



SECURITY DOOR CONTROLS

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INSTALLATION INSTRUCTIONS S6000DE / S6000KDE DELAYED EGRESS DEVICE

Verbal Exit Instructions or Alarm Tone Only and Digital Countdown Display

- Stop Employee Theft
- Stop Retail Shoplifting
- Restrict Airport Patrons
- Restrict Wandering Patients



PUSH UNTIL ALARM SOUNDS. DOOR CAN BE OPENED IN 15 SECONDS.

The integral verbal message, digital countdown display and sign provide comprehensive and clear instructions of the door operation for persons without prior knowledge of the exit delay, including the sight and hearing impaired.

The digital keypad eliminates the need to carry and locate keys for reset and bypass functions.

Features:

Egress Delay

- 15 or 30 second exit delay
- 1 or 2 second nuisance delay

Built-In 3 Function keypad

- Alarm and lock reset
- 1 to 30 second bypass
- Sustained bypass
- Additional keyswitch optional

Control Inputs

- 1 to 30 second request-to-exit and bypass input with anti-tailgate and jumper selectable door prop alarm.
- Reset

Trigger Modes

- Egress alarm triggered by Push Bar
- Trigger input from external device field selectable (N/O or N/C)

Code Compliance

- IFC International fire Code
- IBC International Building Code
- NFPA 101 Life Safety Code
- NFPA 1 Uniform Fire Code
- California Building Code
- Field selectable automatic or manual power up after emergency release or power loss. Use of manual power up complies with California Building Code (OSHPD) requirements.

Built-In Annunciation

- Armed mode
- Nuisance mode
- Irreversible egress mode
- Release mode
- Digital countdown mode
- Field selectable voice notification or tone
- Field selectable male voice with security message or female voice with safety message

Monitoring Outputs

- Armed mode
- Egress initiation status
- Released status

Choice of Mounting

- Recessed mounted (3 gang metal plaster ring included)
- Surface mounted with optional 3 gang box (DEC-J)
- Optional shroud (SHD-J) to be used with DEC-J surface box.

Application:

When unauthorized egress is initiated SDC exit Check[®] delays egress through the door for 15 seconds (or 30 seconds). Meanwhile, the person exiting must wait while personnel or security responds. The door unlocks after 15 seconds have elapsed permitting egress. When powered by a fire control supervised power supply, the lock will release immediately in an emergency.

RIM MOUNT
VERTICAL ROD
MORTISE
EXIT DEVICES

MODELS

S6000DE

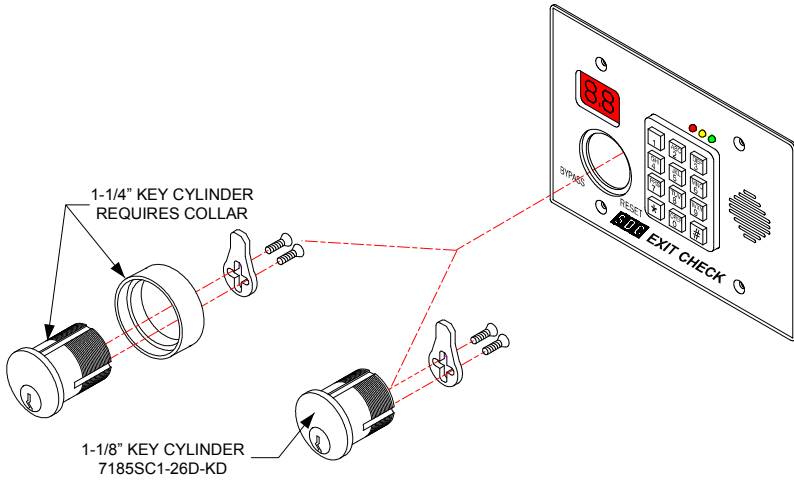


S6000KDE

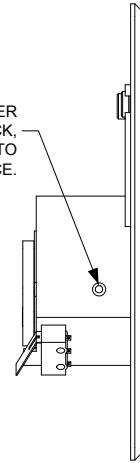


NOTE: SDC 600 Series Power Supply required

KEY CYLINDER INSTALLATION



WITH KEY CYLINDER IN PROPER POSITION INSIDE SWITCH BLOCK, TIGHTEN THE SET SCREW TO LOCK CYLINDER IN PLACE.

