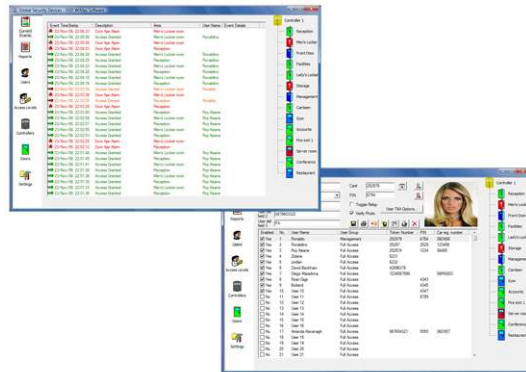# Other products from GSD

"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 2 Door Pin and Proximity

Installation & User Manual V1.00

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	1000

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: (X key then Engineer Code) + (Code = 55) + (✔)

Note: If Engineer code is lost, Remove the Security Caps (see page 11) 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..

(X key then Engineer Code) + (Code = 01) + (PIN = 5656) + (✔)

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

(X key then Engineer Code) + (Code = 03) + (PIN = 4545) + (✔)

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

1 = Toggle User

(X key then Engineer Code) + (Code = 02) + (PIN = 1234) + (1)

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

2 = Manager User

(X key then Engineer Code) + (Code = 02) + (PIN = 5678) + (2)

Adding a Batch of Cards or Fobs

Code	Description
04	Add Batch of Standard Cards/Toggle Cards/Manager Cards Door 1
44	Add Batch of Standard Cards/Toggle Cards/Manager Cards Door 2

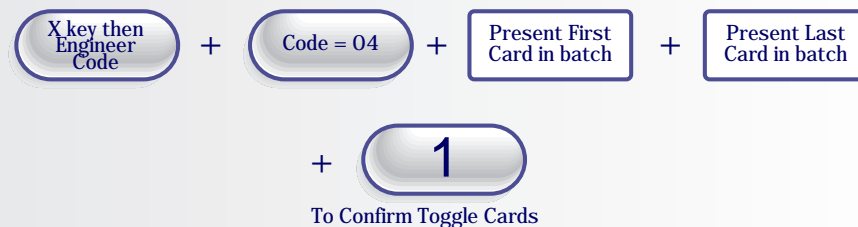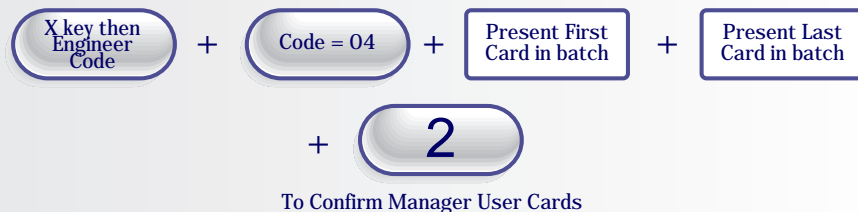### Example: To Add a Single Standard Card...

X key then Engineer Code + Code = 04 + Present new card + Present new card again

+ ✓ To Confirm Standard Card

Example: To Add a Batch of Standard Cards...

X key then Engineer Code + Code = 04 + Present First Card in batch + Present Last Card in Batch

+ ✓ To Confirm Standard Cards

Example: To Add a Batch of Toggle Cards...

X key then Engineer Code + Code = 04 + Present First Card in batch + Present Last Card in batch
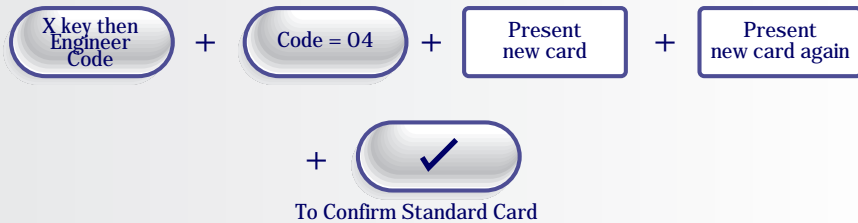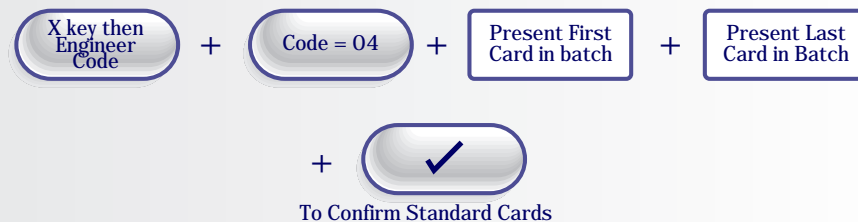
+ 1 To Confirm Toggle Cards

Example: To Add a Batch of Manager User Cards...

