm will be activated to an intruder alarm if the duress PIN code is entered. (A 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.

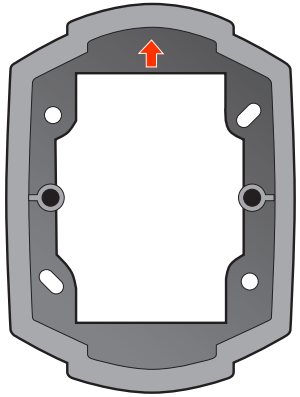
Door Forced Alarm – This alarm will activate if the door contact is forced open.

Anti-Tail Gate – If this option is set, the door relay time is shortened to 2 seconds, after the door contact has opened and then closed.

Constant Backlight – If this option is set, the backlight remains on, otherwise it will turn on only after a key press and switch off after 10 seconds.

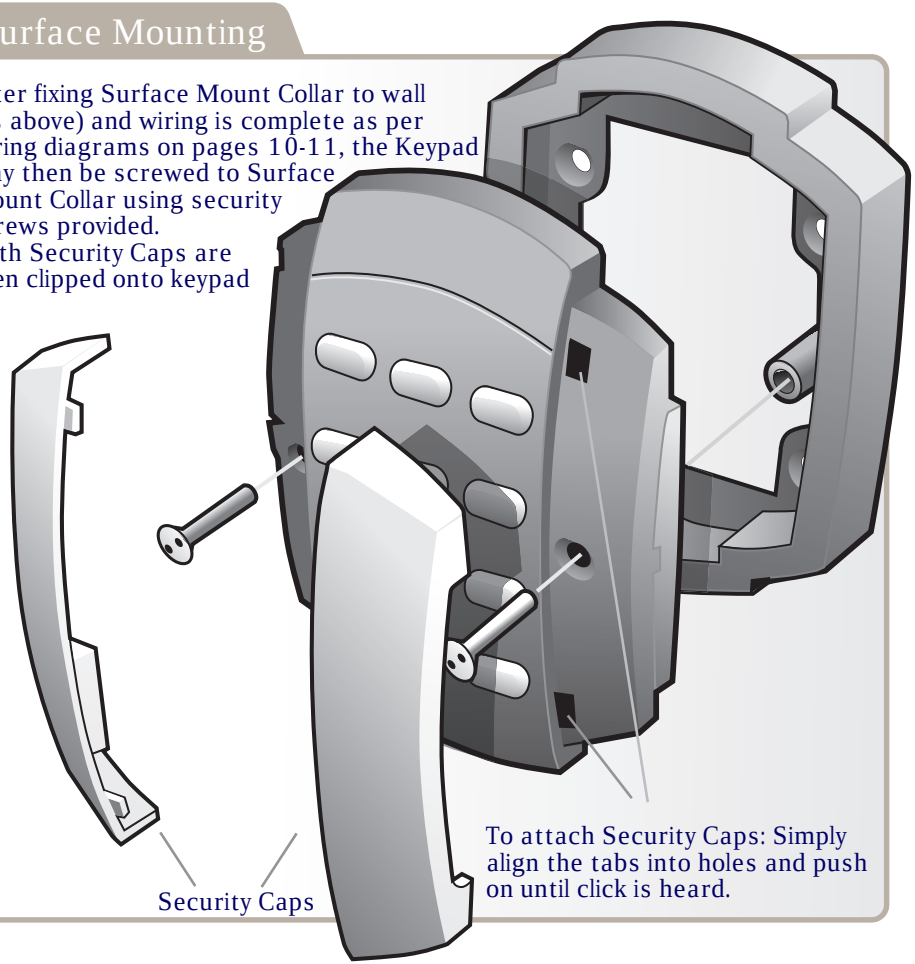
Invalid PIN Lockout – Entering an invalid PIN 3 times will lockout the keypad for 15 seconds. All lights will flash during this time. Turning this feature off reduces the security of the keypad.

