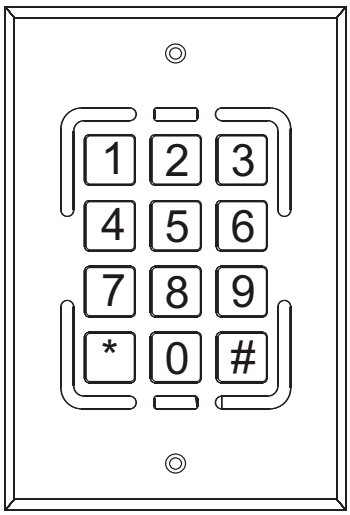
INSTRUCTIONS



DS-Keypad
Entry Access Keypad

CHANNEL VISION™

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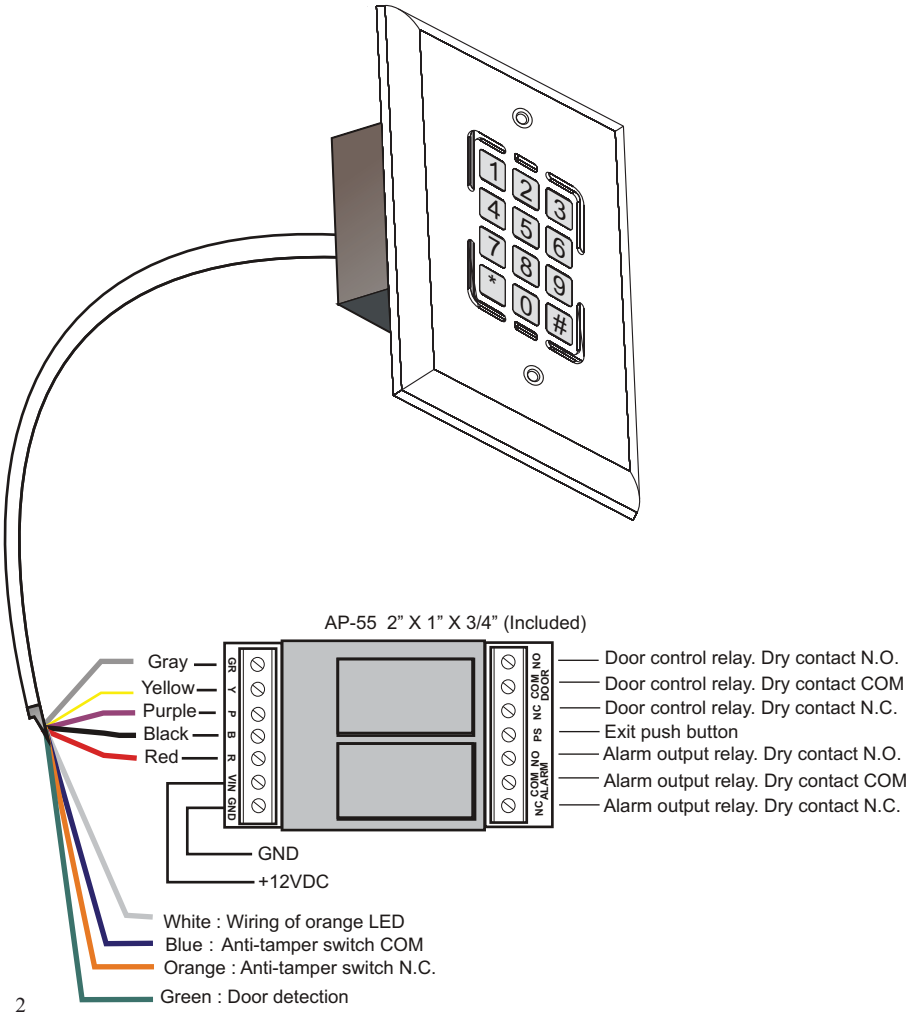
The **DS-Keypad** Access Control System is an entry controller that connects to an included external relay module. Its stainless steel faceplate and blue backlit keypad buttons make it a rugged and aesthetically pleasing choice for access control applications.