X key then Engineer Code + Code = 04 + Present First Card in batch + Present Last Card in batch

+ 2 To Confirm Manager User Cards

Adding User Cards or Fobs using Keypad

Code	Description
06	Add Batch of Cards using Keypad Door 1
46	Add Batch of Cards using Keypad Door 2

Example: To Add a Single Standard Card... (Card number = 00001234)

X key then Engineer Code + Code = 06 + 1234 = Card number + ✓ To Confirm Card #

+ 1234 = Card number + ✓ To Confirm Card # + ✓ To Confirm Standard Card
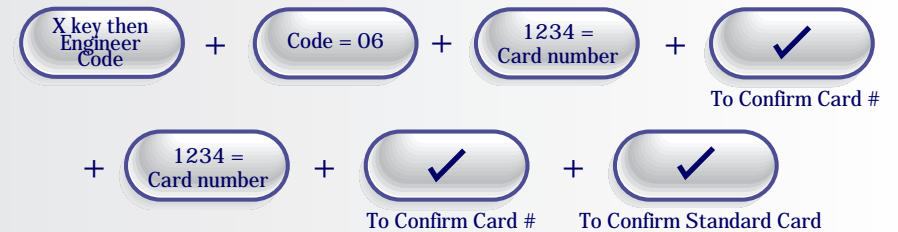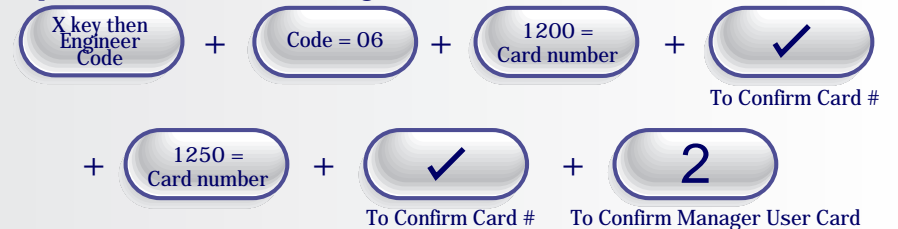
Example: To Add a Batch of Standard Cards... (Batch = 0000200 to 0001000)

X key then Engineer Code + Code = 06 + 200 = Card number + ✓ To Confirm Card #

+ 1000 = Card number + ✓ To Confirm Card # + ✓ To Confirm Standard Cards
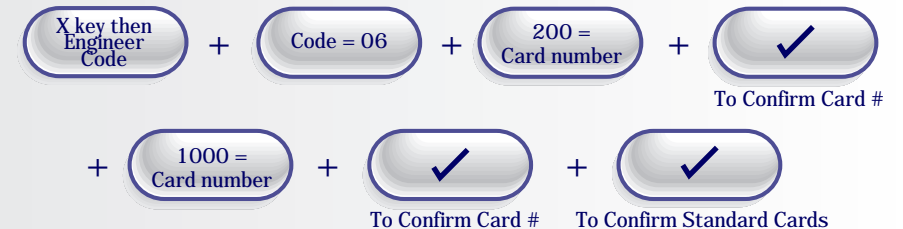
Example: To Add a Batch of Toggle Cards... (Batch = 0003200 to 0004000)

X key then Engineer Code + Code = 06 + 3200 = Card number + ✓ To Confirm Card #

+ 4000 = Card number + ✓ To Confirm Card # + 1 To Confirm Toggle Card
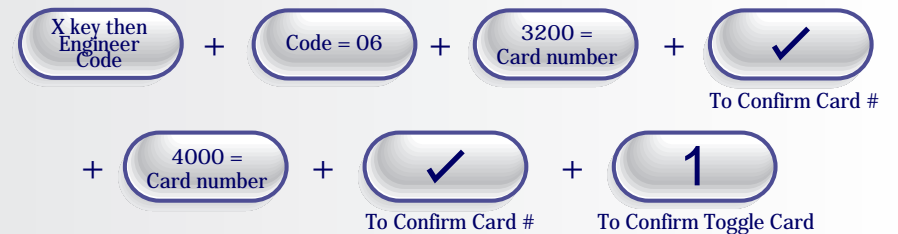
Example: To Add a Batch of Manager User Cards... (Batch = 001200 to 001250)

X key then Engineer Code + Code = 06 + 1200 = Card number + ✓ To Confirm Card #

+ 1250 = Card number + ✓ To Confirm Card # + 2 To Confirm Manager User Card

Adding a Card and PIN

Code	Description
07	Add a Card and a User PIN Door 1
47	Add a Card and a User PIN Door 2