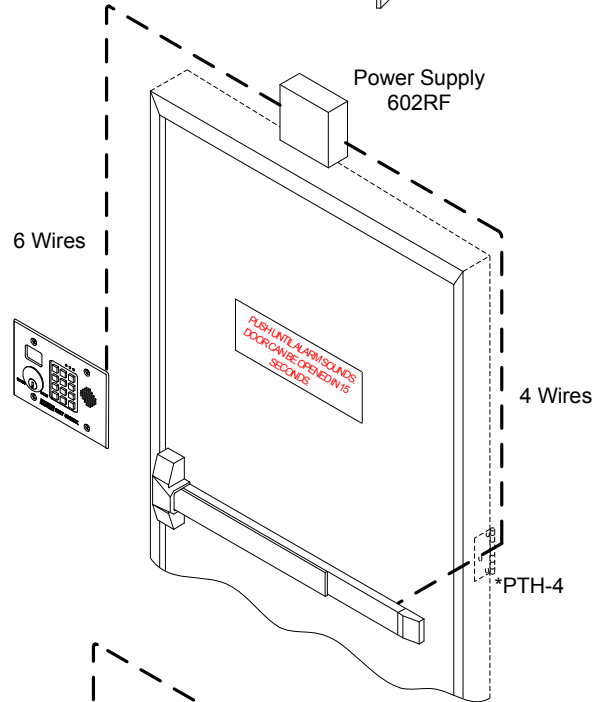
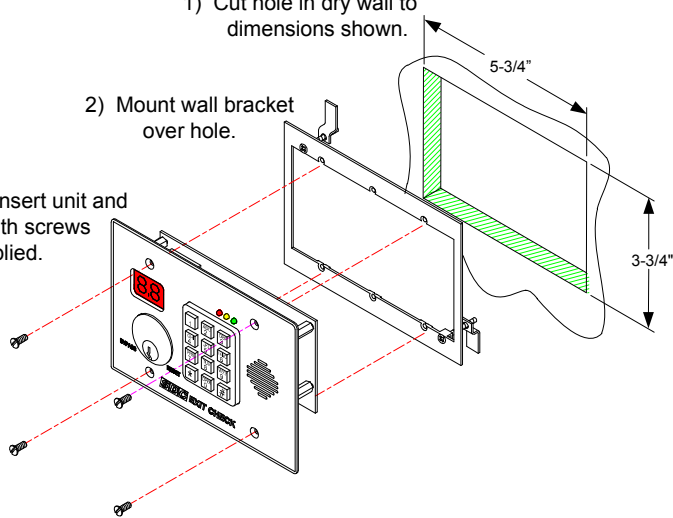


RECESSED MOUNTING DRY WALL

1) Cut hole in dry wall to dimensions shown.

2) Mount wall bracket over hole.

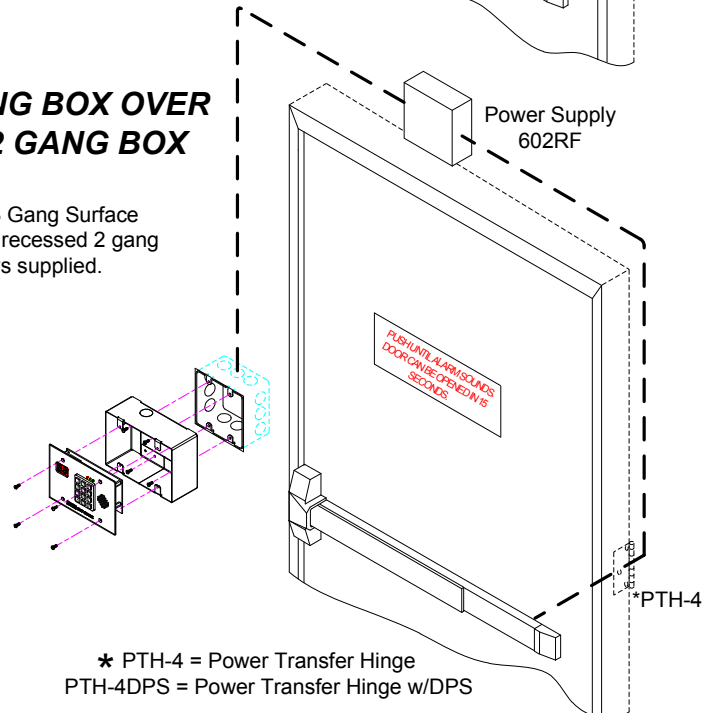
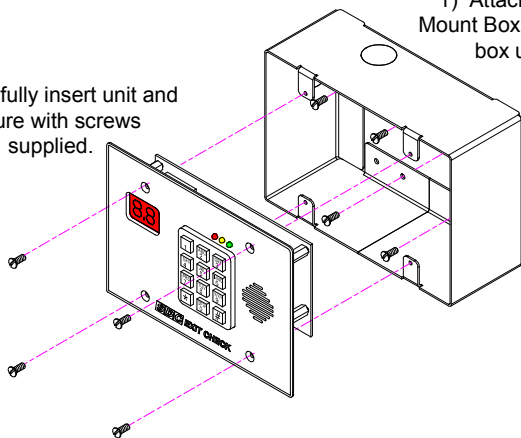
3) Carefully insert unit and secure with screws supplied.



SURFACE MOUNT 3 GANG BOX OVER EXISTING RECESSED 2 GANG BOX

1) Attach optional 3 Gang Surface Mount Box to existing recessed 2 gang box using screws supplied.

