

db BioLock (S) / db ELock (S) / db CardLock
Installation Manual



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Determining which Lock Pawl to use

In most situations the pawl from the existing mechanical handle can be re-used with the new lock.

- As all cabinets vary, we offer a wide range to pawls to suit the particular dimensions of your cabinet.
- There are 2 simple measurements that need to be taken to determine which pawl you will need.
- Please obtain the measurements as show in Figure 1 and Figure 2 and contact our electromechanical lock support team on +1 912 231 8175:

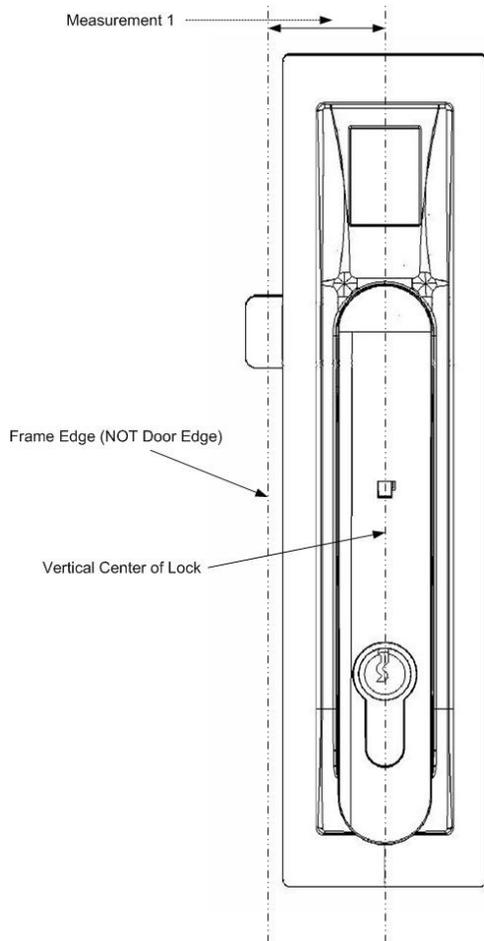


Figure 1

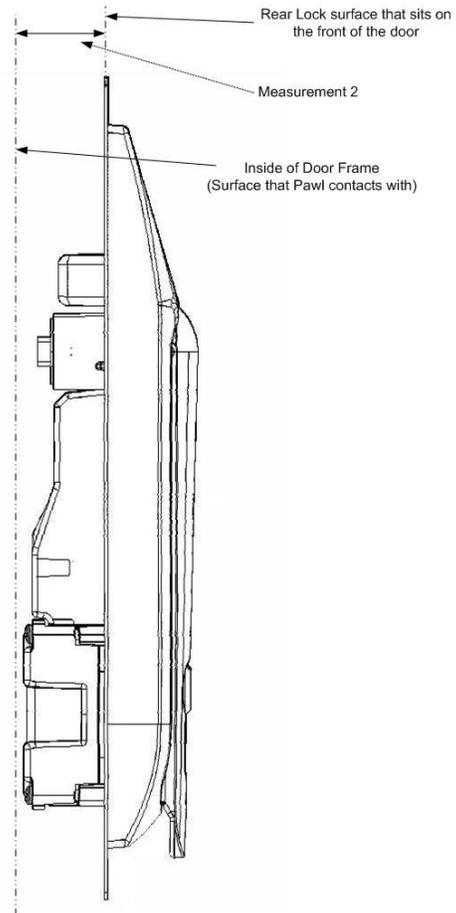


Figure 2

Overview

- If you are installing the lock into to a cabinet that already has a lock installed, remove the existing lock at this time.

For a db BioLock (S), follow the steps below. If you are installing a db ELock (S) or db CardLock skip straight to Step 4a.

