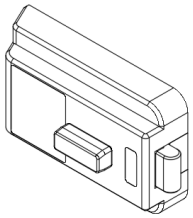
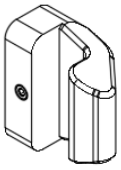
# Installation Manual Hy® Lock

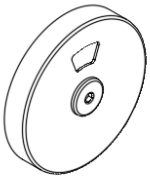
## Included:



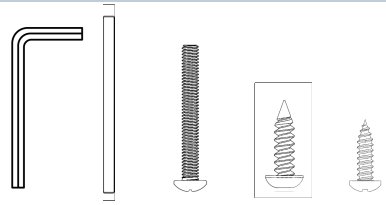
Latch



Keeper (In or Outswing)

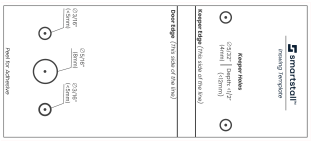


State Display

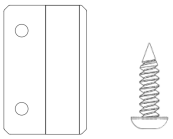


1x 1x 2x 2x 1x

Fasteners



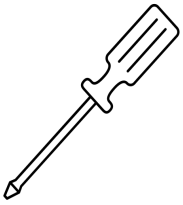
Template & Decal



1x 2x

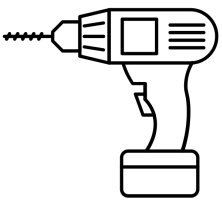
Retrofit Kit

## Required:



Screw Driver

Philips Head



Power Drill

Drill Bit Set

## Suggested:

Level

Clamp

Drill Guide

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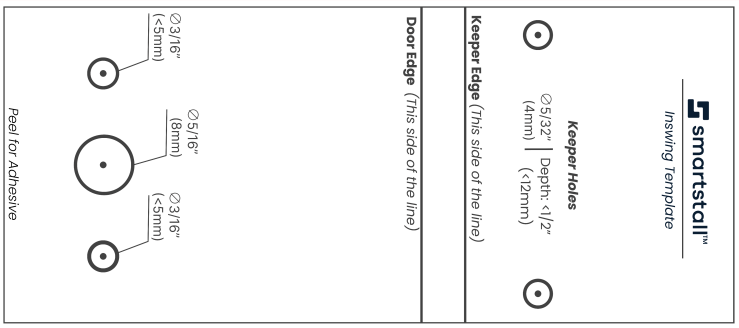
## Step 1: Template

*In absence of predrilled holes*

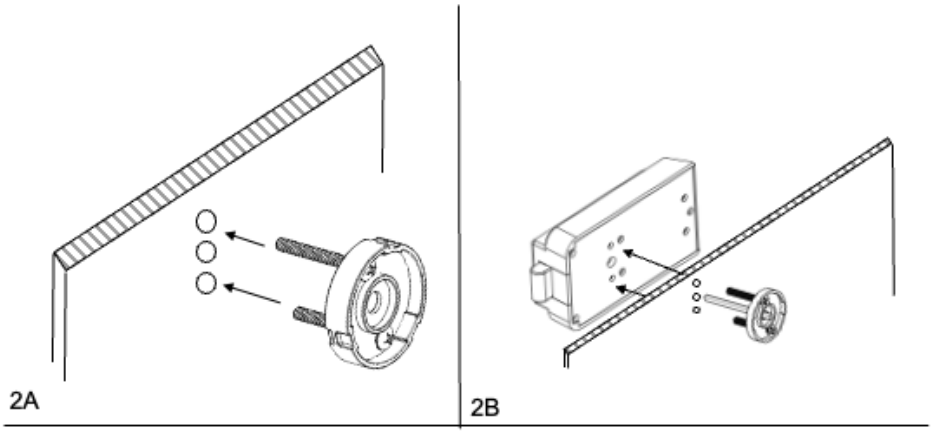
1A




Ensure you have the right template: Inswing or Outswing. *Shown: Inswing Template.* Align template on door based on template alignment instructions. Use a level to ensure the template is level before marking holes. Drill holes where shown. You may want to clamp the door closed & use a drill guide.

*Note: For lap joint doors, the "edge of door" refers to the edge of the door that is visible to you from inside the stall.*

## Step 2: Attach Latch




Chose the proper through-bolts for the door thickness

Orient the state display body with the arrow pointing up. Insert through-bolts from the exterior of the stall through the state display body into the stall door (2A). Align the latch on the interior of the stall with the through bolts and tighten until secure (2B). Throughout the installation use the screw driver wherever a Philips head is used.