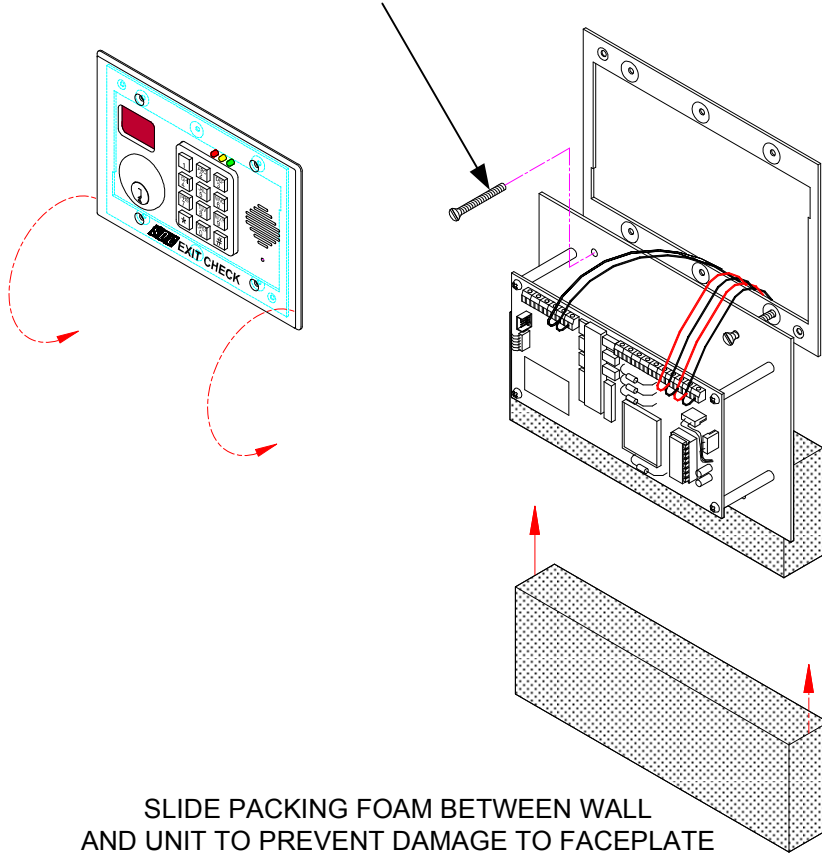
2) Carefully insert unit and secure with screws supplied.



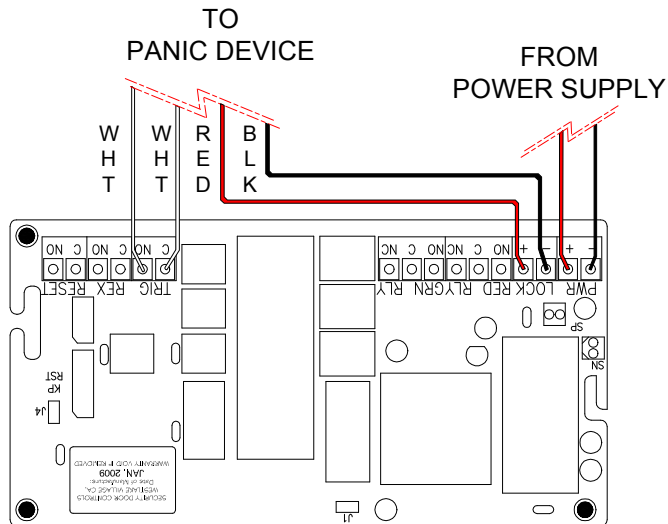
* PTH-4 = Power Transfer Hinge
PTH-4DPS = Power Transfer Hinge w/DPS

RECOMMENDED MOUNTING PROCEDURE

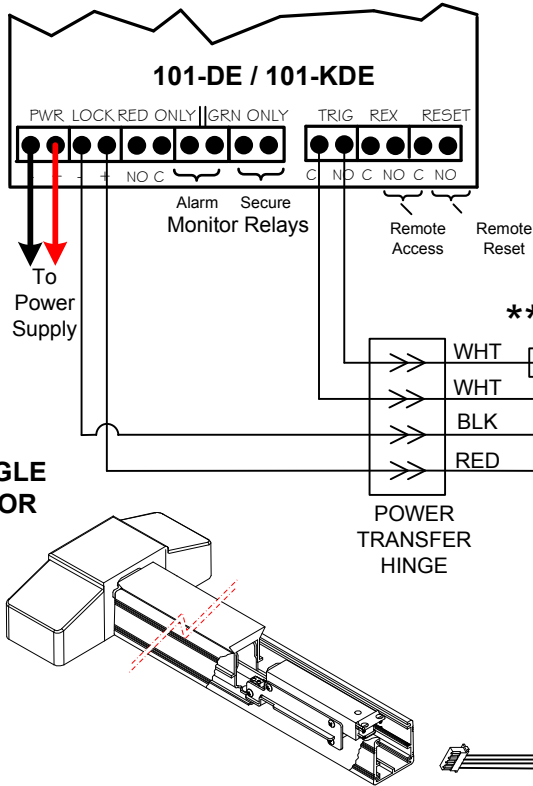
USE 1-1/4" SCREWS SUPPLIED WITH
WALL MOUNT FRAME TO HANG UNIT
TEMPORARILY FOR WIRING PURPOSES



SLIDE PACKING FOAM BETWEEN WALL
AND UNIT TO PREVENT DAMAGE TO FACEPLATE



WIRE UNIT AS SHOWN
(SHOWN WITH NO OPTIONS).