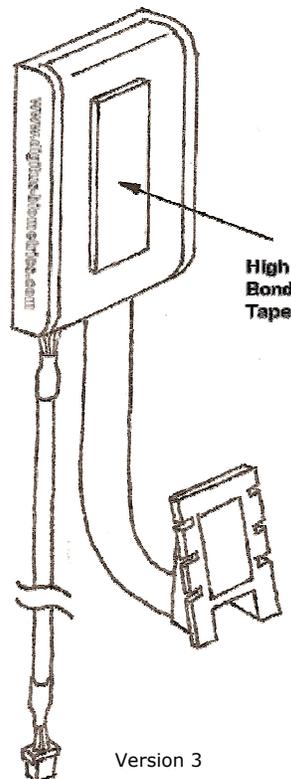
- The "Door Interface Box" provides an interface between the Remote Node and the fingerprint scanner. It also provides all power and signal connections to the electric lock.
- Install the Door Interface Box and electromechanical lock as show in Steps 3 thru 8.

Mounting the Door Interface Box - Step 1

- Before removing the double-sided high bond tape from the Door Interface Box, find a suitable location on the inside of the cabinet door to mount the interface box.
- **Ensure** that the selected location will not affect the cabinet door from closing correctly.
- Note that for glass paneled cabinet doors with very narrow frames, the only suitable location may be on the glass.

Ensure that the interface box is located close enough to the lock opening in the door, so that the finger-sensor on the ribbon cable can go through the door and connect into the lock, see Figure 5.

- Once you've found a suitable location where you intend to mount the Door Interface Box, ensure that the door surface is clean and free from any debris. (Using neat alcohol to clean the surface is highly recommended. Allow drying time before proceeding.)
- Remove the protective cover from the double-sided high bond tape located along the edge of the Door Interface Box.



Mounting the Door Interface Box – Step 2

- Attach the Door Interface Box to the inside door surface. Only apply a slight amount of pressure to the high bond tape until you have ensured that the Door Interface Box will not prevent the cabinet door from closing.
- Once you have ensured that the door will close properly and the finger sensor can attach to the lock, apply more pressure to the high bond tape. The more pressure applied, the greater the bond.

IMPORTANT:

Ensure that the Interface Box is located close enough to the lock opening in the door, so that the finger-sensor on the ribbon cable can go through the door and connect into the lock, see Figure 6.