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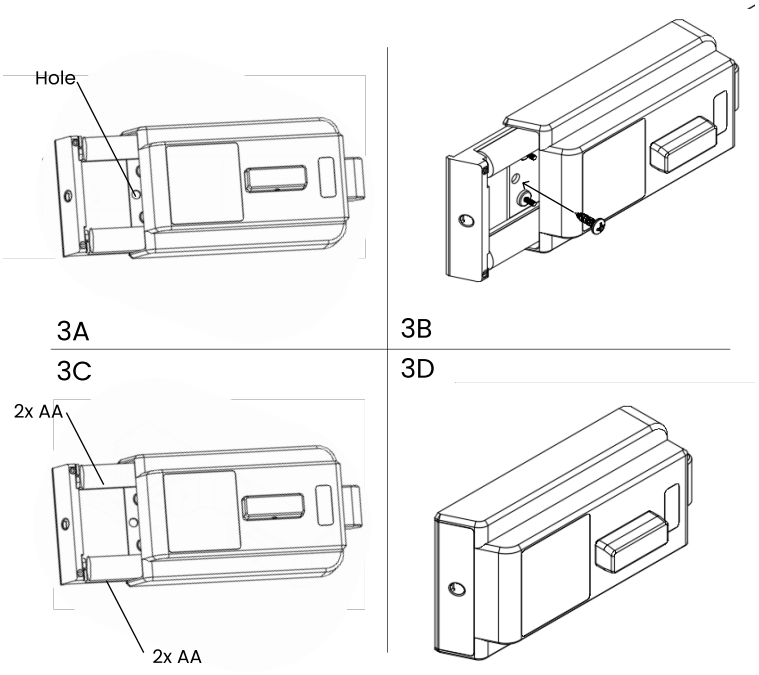
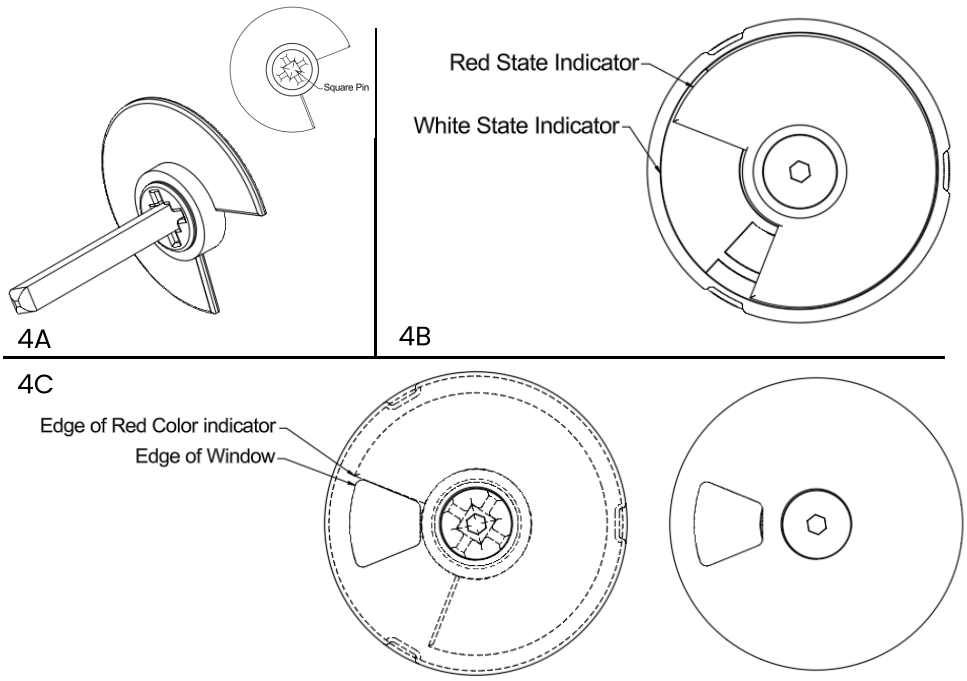
## Step 3: Secure Latch + Batteries




Pull the battery slide out partially. There is a hole found in the battery cavity for further security (3A). Mark this hole, remove the lock (undo step 2), then drill blind 1/8” diameter pilot hole on mark. This hole should not go through to other side of the door.

Redo step 2. Next insert and tighten provided screw through this hole to secure the latch(3B). Insert battery holder (3C). Slide battery holder back into lock & tighten fastener (3D).

## Step 4: Attach State Display




Choose correct pin length for the door thickness: when fully inserted, the pin should protrude from door surface about 4-5mm. **Insert square pin into the square center of the red state indicator, not the cross shape** (4A). Insert the pin and state indicator into the door so that the red portion partially covers the white portion of the plastic body attached to the door as seen. (4B). The angle of the red indicator should match the metal cover’s indication window (4C). The window should show red when locked & white otherwise.