Note:
SDC 600 Series Power Supply required

Power Requirements	24VDC @ 430mA (Single) @ 680mA (Tandem)
Monitor Relays Contact Rating	SPDT (Dry) 1 Amp @12/24VDC (Resistive)
Operating Temp Range	0°C to 70°C

SINGLE DOOR

****JUMPER J1 (DOOR PROP)**

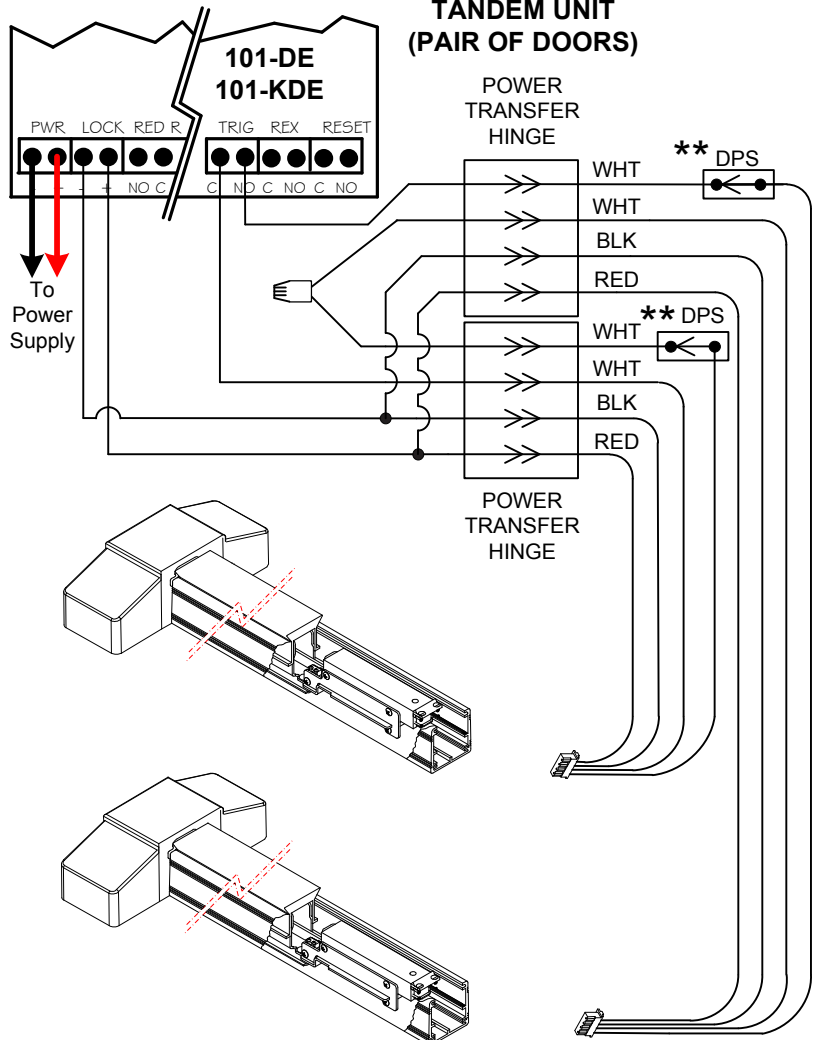
INSTALLED: The S6000DE/KDE will enter the alarm mode if the door is held open past the request to exit period.

REMOVED: The S6000DE/KDE will remain unlocked if the door is held open past the request to exit period. No alarm will sound.

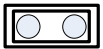
For the S6000DE/KDE to relock and rearm upon closure of the door, DPS is required.

****** Door Contact or Power Transfer Hinge by DPS required for Anti-Tailgate and Door Prop operation.

TANDEM UNIT (PAIR OF DOORS)

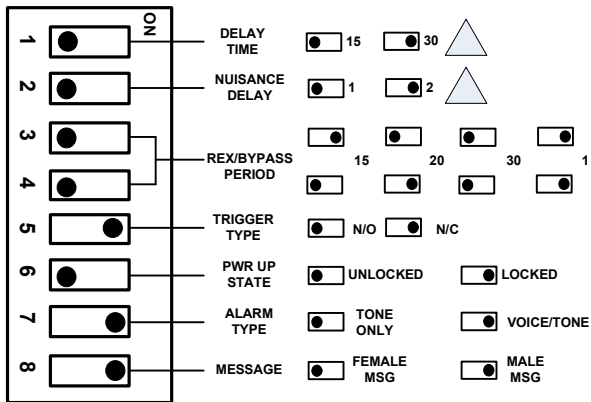


JUMPER J1**



[OFF] [ON]

DIP SWITCH SETTINGS



WARNING!
 CONTACT THE AUTHORITY HAVING JURISDICTION FOR APPROVAL
 PRIOR TO SELECTING DELAY TIME OR PWR-UP SETTINGS

System Operation

POWER-UP UNLOCKED



The door is unlocked. To enter the Armed Mode, turn the keyswitch to Reset or enter the Reset Code "11*" on the keypad

POWER-UP LOCKED



The door is locked and secure

DELAYED EGRESS MODE



The door is still locked and secure. The display is counting down with audible alarm/voice instructions. Once the display reaches "00", the door will unlock.