Example: To Add a Card & PIN... (Card number = 00001234, PIN = 4444)

X key then Engineer Code   +   Code = 07   +   Present Card 00001234   +   PIN = 4444

+ ✓

To Confirm Standard Card & PIN
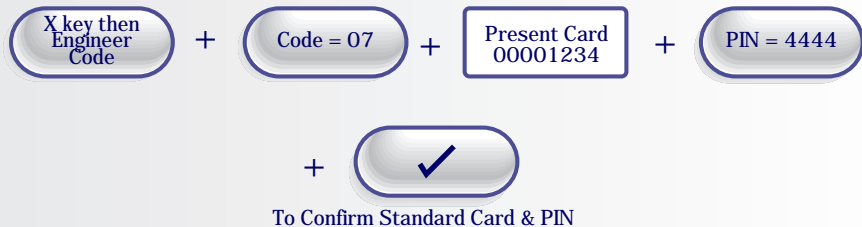
Example: To Add a Toggle Card & PIN... (Card number = 00001234, PIN = 4444)

X key then Engineer Code   +   Code = 07   +   Present Card 00001234   +   PIN = 4444

+ 1

To Confirm Toggle Card & PIN
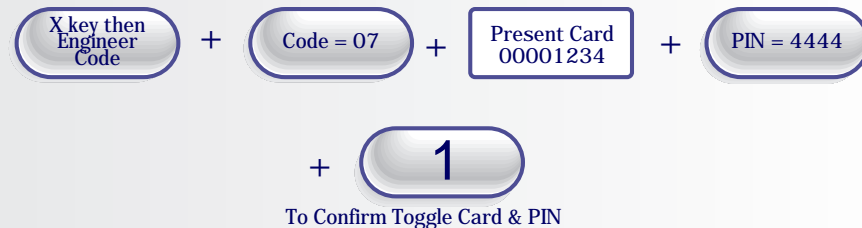
Example: To Add a Mgr User Card & PIN... (Card number = 00001234, PIN = 4444)

X key then Engineer Code   +   Code = 07   +   Present Card 00001234   +   PIN = 4444

+ 2

To Confirm Mgr User Card & PIN
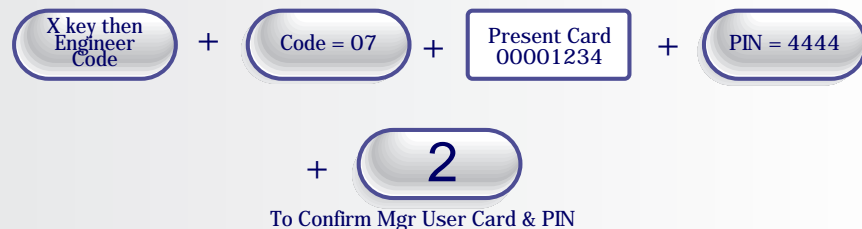
Removing a Batch of Cards or Fobs

Code	Description
05	Removing a Batch of Cards

Example: To remove a Single Card...

X key then Engineer Code   +   Code = 05   +   Present card to remove   +   Present Card again

+ ✓

To Confirm Card removal
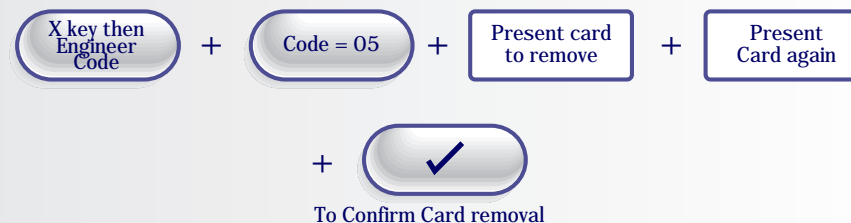
Example: To Remove a Batch of Cards...

X key then Engineer Code   +   Code = 05   +   Present First Card in batch   +   Present Last Card in Batch

+ ✓

To Confirm Card removal
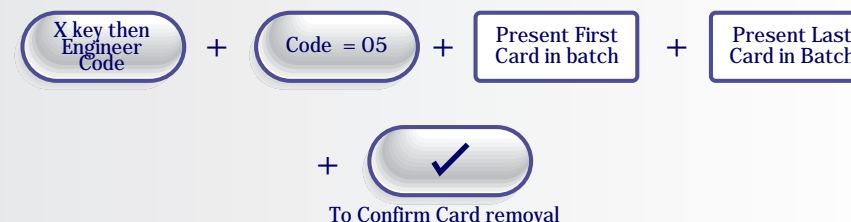
Removing a Card and PIN

Code	Description
08	Removing a Card (and any associated PIN)
09	Removing a Card (and any associated PIN) using Keypad

Example: To Remove a Card...

