

Installation Instructions ***Auto-Locks***

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Section 3 – Auto-lock Function Modes

Section – 3 Auto-lock Function Modes

The Auto-lock has two functions modes. In order for the Auto-lock and door to function properly **both** locks should be set to the same function mode. See **Figure 1**

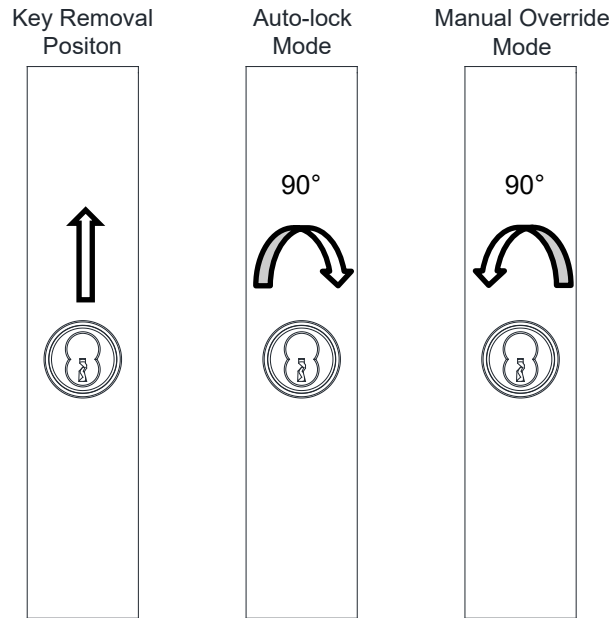


Figure 1

Auto-lock Mode:

Insert the key and turn 90° clockwise. Return the key to the center and remove the key. In Auto-lock Mode the door will be locked whenever the door is in the closed position. The lock is Fail secure, meaning if there is no power to the door/locks and the door is in the closed position then the door will be locked.

Manual Override Mode:

Insert the key and turn 90° counter-clockwise. Return the key to the center and remove the key. In Manual Override Mode lock is bypassed at all times. This may be useful when there is no power at the jobsite and the door needs to be operated by handchain or other manual operating methods.

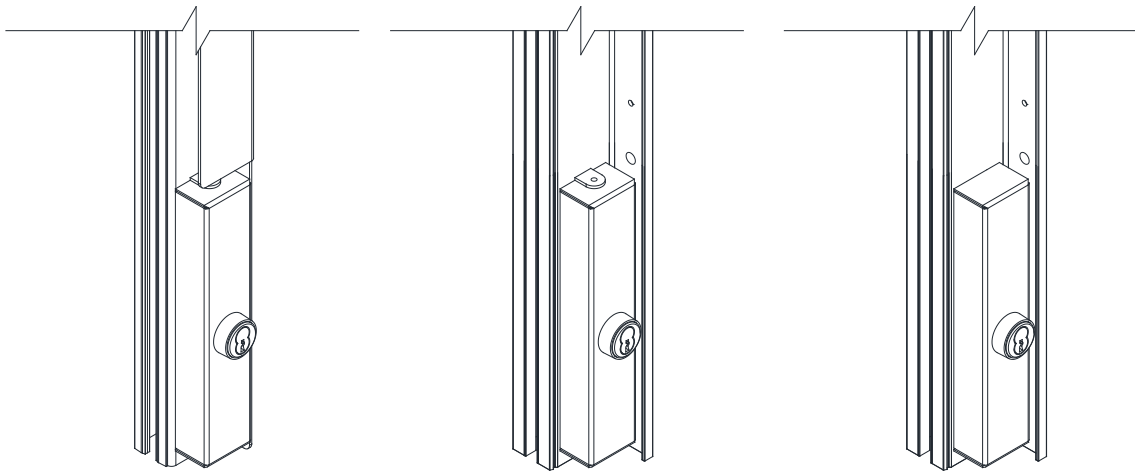
Section 4 – Auto-lock Field Adjustment

Section – 4 Auto-lock Field Adjustment

Auto-locks come preinstalled from the factory on the bottom of the guide. Examples of conditions requiring field adjustment include, but are not limited to, an installed countertop or a bottom bar that will not rest at the bottom of the guide. See **Figure 2**.