ALARMED UNLOCKED [Alternating Display]



The door is unlocked and the alarm is sounding. To return to Armed Mode, close the door and turn the key to Reset or enter the Reset Code "11*" on the keypad

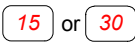


The door is unlocked and has been opened



RESET [Armed] (Green LED solid)

Keypad Code 11*



The door is locked and secure

AUTHORIZED EGRESS [REX] (Green LED Solid)

Keypad Code 22*



Door Closed

The door is unlocked until the REX timer has expired or until the door has been opened and then closed.



Door has been opened

BYPASS [Extended Unlock] (Green LED Flashing)

Keypad Code 33*



Door Closed

The door is unlocked indefinitely. To return to Armed Mode, turn the keyswitch to bypass or enter the Bypass Code "33*" on the keypad.



Door has been opened

Keypad Programming

KEYPAD STATUS LEDS

FACTORY PROGRAMMED CODES

GREEN Steady : Power on, No errors, No outputs are active
 Slow : No errors,
 Flash At least one output is active
 Fast : Keypad is in Programming Mode
 Flash

RED Steady : General error, invalid code entered
 Slow : Error condition
 Flash At least one output is active

YELLOW Flash : For ADA requirements, it will light each time a key is pressed

User No.	Pin Code	Output Code	Function
1	1234*	NA	Master Code (default)
2	11*	1	Reset
3	22*	2	Authorized Exit (Rex)
4	33*	3	Bypass (toggle on/off)

If the factory programmed codes are acceptable for your installation, no additional programming is required.

Changing the Master Code

User 1 is always used as the Master Code and is required to access keypad programming. The Factory Default Master Code is "1234". It is strongly recommended that a new Master Code is assigned after installation. WRITE DOWN THE NEW CODE. If the master code is lost, you must use the keypad reset jumper on the main circuit board to enter programming mode by using the Default Master Code.

To Change the Master Code (User 1)

- 1) Enter Programming Mode: Press 99# Master Code* .
- 2) Assign new Master Code : Press 1# 01# New Pin Code# Output Relay #* .

For example: 99# 1234*1# 01# 3871# 0#* changes the Master code from 1234 to 3871.

- 3) Press ** to exit programming mode.

Entering Programming Mode

Press 99# Master Code* .

For example: 99# 1234* Enters programming mode using the Default Master Code.

Adding a User / Changing User Pin Codes (Option 1)

To add a user:

Press 1# User Number (2 digits)# New Pin Code# Output Relay #* .

For example: 1# 05# 55# 2#* adds user 5's pin code as one that will activate authorized exit.

Output Relay Codes

- 2= Reset
- 3= Authorized Exit
- 4= Bypass

Deleting a User (Option 2)

To add a user:

Press 2# User Number (2 digits)#* .

For example: 2# 05#* deletes user 5.

Erase All Users (Option 8)

To **ERASE ALL USERS!!**

Press 8#* .

All users are erased and the Default Master Code is reset to 1234.

Exit Programming Mode

Press ** .

Returning the Keypad to Factory Default Settings

Short the **KP RST** terminal located on the main controller board.

Press 99# 1234*8#* .

Press 3#1#2#* . Sets the Output #1 (Reset) for 2 seconds.

Press 3#2#2#* . Sets the Output #2 (Auth Exit) for 2 seconds.

Press 3#3#0#* . Sets the Output #3 (Bypass) for latching.

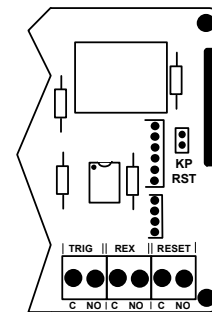
Press 1#02#11#2#* . Adds user # 2 with a code of 11. [Reset]

Press 1#03#22#3#* . Adds user # 3 with a code of 22. [Auth Exit]

Press 1#04#33#4#* . Adds user # 4 with a code of 33. [Bypass]