Features:

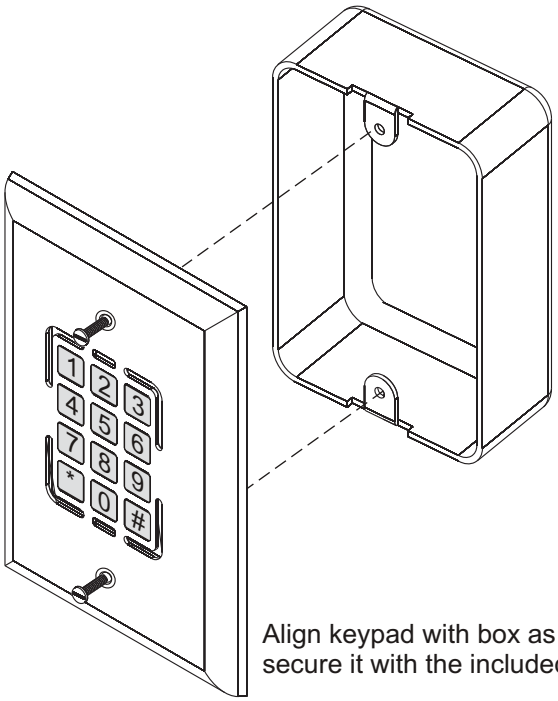
- Non-volatile memory retains setup information after power outages
- Anti-tamper design
- LED status indicators
- Simple setup process - no computer required

Wiring of Keypad to External Relay (AP-55)

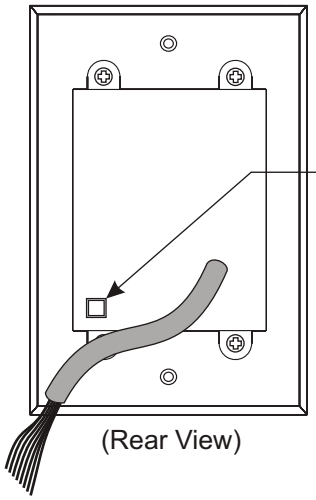


Installation

The DS-Keypad installs in a standard 1-gang electrical box as shown below. If the anti-tamper switch setting is turned on, be sure that the tamper switch is depressed against the back of the electrical box when the keypad is installed. See programming pages for information on the anti-tamper settings.



Align keypad with box as shown and secure it with the included mounting screws.



Tamper switch - If using the tamper switch feature, this must remain depressed when the keypad is installed.

(Rear View)

Programming the Keypad

System password (default is **4567**) is required to enter system setting modes. The reader will send a beep sound to indicate entering system setting modes. If there isn't any action within 20 seconds, the system will escape from the setting mode. When programming, the "#" key is used as the Confirmation or "Enter" key. In most cases "*" is used to clear an entry or exit

Setting Activation Mode

NOTE : Set the activation mode **before** attempting to use the user passwords.

To set activation mode:

Press: * # [system password] #

System Reaction: One beep

Press: 5, 1

System Reaction: One beep (activation mode has been set)

Set (or change) the 8 user passwords

Press: * # [system password] #

System Reaction: One beep

Press: 3 Then enter 1-8 (example:"1" for the first password, "2" for the second, "3" for the third, etc.)

Press: [enter the 4-digit password]

System Reaction: One beep (Password changed successfully)

Optional: [enter 1-8 to set another password] [enter 4-digit password]

Press: * (to exit process)

System Reaction: One beep (Process completed)

Set Door Strike Time Duration

Press: * # [system password] #

System Reaction: One beep

Press: 4 [enter the 2-digit time duration in seconds (01-99)]

System Reaction: One beep (Time duration set successfully)

Press: * (to exit process)

Opening the Door Lock with a User Password

Press: [user password]

