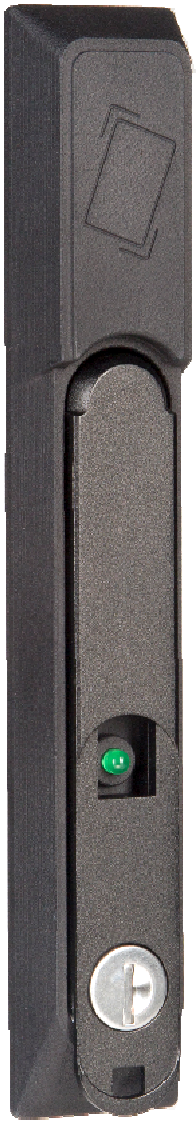
DIGITUS BIOMETRICS
Access Security Solutions

# db ProxLock
# Installation Manual



# Table of Contents

## Determining which Lock Pawl to use

- As all cabinets vary, we offer a wide range to pawls to suit the particular dimensions of your cabinet.

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

- If new pawls are required, there is a simple measurement that needs to be taken to determine which pawl you will need. Using the existing mechanical lock, measure the length of "H" in millimeters (mm) as shown in figure 1. Using "H" determine which pawl is required from Table 1.

- Once the correct pawl model has been determine, please contact our lock support team on +1 912 231 8175

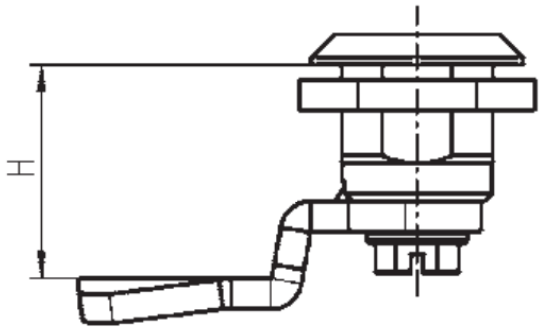



Figure 1

| Standard Pawl | |
|---|---|
| H (mm) | Model # |
| 4 | 1000-112 |
| 6 | 1000-22 |
| 8 | 1000-113 |
| 10 | 1000-21 |
| 13 | 1000-20 |
| 14 | 1000-19 |
| 16 | 1000-18 |
| 18 | 1000-17 |
| 20 | 1000-16 |
| 22 | 1000-15 |
| 24 | 1000-14 |
| 25 | 1000-27 |
| 26 | 1000-50 |
| 28 | 1000-13 |
| 30 | 1000-28 |
| 32 | 1000-26 |
| 34 | 1000-12 |
| 35 | 1000-11 |
| 36 | 1000-51 |
| 38 | 1000-52 |
| 40 | 1000-25 |
| 42 | 1000-53 |
| 44 | 1000-54 |
| 45 | 1000-10 |
| 47 | 1000-55 |
| 50 | 1000-56 |

| Pawl with Rod Control | |
|---|---|
| H (mm) | Model # |
| 4 | 1000-U63 |
| 6 | 1000-U21 |
| 8 | 1000-U64 |
| 10 | 1000-U22 |
| 13 | 1000-U23 |
| 14 | 1000-U24 |
| 16 | 1000-U25 |
| 18 | 1000-U26 |
| 20 | 1000-U27 |
| 22 | 1000-U28 |
| 24 | 1000-U29 |
| 25 | 1000-U30 |
| 26 | 1000-U31 |
| 28 | 1000-U32 |
| 30 | 1000-U33 |
| 32 | 1000-U34 |
| 34 | 1000-U35 |
| 35 | 1000-U36 |
| 36 | 1000-U37 |
| 38 | 1000-U38 |
| 40 | 1000-U39 |
| 42 | 1000-U40 |
| 44 | 1000-U41 |
| 45 | 1000-U42 |
| 47 | 1000-U43 |
| 50 | 1000-U44 |

Table 1

## Overview

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

## Securing the Door Lock - Step 1

- Secure the lock to the door using the top mounting bracket and bottom mounting bracket as show in Figure 1. Do not over-tighten the screws in the bottom mounting bracket as this may jam the lock mechanism.