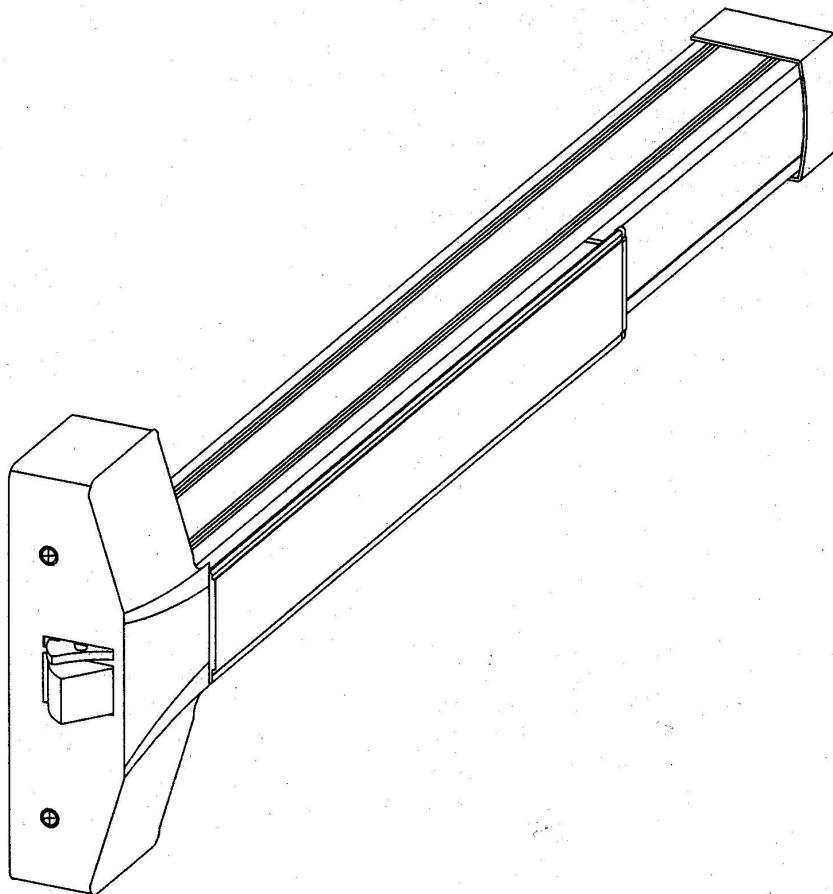
Press ** to exit programming mode.

Remove the shorting jumper from the **KP RST** terminal.



REVERSIBLE PANIC / FIRE EXIT RIM DEVICES

INSTALLATION INSTRUCTIONS

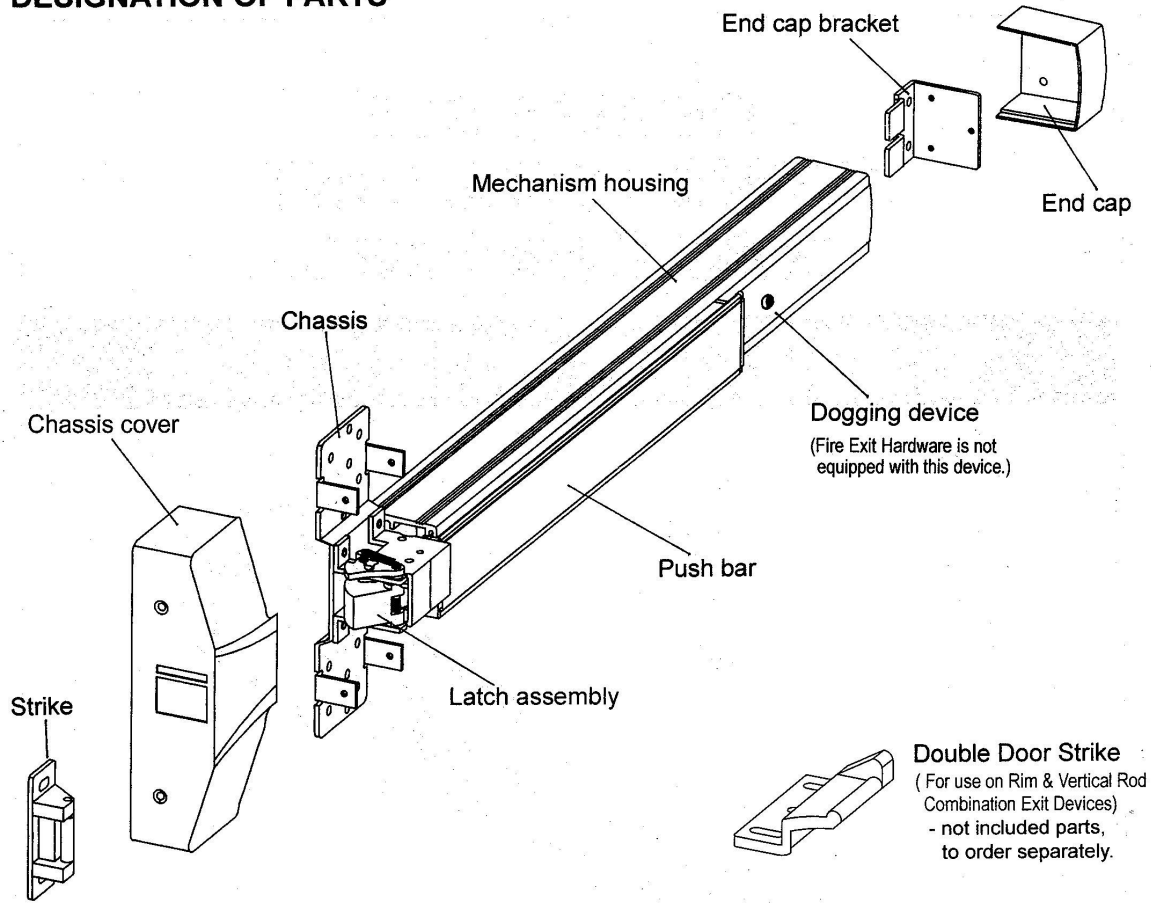


These instructions are presented in step by step sequence and attach a template to tape to your door and frame as an aid to preparing for device mounting.