NOTICE

Field adjustment is done only as required. In some cases the guide may need to be removed from the wall angle in order to remove the cover for adjustment. Setting the Auto-lock to the highest position available will allow for greater tolerance in the sensing mechanism, but will allow the bottom bar to be lifted more before stopping.



Guide Shown as
Reference

Figure 2

Section 4 – Auto-lock Field Adjustment

1. On the underside of the Auto-lock is a button head hex drive screw see **Figure 3**. **Loosen, but do not remove the screw.** The screw head should not protrude past the exterior of the cover. You can now remove the cover by pushing up and pulling the cover away from the guide.

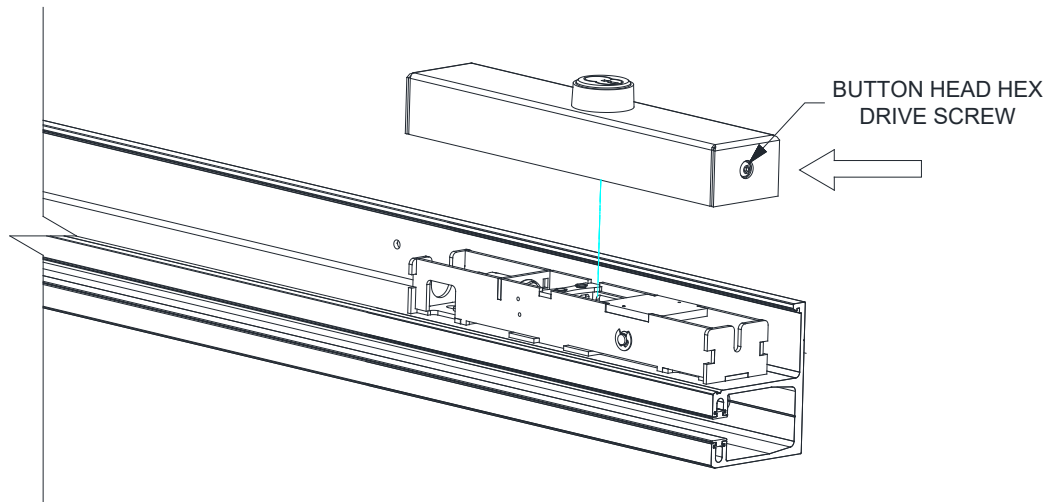


Figure 3

2. There are 2 flat head drive screws with washers that secure the Auto-lock into place, see **Figure 4**. The stainless steel guides will have 2 washers on each screw and the aluminum guides will have a single washer on each screw. **Loosen, but do not remove** these screws in order to adjust the vertical position of the Auto-lock.

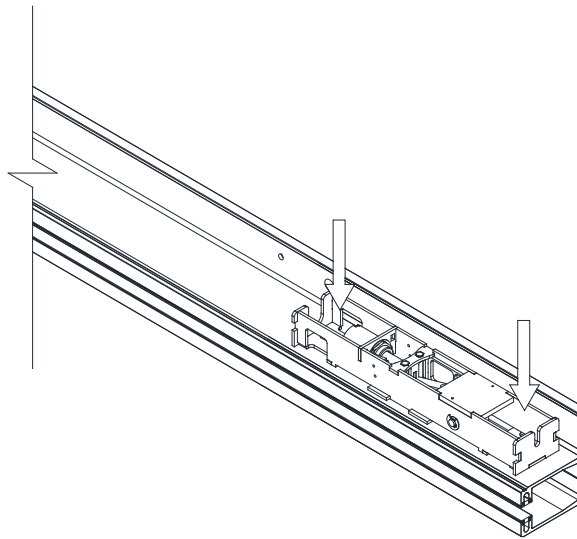


Figure 4

3. Adjust the Auto-lock to the desired vertical position. For proper alignment both Auto-locks need to be adjusted by the same amount.
4. Once the Auto-lock is in position secure the Auto-lock by tightening the mounting screws from Step 3.

Section 4 – Auto-lock Field Adjustment

Depending on the door type the cable may come out of the top of the Auto-lock cover or be routed inside the guide. If the cable is routed through the guide then skip Step 5.