System Reaction: One beep, power light turns green and door is unlocked

Opening the Door Lock with a System Password

Press: * # [system password] # 0 0

System Reaction: One beep, power light turns green and door is unlocked

Change Anti-Tamper Switch Setting: 0=ON 1=OFF

Press: * # [system password] #
System Reaction: One beep
Press: 7 [enter the desired anti-tamper mode, 0=On, 1=Off]
System Reaction: One beep (Anti-Tamper mode has been set)
Press: *
System Reaction: One beep (process exited)

Change Reader Alarm Setting: 0=ON 1=OFF

Press: * # [system password] #
System Reaction: One beep
Press: 0 3
System Reaction: One beep
Press: [Enter the desired alarm setting 0=On, 1=Off]
System Reaction: One beep (Alarm mode has been set)

Changing the System Password

Press: * # [system password] #
System Reaction: One beep
Press: 8 [enter new 4-digit system password] #
System Reaction: One beep
Press: [re-enter new 4-digit system password for confirmation]
Note: If confirmation password didn't match, you'll hear repeated beeps, and the system will exit the process. If no beeps are heard, then continue.
Press: #
System Reaction: Two Beeps (the new system password has been saved)

Deletion of all User Passwords

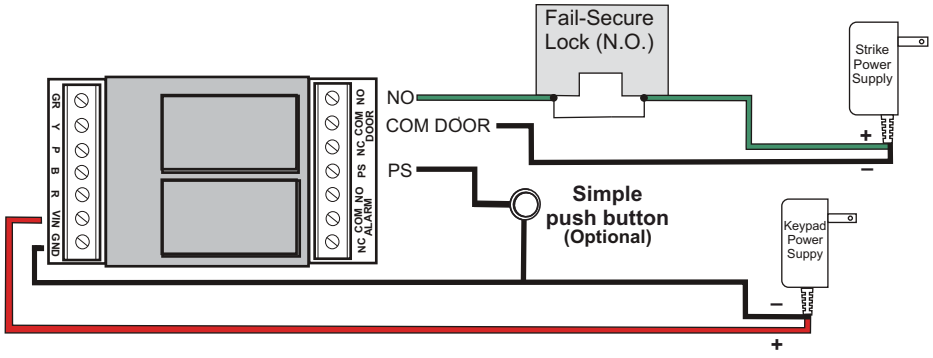
Press: * # [system password] #
System Reaction: One beep
Press: 9 3
System Reaction: One beep (all eight user passwords have been deleted)

Controlling Electric Locks

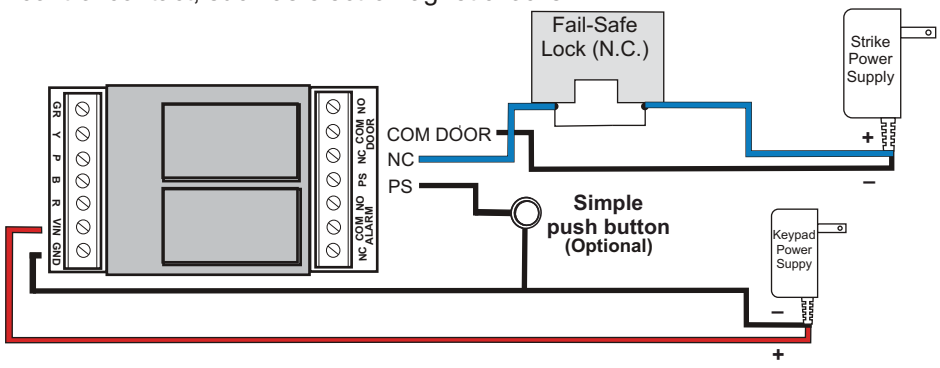
The DS-Keypad contains both Normally Open and Normally Closed relay contacts allowing it be used for either “fail-safe” or “fail-secure” lock mechanisms. Fail-secure locks remain locked when the power is off and unlock when power is applied to the mechanism. Of course, it is still possible to manually open the lock from the inside of the building. Most electric locks are fail-secure. Fail-safe locks require constant power to remain locked. They are unlocked in the absence of power.