X key then Engineer Code   +   Code = 08   +   Present card to remove   +   ✓

To Confirm Card/PIN removal
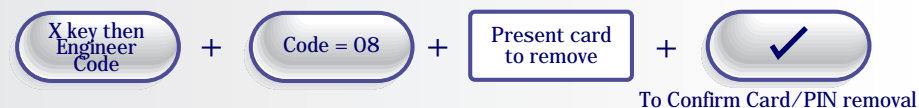
Example: To Remove a Card using Keypad... (Card number = 00001234)

X key then Engineer Code   +   Code = 09   +   1234 = Card number   +   ✓

To Confirm Card/PIN removal

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..

(X key then Engineer Code) + (Code = 11) + (New Engineer Code)
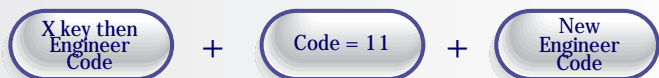
Example: To Change the Relay Active Time to 14 seconds..

(X key then Engineer Code) + (Code = 12) + (Time = 14) + (✔)

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

(X key then Engineer Code) + (Code = 12) + (Time = 0) + (✔)

Changing Input/Output Options

Code	Description
30	Change the Input and Output Options

Example:

(X key then Engineer Code) + (Code = 30) + (Enter 0-5 Refer to Table 1)
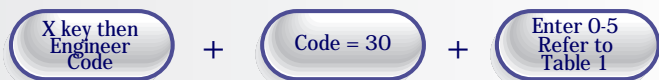
Table 1

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 12
1	Door 1 Exit Button	Door 1 Contact	Interlock I/P	Follow Relay 1	Interlock O/P	Page 12
2	Door 1 Exit Button	Door 1 Contact	Alarm Panel I/P	Alarm/ Buzzer	Alarm Panel O/P	Page 13
3	Door 1 Exit Button	Door 1 Contact	Fire Alarm Override	Follow Relay 1	Alarm/ Buzzer	Page 14
4	Door 1 Exit Button	Door 1 Contact	Door 2 Exit Button	Follow Relay 1	Alarm/ Buzzer	Page 15
5	Door 1 Exit Button	Door 1 Contact	Door 2 Exit Button	Follow Relay 1	Follow Relay 2	Page 15

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)
31	Set Card Or PIN on/off	On
32	Set Card And PIN on/off	Off
33	Set Card And Any PIN on/off	Off

Note: 0 = Off   1= On

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

(X key then Engineer Code) + (Code = 27) + (ON = 1)
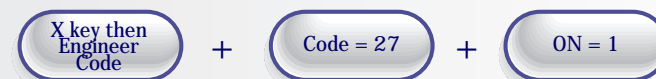
Example: To Set the Backlight to stay ON for 10 seconds only after a key press...

(X key then Engineer Code) + (Code = 27) + (OFF = 0)
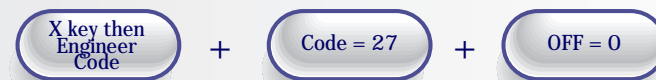
Fix Surface Mount Collar to wall, ensure arrow is pointing upwards
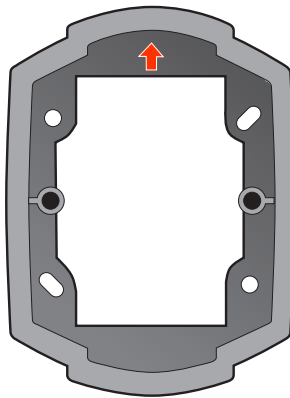
Surface Mounting