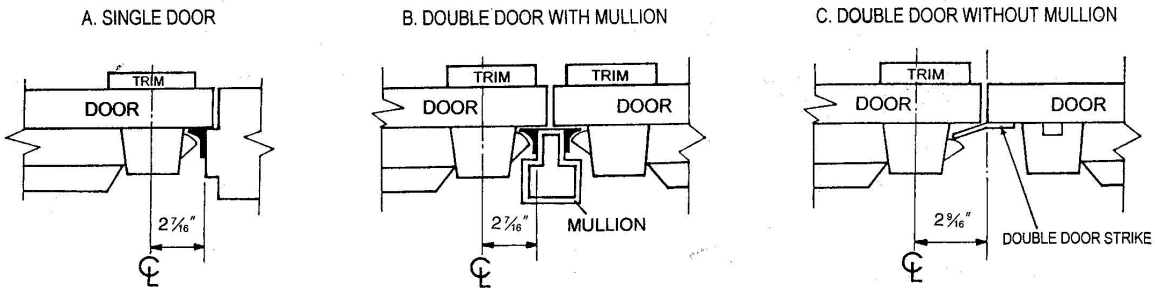
Please read it throughout before installation.

Note : The dimensions of Template are shown in inches. See attached page for the Metric Conversion Table if you used to read the millimeters.

A. DESIGNATION OF PARTS

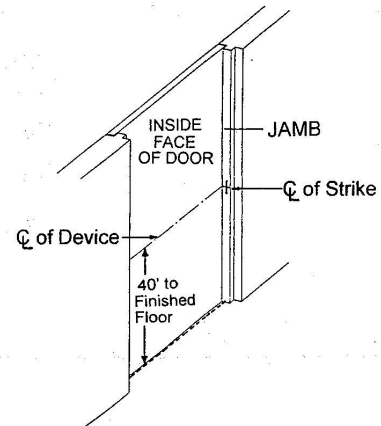


B. TYPE OF INSTALLATION



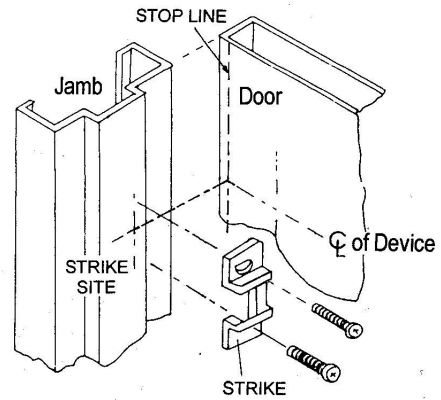
C. MARK POSITION FOR INSTALLING

1. Mark the center line of device by drawing a line across the door and stop 40" above finished floor as shown at right.
2. Fold or tape template and align center lines on template with center lines on door then mark position of mounting holes for Latch Assembly.
3. Move template up against stop then mark two mounting holes for Strike.
4. Drill holes as marked on door and jamb or mullion.



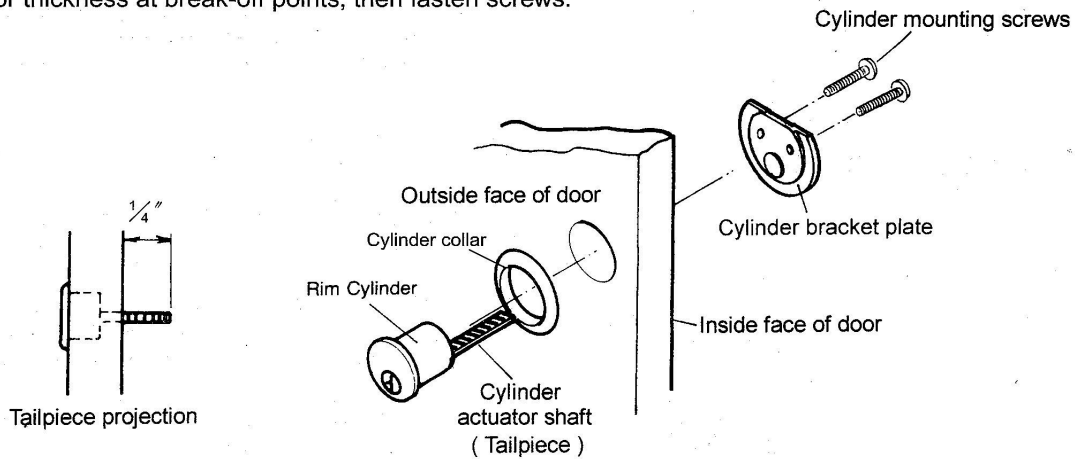
D. INSTALL STRIKE TO FRAME

1. Place strike to the drilled position and tighten it to jamb or mullion by supplied screws.
2. In case installing with a vertical rod device for a pair of doors, an additional Double Door Strike must be used to replace regular strike provided.