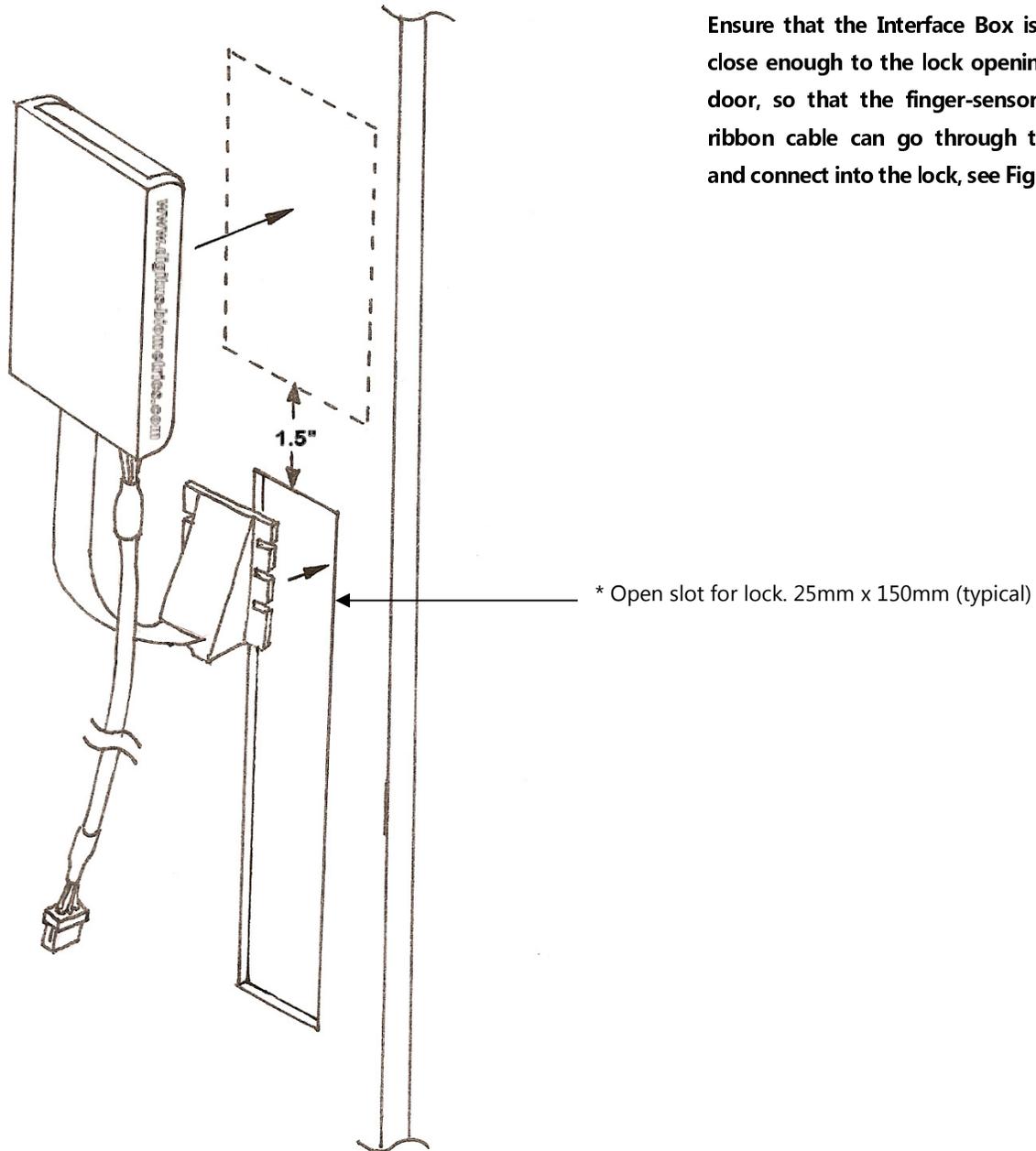
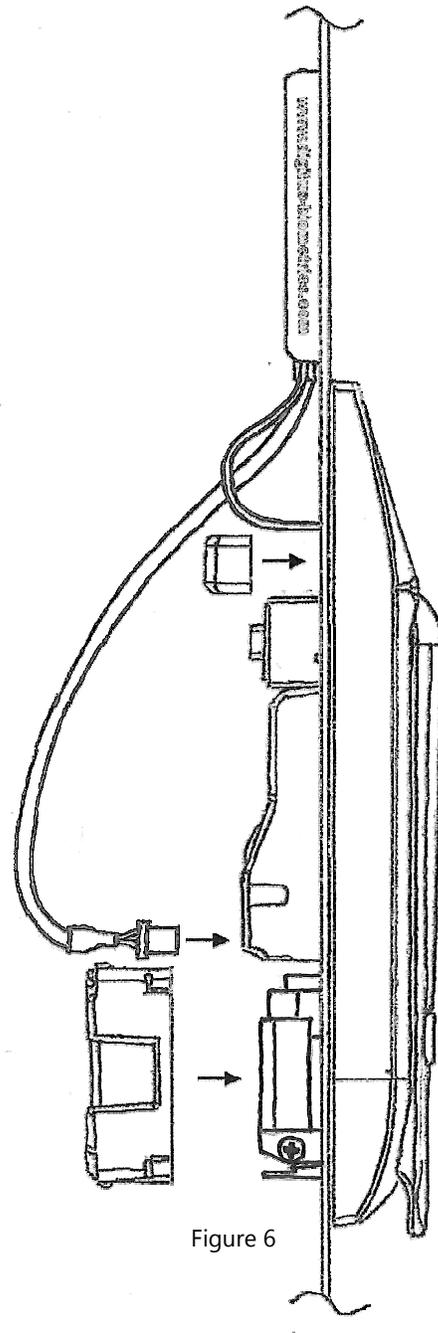