5. Insert the D-shaped rubber grommet into the cover per **Figure 5**. The rubber grommet can be slid up or down to give more slack in this step.

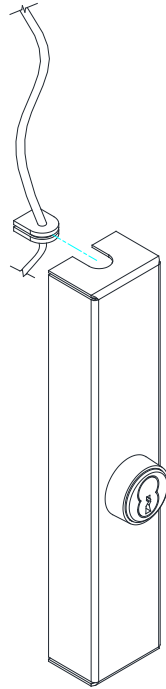


Figure 5

6. The cover can now be reinstated. Push the cover onto the Auto-lock so that it sits flat on the guide. Tighten the button head hex drive screw to secure the cover. See **Figure 6**

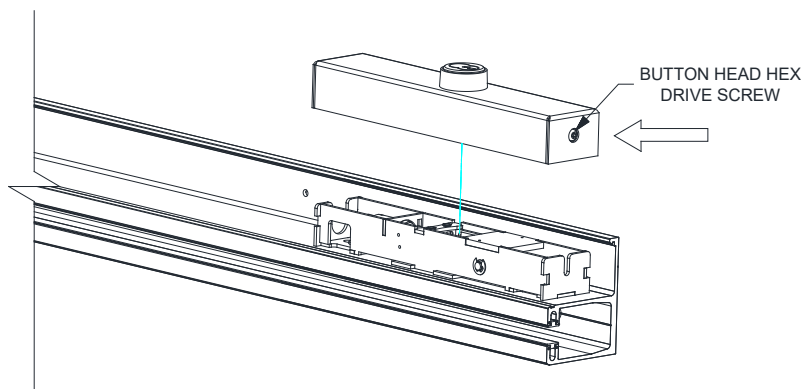


Figure 6

Section 4 – Auto-lock Field Adjustment

7. The guide is now ready to be mounted to the wall angle/construction per the door installation manual provided.
8. After the door/grille has been installed connect the cables coming from the controller and the Auto-lock. This will be located near the coil. Simply plug in the connectors and twist them tight. See **Figure 7**.



Figure 7

9. The door can now be commissioned. Below are the different modes of operation which may be required during the commissioning process. See **Figure 8**

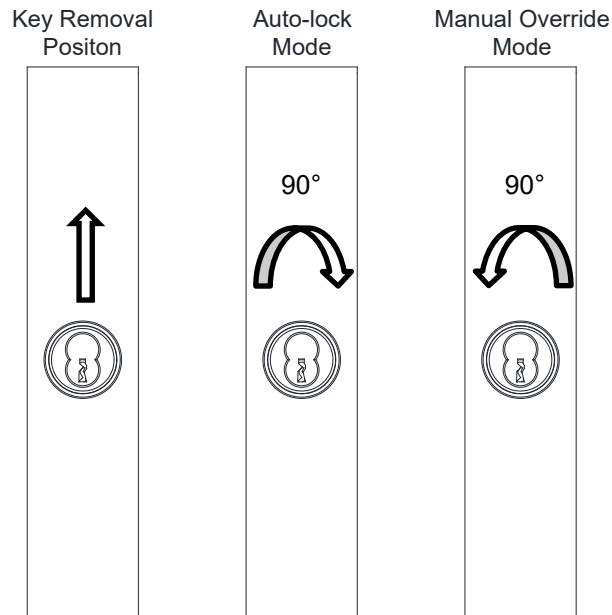


Figure 8

Section 5 – Auto-lock Status Monitor

Section – 5 Auto-lock Status Monitor

NOTICE

Available with APEX controller only.

Optional:

The Auto-lock Module **IM# 523643**, has the capability to output a lock status monitor signal from the control panel if required.

- When the door is closed and the Auto-lock is in the locked position, then the relay will be active.
- When the Auto-lock is not locked, or there is some kind of error with the Auto-lock, then the relay will be in inactive.