**Note. Do not use an electric screwdriver to tighten the screws.**

- Page 3 of this document describes how to determine which pawl you will need, depending on the make and model of cabinet.

- Pay particular attention to the rotation limiter. This is installed as shown depending on whether you have a right on left hand opening door.

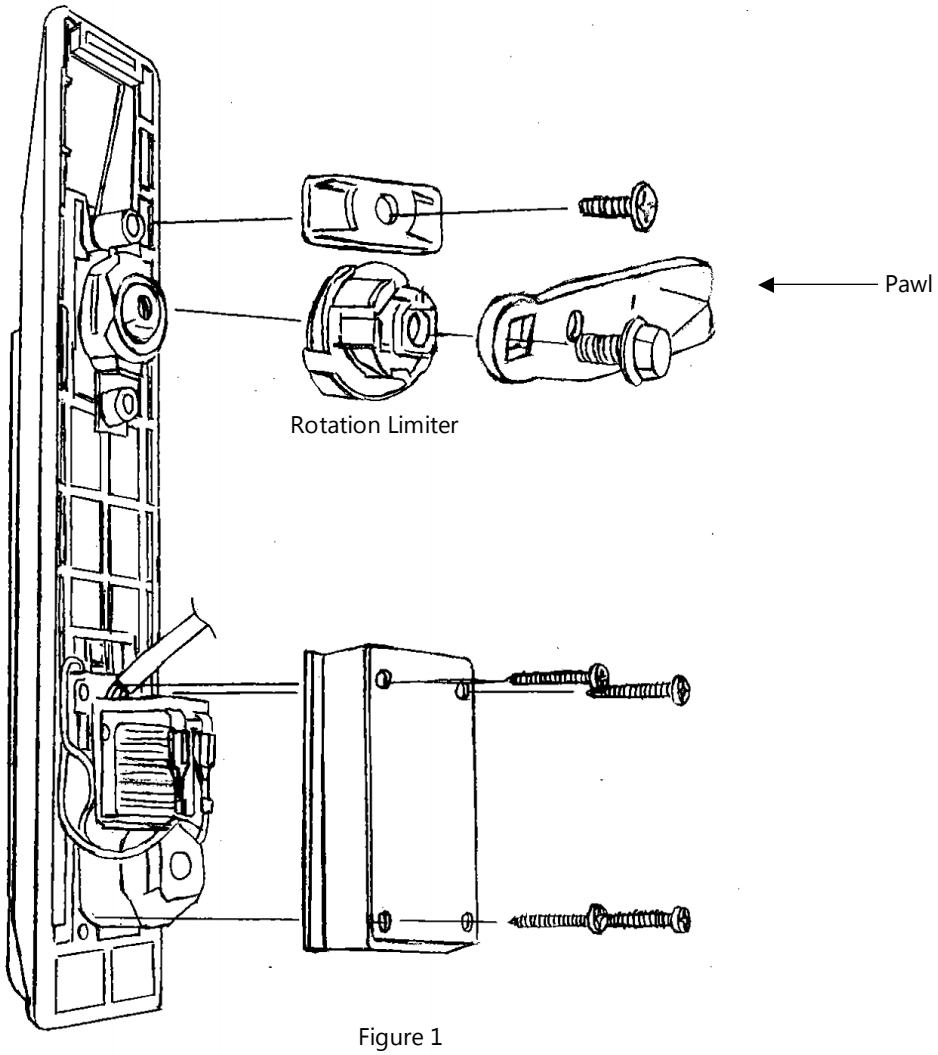



Figure 1

## Mount the tie-down pads to the Door and Cabinet – Step 2

- The ties down pads are used to secure the supplied 6' cable from the lock to the door hinge.
- 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 2.