Note: the simple push button shown below is optional and can be omitted.

Fail-Secure: Use this diagram for any lock that requires a Normally Open control contact.

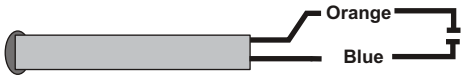


Fail-Safe: Use this diagram for any lock that requires a Normally Closed control contact, such as electromagnetic locks.

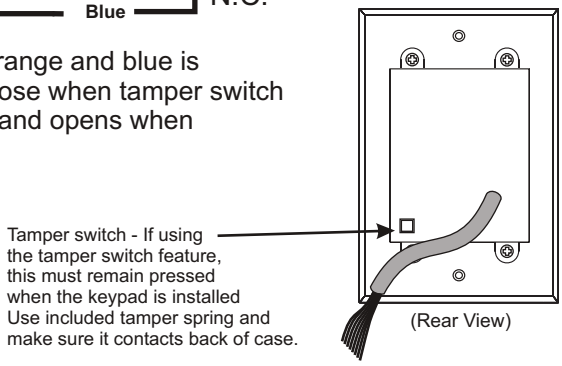


Optional Keypad Functionalities

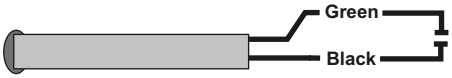
Anti-tamper switch:



Contact between orange and blue is normally closed. Close when tamper switch pressed (installed) and opens when switch is released.

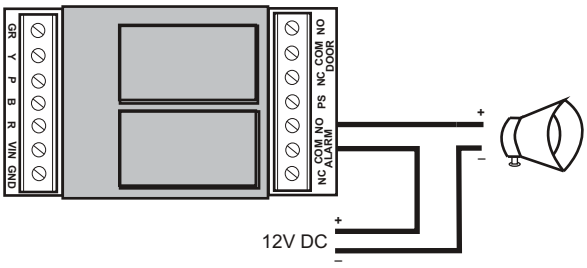


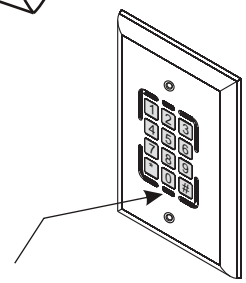
Door detection wiring:



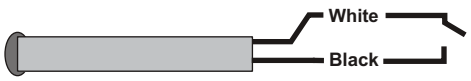
Alarm relay is activated upon Green - Black (ground) contact.

Example alarm wiring with normally open circuit:





Wiring of orange LED indicator :



Orange LED lit upon white - black (ground) contact

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1 Year Limited Warranty

Channel Vision Technology will repair or replace any defect in material or workmanship which occurs during normal use of this product with new or rebuilt parts, free of charge in the USA, for one year from the date of original purchase. This is a no hassle warranty with no mail in warranty card needed. This warranty does not cover damages in shipment, failures caused by other products not supplied by Channel Vision Technology, or failures due to accident, misuse, abuse, or alteration of the equipment. This warranty is extended only to the original purchaser, and a purchase receipt, invoice, or other proof of original purchase date will be required before warranty repairs are provided.

Mail in service can be obtained during the warranty period by calling (800) 840-0288 toll free. A Return Authorization number must be obtained in advance and can be marked on the outside of the shipping carton.

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Specifications: (typical @25º C)

Power Supply:	12VDC, 500mA
Power Consumption:	80mA (idle), 110mA (active)
Cable Requirements:	8-conductor wire, 24AWG or larger Note: wire carrying current to electric locks will need to be much thicker. Consult the electric lock documentation for its specific wiring requirements.
External Relay Type:	Normally Open or Normally Closed
Relay Specifications:	1Amp@30Vdc or 3Amp@24Vdc
Dimensions:	4.53” x 2.75” x 1.25”

Specifications subject to change without notice.

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