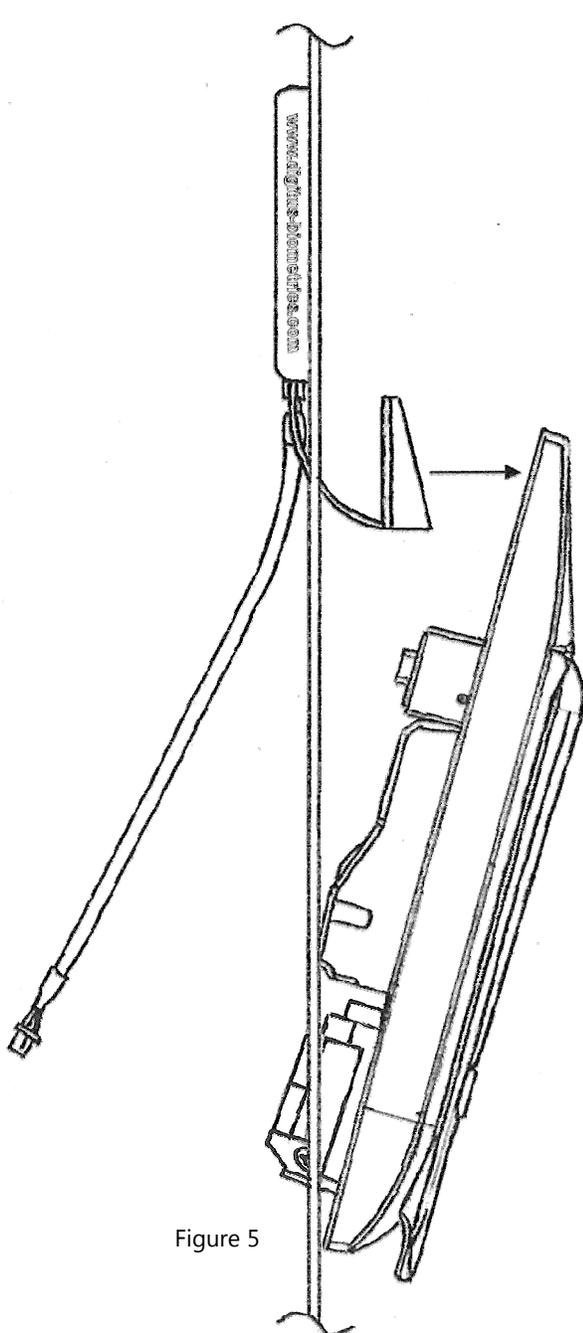