E. IF CYLINDER INCLUDED WITH THE DEVICE

1. Drill one 1-3/16" diameter thru hole for the cylinder / bracket plate.
2. Insert cylinder and cylinder collar from outside of the door.
3. Place bracket plate on inside face of the door.
4. Put two cylinder mounting screws thru the bracket plate and into cylinder.
5. Cut the cylinder mounting screws and tailpiece to the required door thickness at break-off points, then fasten screws.

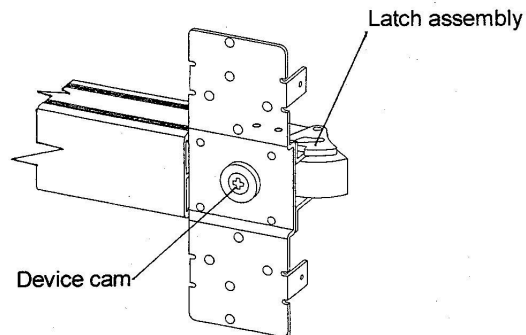


F. INSTALL OUTSIDE TRIM

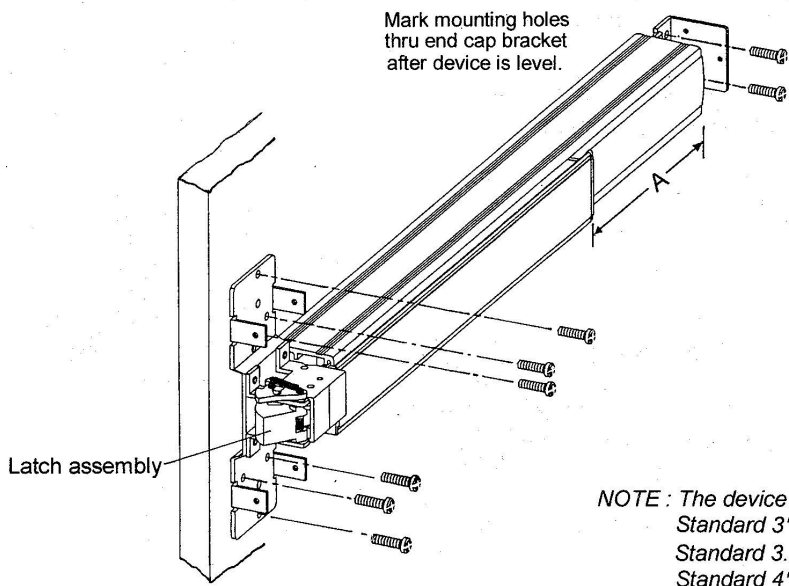
Mark and drill holes for the outside trim. (See Trim Instructions).

G. INSTALL DEVICE BODY

1. Remove chassis cover from latch assembly and end cap from end cap bracket.
2. Mount device horizontally to the drilled position by supplied mounted screws, and bolt device chassis to trim or sex bolts (if required).
3. Make sure cylinder or trim actuator shaft (tailpiece) can insert into device cam concentrically. (See device cam at right).
4. Install end cap bracket on device then screw to door.
5. Tighten all screws or bolts.



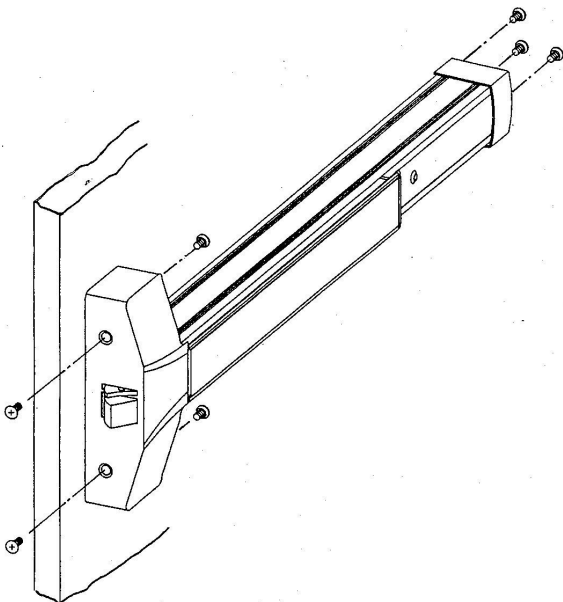
INSERT TRIM ACTUATOR SHAFT INTO DEVICE CAM



NOTE : The device bar has 3 different lengths :
 Standard 3' door device = Approx. 33"
 Standard 3.5' door device = Approx. 40"
 Standard 4' door device = Approx. 44"

The bar lengths of devices are precut for 36", 42", 48" wide door, no additional cutting is necessary. If narrower door installation is needed, cut device "A" portion to door width minus 4" to fit properly.

H. INSTALL COVERS



1. Test push bar operation before installing covers :
 - a. No Trim : Latch bolt is retracted by push bar inside.
 - b. With Trim : Latch bolt is retracted by push bar inside, key or lever/knob outside.
 - c. Dogging: See dogging description and chart below.
2. Make sure and secure latch bolt engagement. Adjust strike if required.
3. Install chassis cover on chassis.
4. Install end cap.