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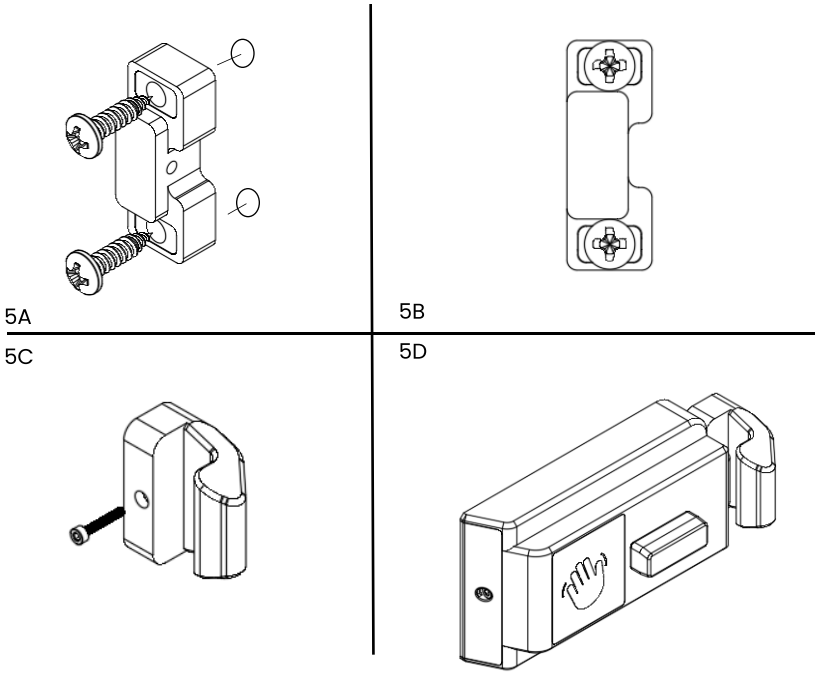
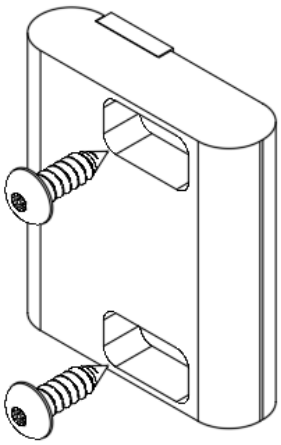
## Step 5: Attach Keeper (Inswing)




Find previously drilled pilot holes . Place keeper base against pilaster with hole guide pieces in place.(5A) Drill screws into these holes. (5B) Connect the top portion of the keeper and insert and tighten hex bolt. (5C)

Installation complete (5D).

## Attach Keeper (Outswing)



Find the pre-drilled holes in the pilaster and align the outswing keeper. Fasten the tamper-proof screws until the outswing keeper is tightly secured.

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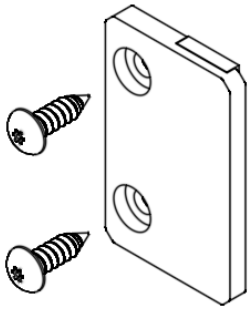
# Installation Manual Hy® Lock

## Step 6: Retrofit Kit - Door Stop *(optional)*



The retrofit kit will also include a door stop that matches the lock assembly:

1. Identify the best location for the door stop where the rubber portion of the stop extends into the path of the door.
2. Drill blind pilot holes based on the location, then fasten the screws into the exterior of the pilaster.

## Step 7: Retrofit - Relocate Hanger *(suggested)*

Many restroom stall doors have hooks located on the door to hang a coat or purse. Remove this hook from the door and relocate the hook onto the side partition to which the door opens towards (the side closest to the door hinges).

## Step 8: Place Decal *(optional)*

If you believe your patrons may initially want a visual graphic on how to use the lock, place the provided decal above the lock.

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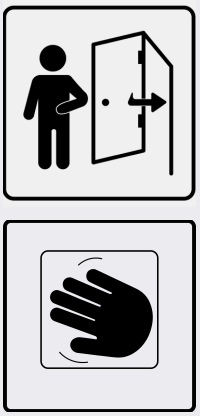
## How to Use

### In-Swing Doors

1. Walk inside stall.
2. Bump door shut with hip, elbow, foot, etc. (Door will hold in closed position)
3. Wave hand through gap to lock door.
4. When ready to leave, wave hand again; latch will unlock and door will swing open automatically.



### Out-Swing Doors

1. Approach out-swing stall and use arm pull to open door. Enter.
2. Wave hand to lock door once it is in the closed position.
3. When ready to leave, Wave hand again. the latch will unlock and the user may simply bump the door open with elbow, hip or foot during exit.

* Out-swing doors are almost always accessible stalls that meet ADA requirements. ADA code states the door must tend to the closed position.

## Maintenance

### Batteries:

- Battery Type: 4 AAs
- Low Battery: LED will blink slowly when batteries are running low
- Change batteries once a year or when LED begins to blink. See Installation Manual

### Re-Alignment (Adjust Keeper Position):

- Unlike most locks, if the door shifts overtime the lock can be realigned.
- Use a hex Allen wrench to remove the top portion of the keeper. Unscrew keeper base. Remove plastic back plate.
- Reinstall keeper and adjust position using the screw slots to proper position:
  - In-swing door - where an in-swing door will remain closed when shut AND will also fully release and automatically swing open when unlocked.
  - Out-swing door - where an out-swing door will fully shut via gravity hinges and sufficiently lock.

## Features

### Manual Use:

The user may use the manual lock/ unlock functionality at anytime.

### Battery Optimization:

When the door is closed *and* a hand-wave is *not* sensed within 45 seconds the hands-free functionality is disabled until the door is opened and closed again.

When the door is closed and a hand-wave *is* sensed to lock the door the hands-free functionality will remain available to the user for 20mins. After 20mins of being locked, the user must manually unlock and open the door.

### Secure Hand Sensing:

User must intentionally move their hand into the self-enclosed sensing area to trigger lock

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