Figure 4

Mounting the Door Lock – Step 3

- Push the finger-sensor assembly through the door lock opening as shown in Figure 5.
- Attach the finger-sensor assembly into the back of the door lock as show in Figure 6. Ensure that the angle of the finger-sensor assembly and the angle of the door lock are as shown in Figure 6.
- Situate the lock on the outside of the cabinet door so that the ribbon cable attached to the finger-sensor assembly is at the top of the lock opening.

Note. When situating the lock through the hole in the cabinet door, the fit may be very tight. Use gentle force to push the lock into place



Securing the Door Lock - Step 4a

- Secure the lock to the door using the top mounting bracket and bottom mounting bracket as show in Figure 7a. Do not over-tighten the screws in the bottom mounting bracket as this may jam the lock mechanism.
- For the db BioLock, connect the Door Interface Box to the back of the lock as shown in Figure 7a using the supplied 8" cable. **The wire will only plug in one way.**

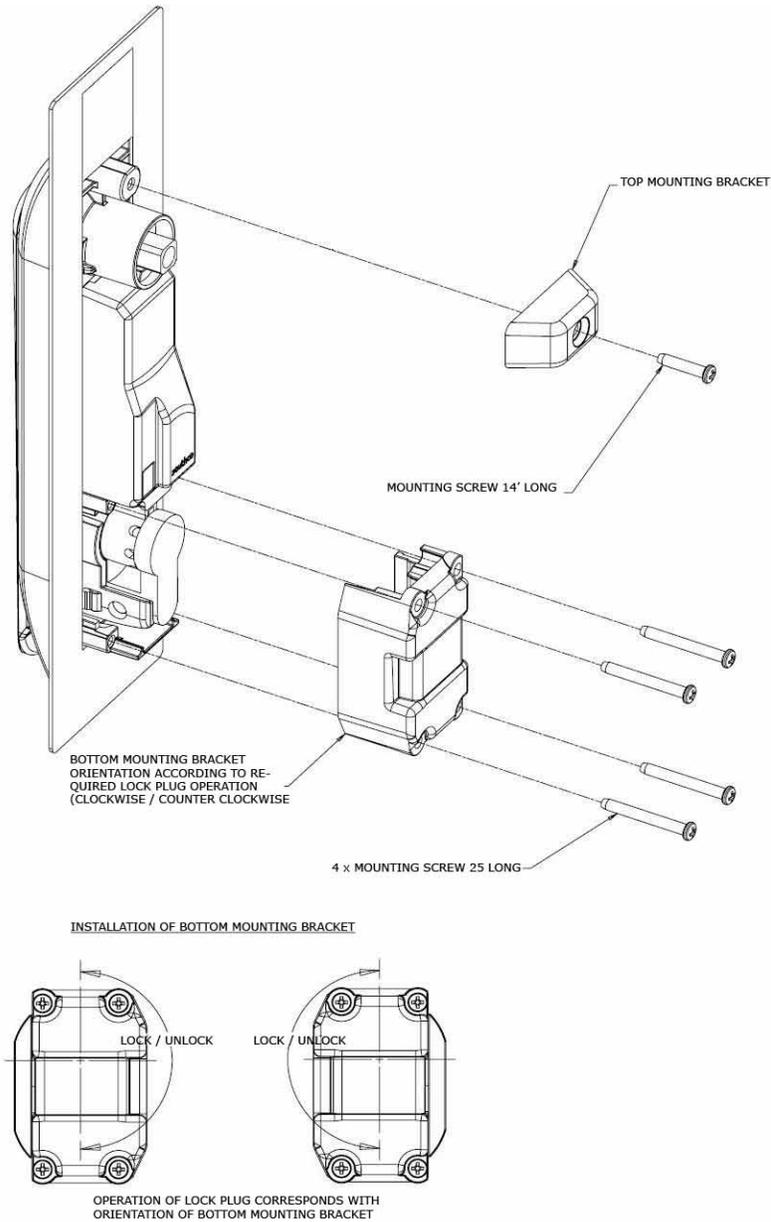


Figure 7a

Installing the Pawl on the Door Lock- Step 4b

- Page 3 of this document describes how to determine which pawl you will need, depending on the make and model of cabinet.
- The pawl is installed as shown in Figure 7b. Pay particular attention to the Rotation Limiter. This is installed as shown depending on whether you have a right or left hand opening door.