When Surface Mounting the Keypad a Surface Mount Collar is required.
- Fix Surface Mount Collar to wall, ensure arrow is pointing upwards



Surface Mounting

After fixing Surface Mount Collar to wall (as above) and wiring is complete as per wiring diagrams on pages 10-11, the Keypad may then be screwed to Surface Mount Collar using security screws provided.
Both Security Caps are then clipped onto keypad

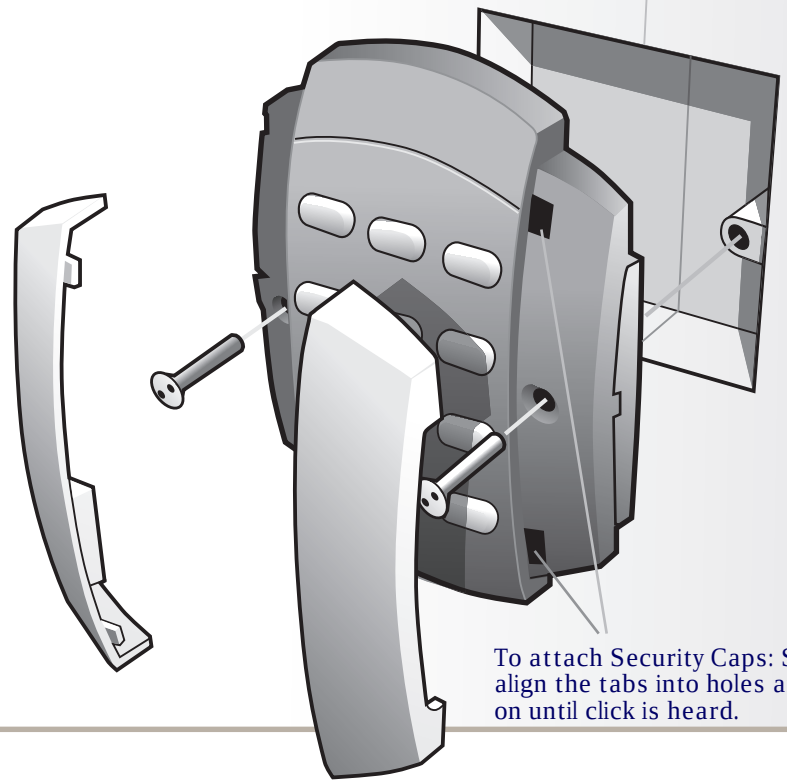


Security Caps

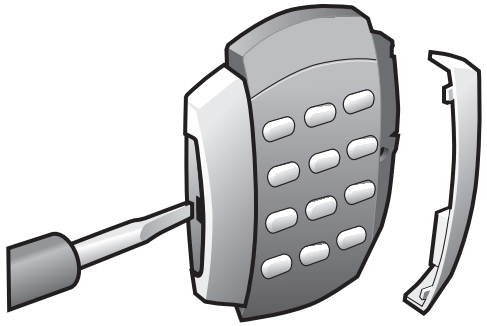
To attach Security Caps: Simply align the tabs into holes and push on until click is heard.