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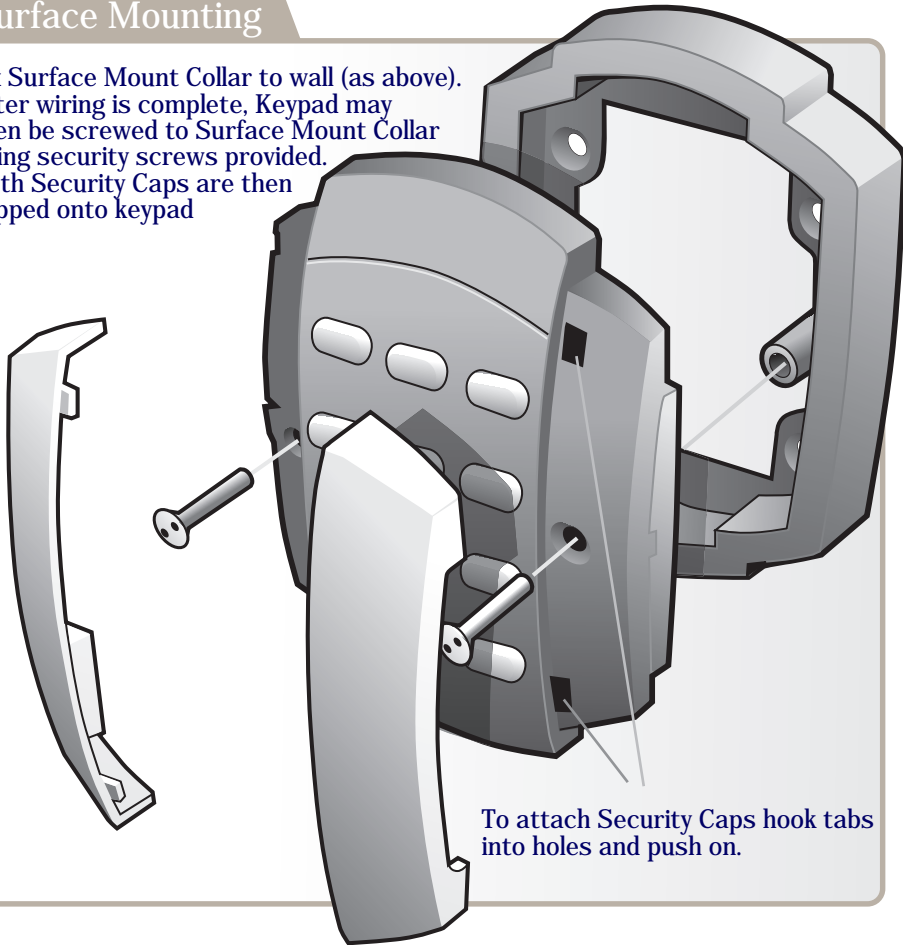
To attach Security Caps hook tabs into holes and push on.

Flush Mounting

Keypad is mounted to pattress box using security screws provided. Both Security Caps are then clipped onto Keypad.
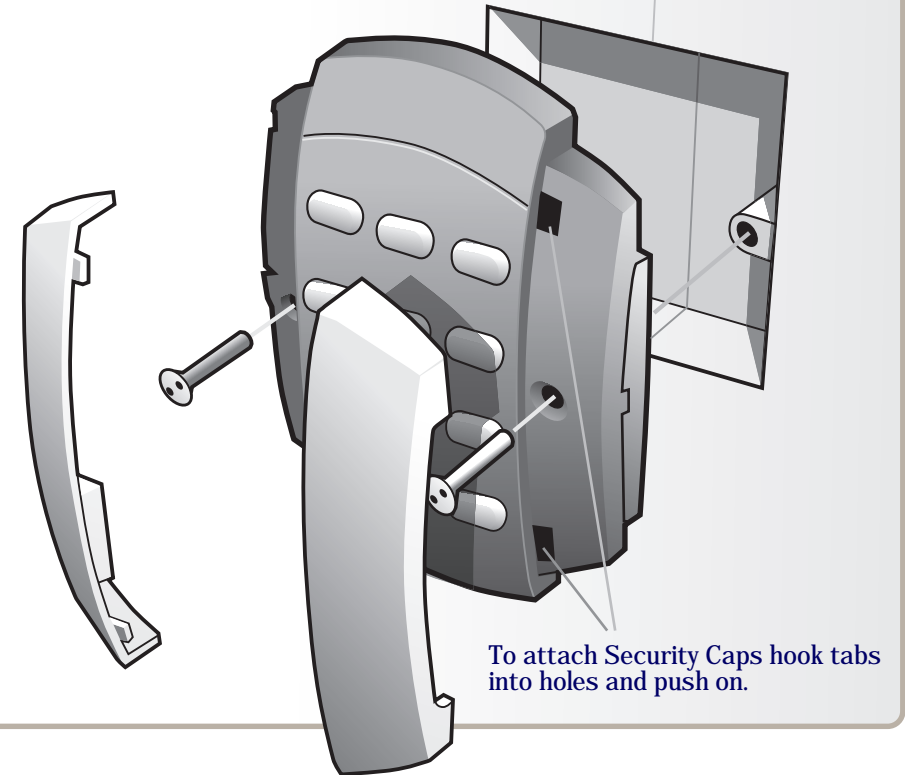
To attach Security Caps hook tabs into holes and push on.
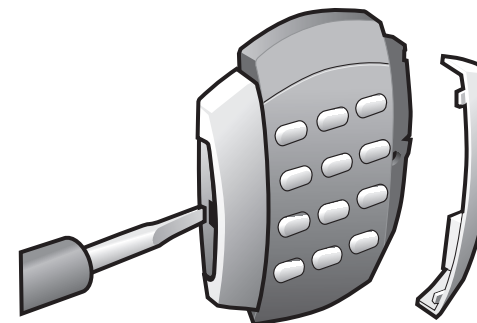
To release Security Caps push a screwdriver into slots on the side and pull forward.