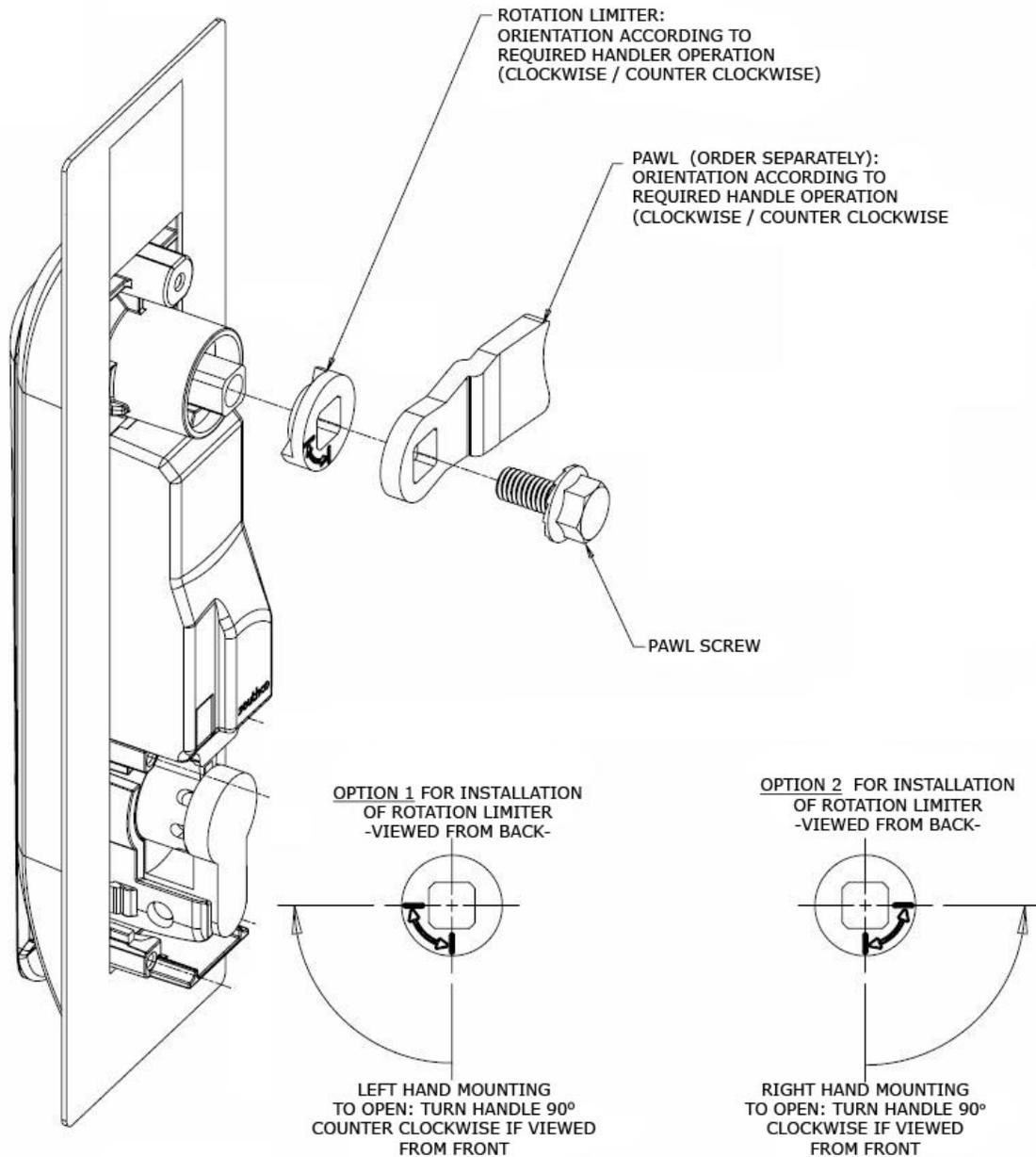


Figure 7b

Final Assembly - Step 5

- Figure 8 shows how the complete assembly should look after installation.

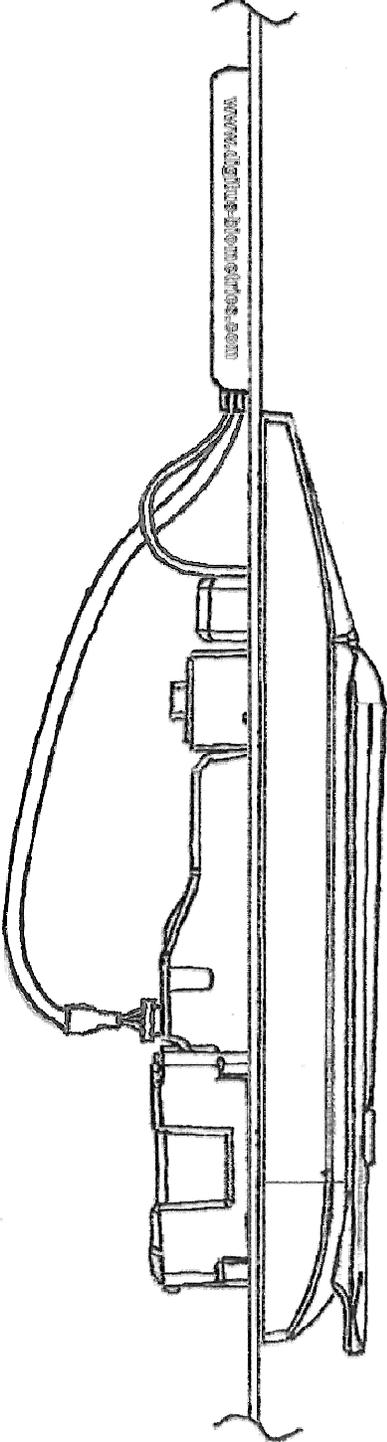


Figure 8

Mount the tie-down pads to the Door and Cabinet – Step 6

- The tie down pads are used to secure the supplied 14' cable that connects the Door Interface Box to the Remote Node / db Sentry Controller for db BioLocks and connects the lock directly to the Remote Node / db Sentry Controller for db Elocks and db CardLocks.
- Ensure that the door surface is clean and free from any debris. (Using neat alcohol to clean the surface is highly recommended. Allow drying time before proceeding.)
- Remove the protective cover from each tie-down pad and situate as shown in Figure 9.