To use this feature connect wiring from the Auto-lock Module as shown below in **Figure 9**

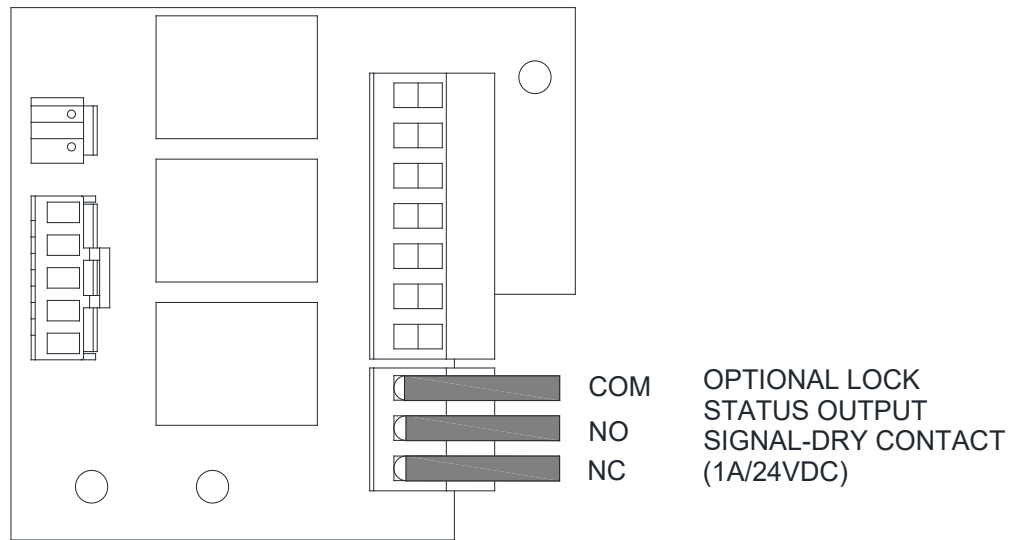


Figure 9

Section 6 – Auto-lock Function Test

Section – 6 Auto-lock Function Test

After the door is commissioned, the Auto-locks should be tested with the following steps:

1. Press the close button to close the door.
2. When the door is closed, attempt to lift the bottom bar to see if the bottom bar is stopped by the lock.
3. Check the controller for any errors. If errors are present inspect the Auto-lock signaling the error. By default Lock 1 will be connected to the controller using the shorter cable **IM #200408** and Lock 2 will be connected to the controller using the longer cable **IM #200409**. Clear any obstructions that may be causing interference at the Auto-lock.
4. Make sure the bottom bar is resting on the floor when the door is fully closed. Clear obstructions if necessary.
5. Set **both** locks into manual override mode and repeat steps 1-3. See **Figure 10**

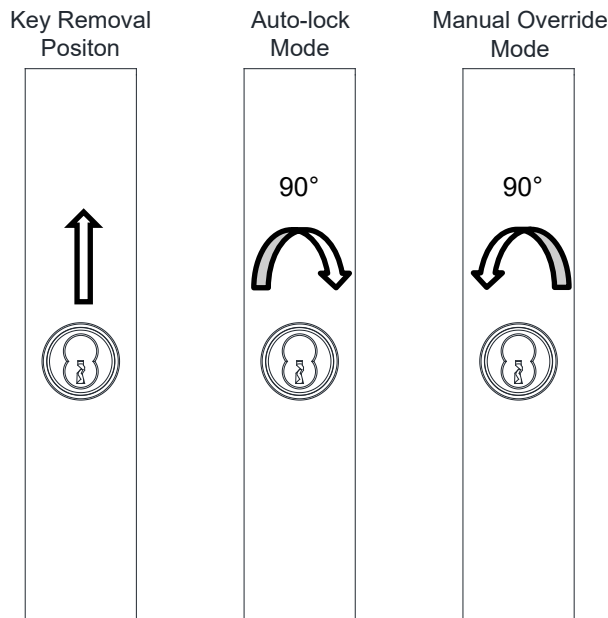


Figure 10

6. If the door is able to open and close in both Auto-lock Mode and Manual Override Mode then the door is ready for use.

NOTICE

Ensure that the door is set for the appropriate mode of operation (either Auto-lock Mode or Manual Override Mode) before leaving the job side.