Interlock Connections for Door 1
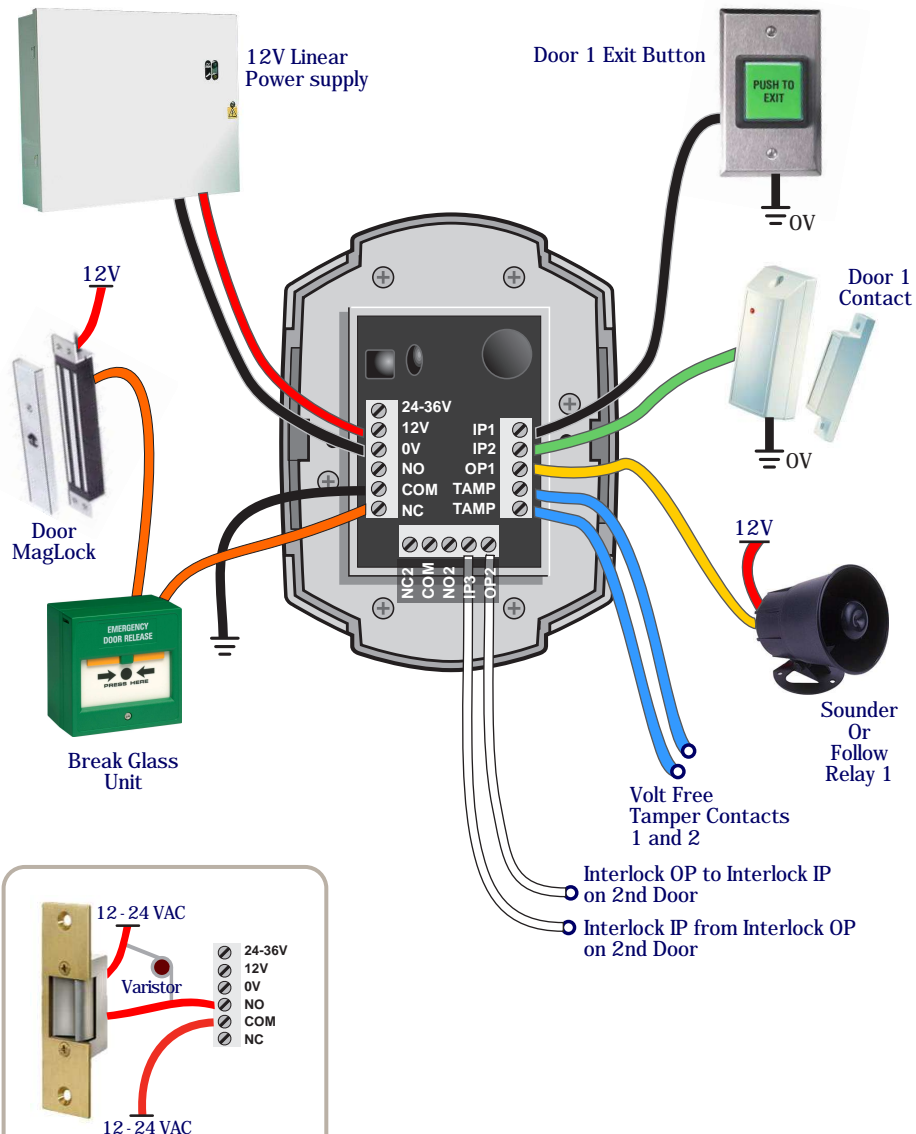
12V Linear Power supply

Door 1 Exit Button

12V

Door MagLock

Break Glass Unit

Door 1 Contact

0V

0V

24-36V
12V IP1
0V IP2
NO OP1
COM TAMP
NC TAMP

NC2 COM NO2 IP3 OP2

12V

Sounder Or Follow Relay 1

Volt Free Tamper Contacts 1 and 2

Interlock OP to Interlock IP on 2nd Door

Interlock IP from Interlock OP on 2nd Door

12 - 24 VAC

Varistor

24-36V
12V
0V
NO
COM
NC

12 - 24 VAC

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.