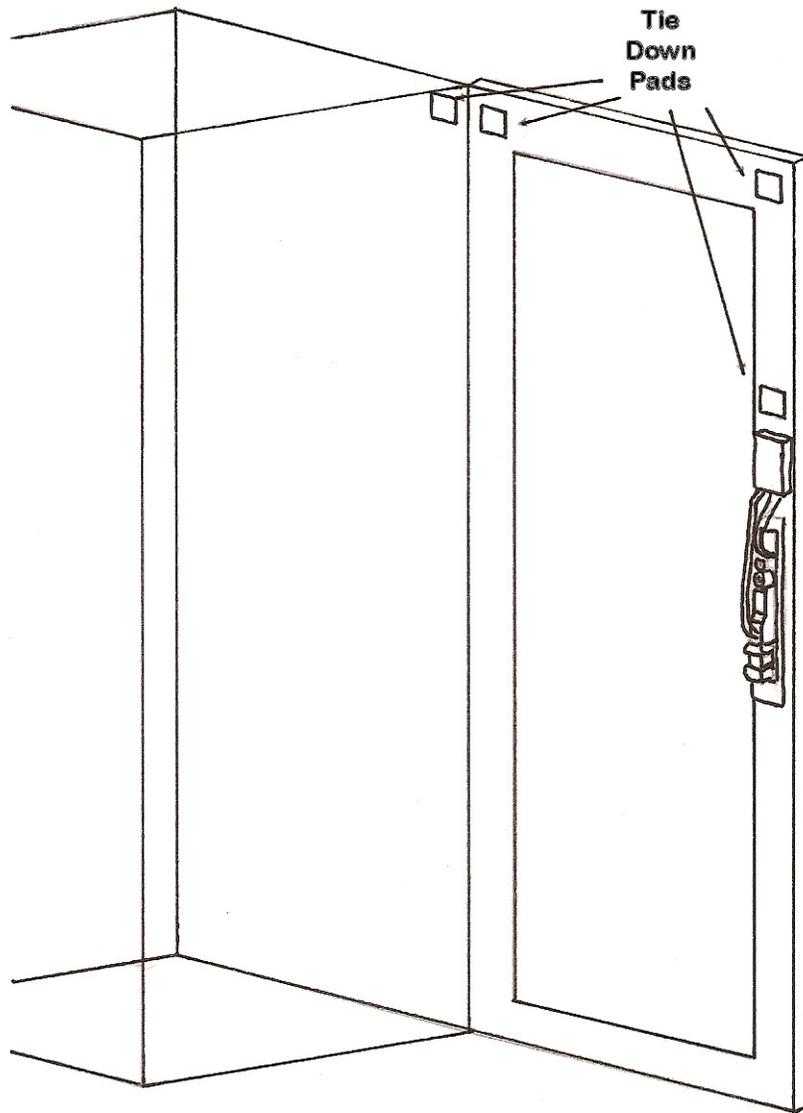


Figure 9

Route the Cable between the lock and the Remote Node / db Sentry Controller – Step 7

- Route the supplied 12' cable as show in Figure 10. Secure the cable to the tie-down pads using the supplied cable-ties.