Flush Mounting

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

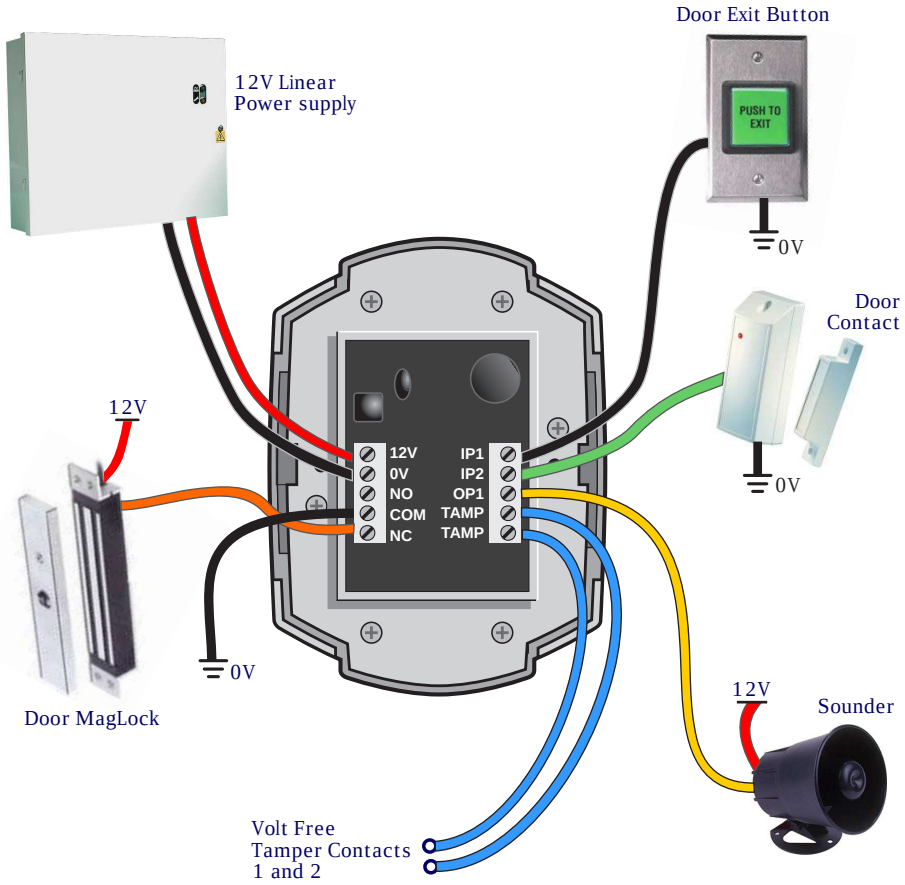


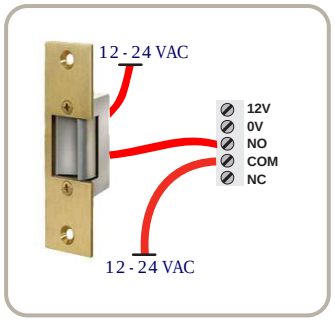
To attach Security Caps: Simply align the tabs into holes and push on until click is heard.



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

Wiring Diagrams Option 0

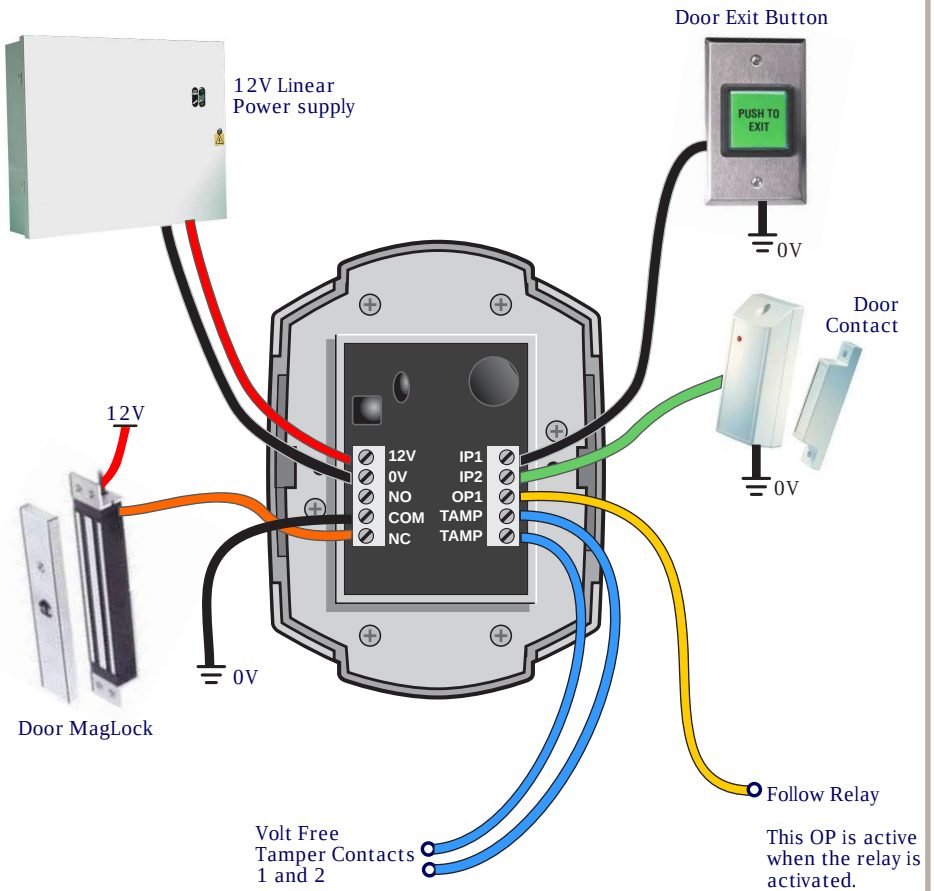


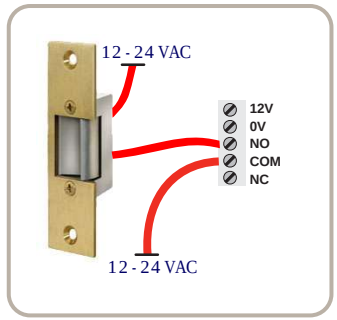


Wiring for StrikeLock using 12 - 24VAC supply

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

Wiring Diagrams Option 1





Wiring for StikeLock only using 12 - 24VAC supply

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