Alarm Panel Connections for Door 1

12V Linear Power supply

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 1 Exit Button

12V

Door MagLock

Break Glass Unit

Door 1 Contact

0V

0V

24-36V
12V IP1
0V IP2
NO OP1
COM TAMP
NC TAMP

NC2 COM NO2 IP3 OP2

12V

Volt Free Tamper Contacts 1 and 2

Arm Alarm Input

Arm Output (N/O)

12 - 24 VAC

Varistor

24-36V
12V
0V
NO
COM
NC

12 - 24 VAC

Wiring for StikeLock only using 12 - 24VAC supply

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

0V

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

Fire Alarm Override for Door 1

12V Linear Power supply

Door 1 Exit Button

PUSH TO EXIT

0V

12V

Door 1 Contact

0V

24-36V
12V   IP1
0V   IP2
NO   OP1
COM   TAMP
NC   TAMP

NC2 COM NO2 IP3 OP2

Door MagLock

Follow Relay 1

EMERGENCY DOOR RELEASE
PRESS HERE

Break Glass Unit

Volt Free Tamper Contacts 1 and 2

12V

Fire Alarm Panel

Sounder

12 - 24 VAC

24-36V
12V
0V
NO
COM
NC

Varistor

12 - 24 VAC

Wiring for StikeLock only using 12 - 24VAC supply

When the fire alarm is activated (0V removed from IP3) the door will be opened

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

0V

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

Door 1 and Door 2 connections

12V Linear Power supply

Door 1 Exit Button

PUSH TO EXIT

0V

12V

Door 1 Contact

0V

24-36V
12V   IP1
0V   IP2
NO   OP1
COM   TAMP
NC   TAMP

NC2 COM NO2 IP3 OP2

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

Follow Relay 1

Volt Free Tamper Contacts 1 and 2

Door 2 Exit button

PUSH TO EXIT

0V

12V

Sounder Or Follow Relay 2

12 - 24 VAC

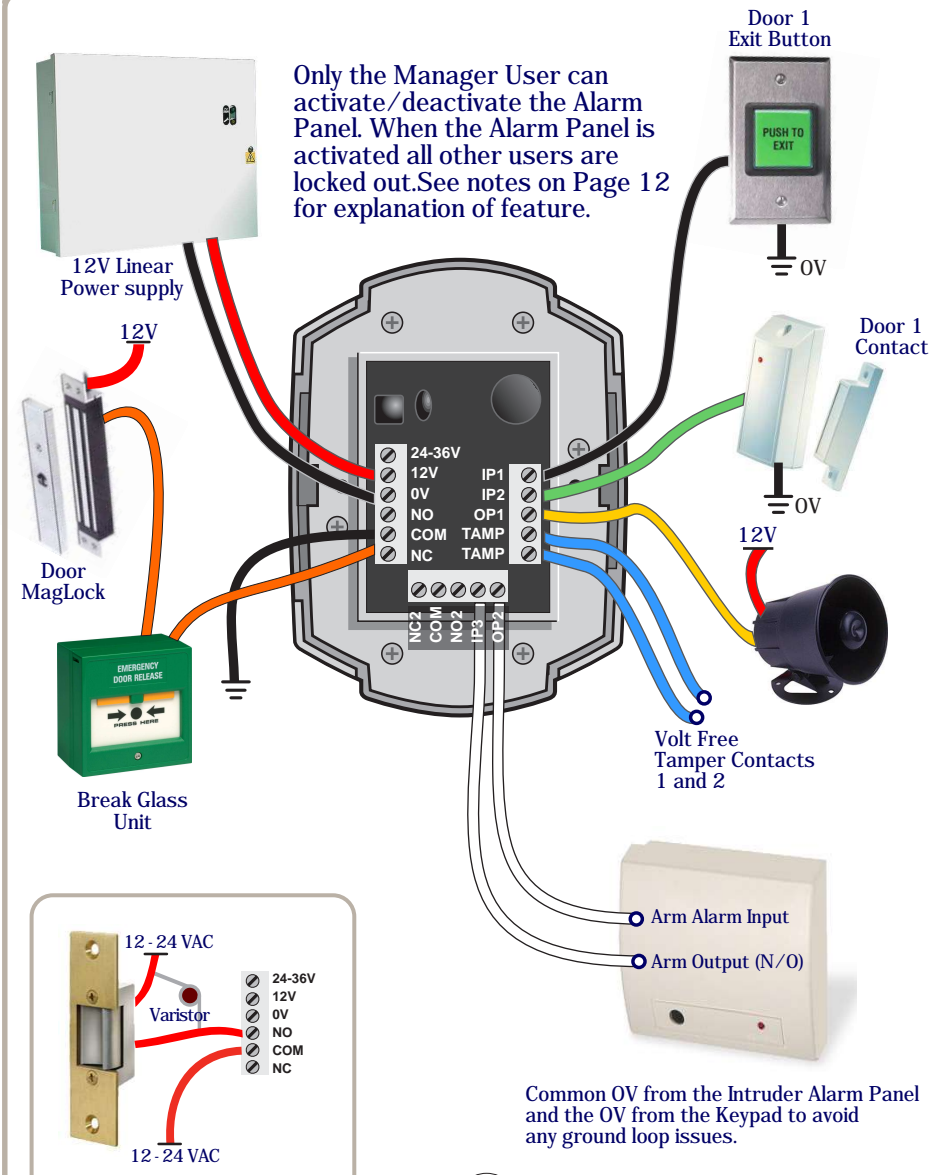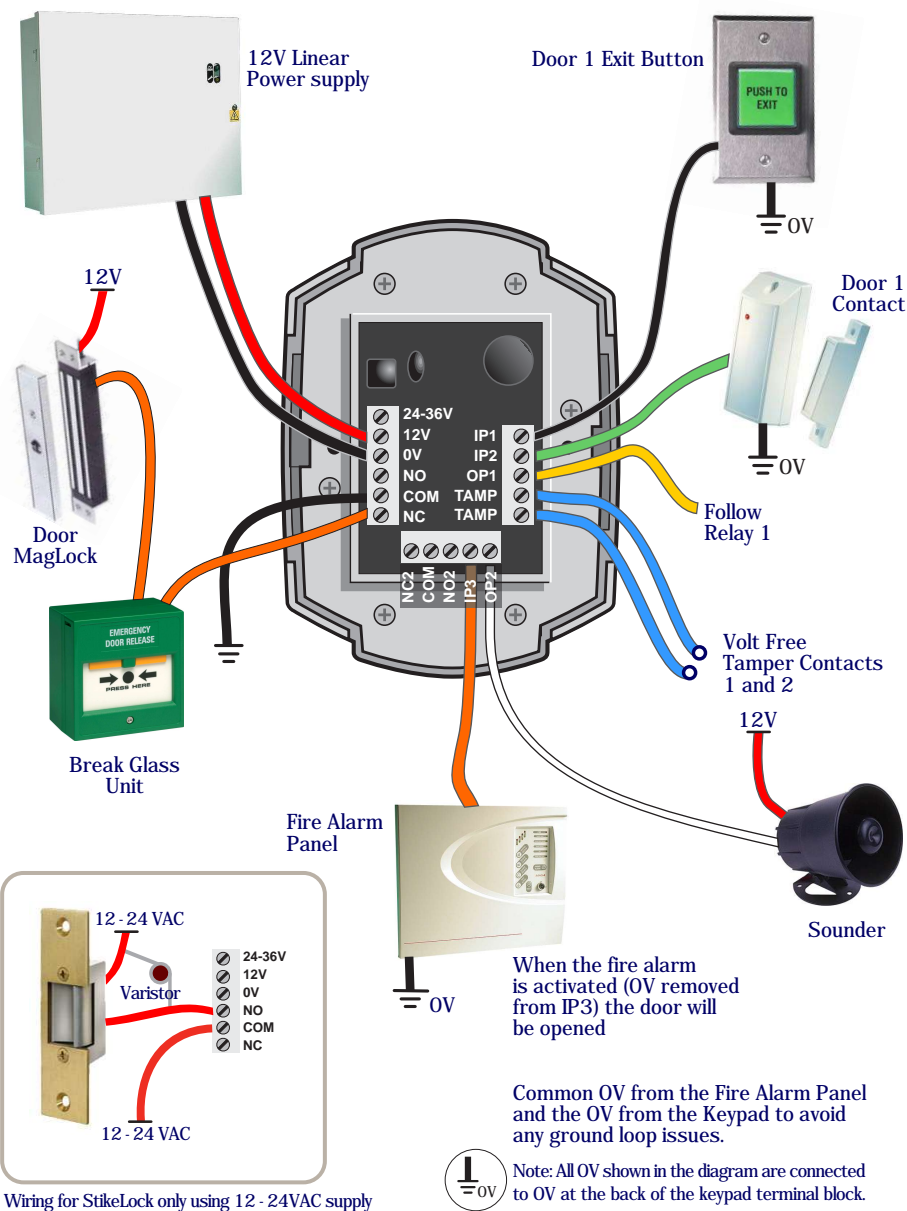24-36V
12V
0V
NO
COM
NC

Varistor

12 - 24 VAC

Wiring for StikeLock only using 12 - 24VAC supply

0V

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