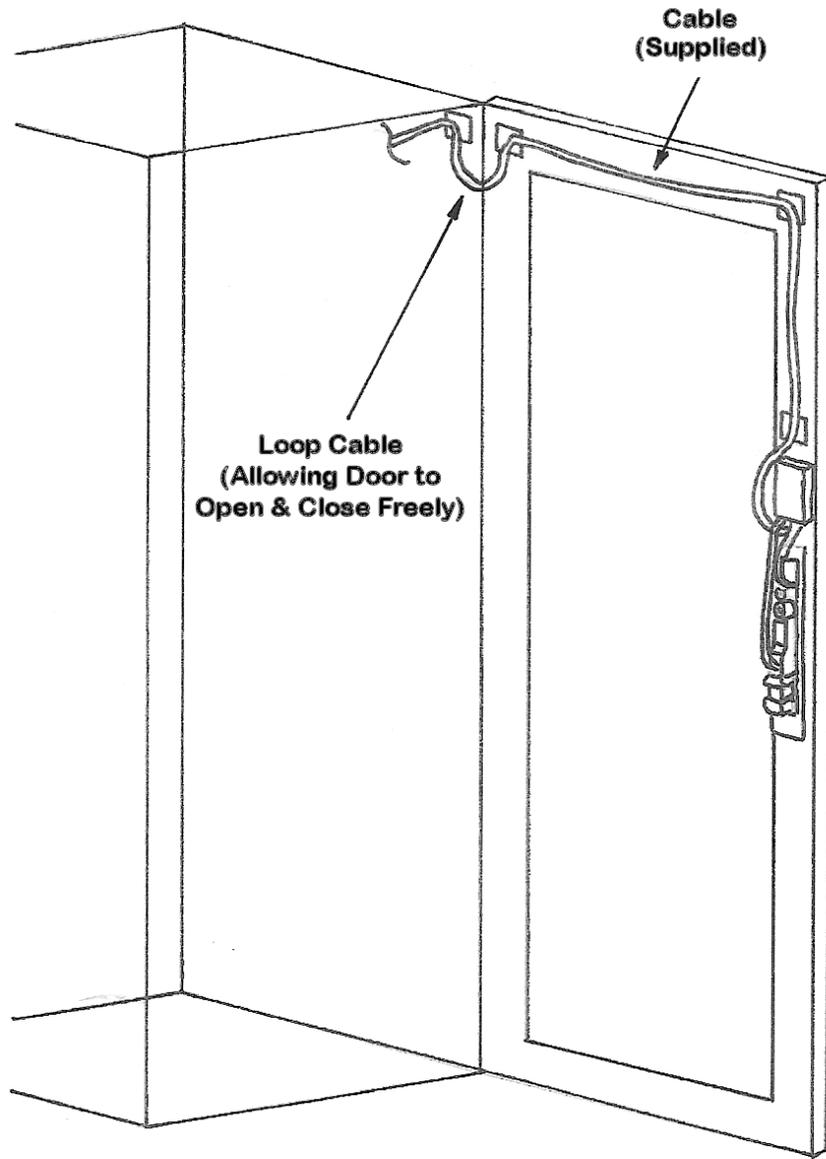
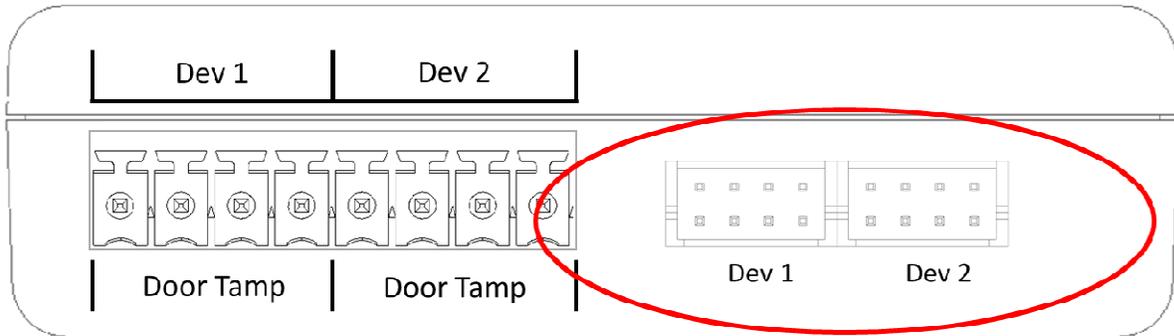


Figure 10

Connect the cable to the Remote Node / db Sentry Controller – Step 8

Locks are connected to the Remote Node or db Sentry's socket circled in the diagram below.

Each Remote Node / db Sentry Controller has two device inputs, Dev 1 and Dev 2.



Side View of Remote Node



Side View of db Sentry

It is recommended that for a cabinet with 2 doors, the front door is connected to Dev 1 and the back door is connected to Dev 2.



Digitus Biometrics, Inc.
2 East Bryan Street, Suite 502
Savannah, GA 31401 USA

Phone: 912-231-8175
Fax: 912.629.9478
www.digitus-biometrics.com
support@digitus-biometrics.com

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