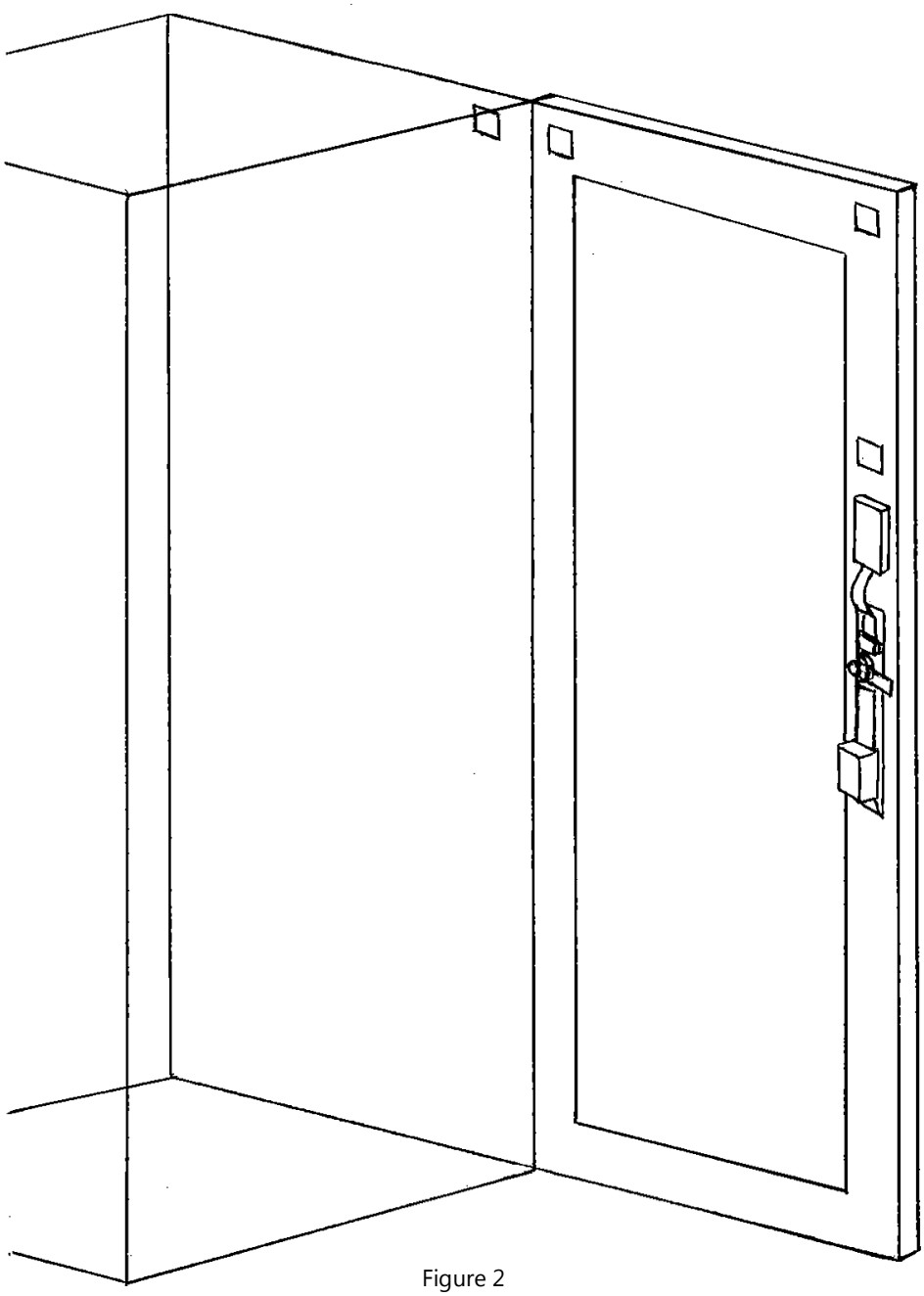


Figure 2

## Route the Cable between the lock and the door hinge – Step 3

- Route the cable as show in Figure 3. Secure the cable to the tie-down pads using the supplied cable-ties.

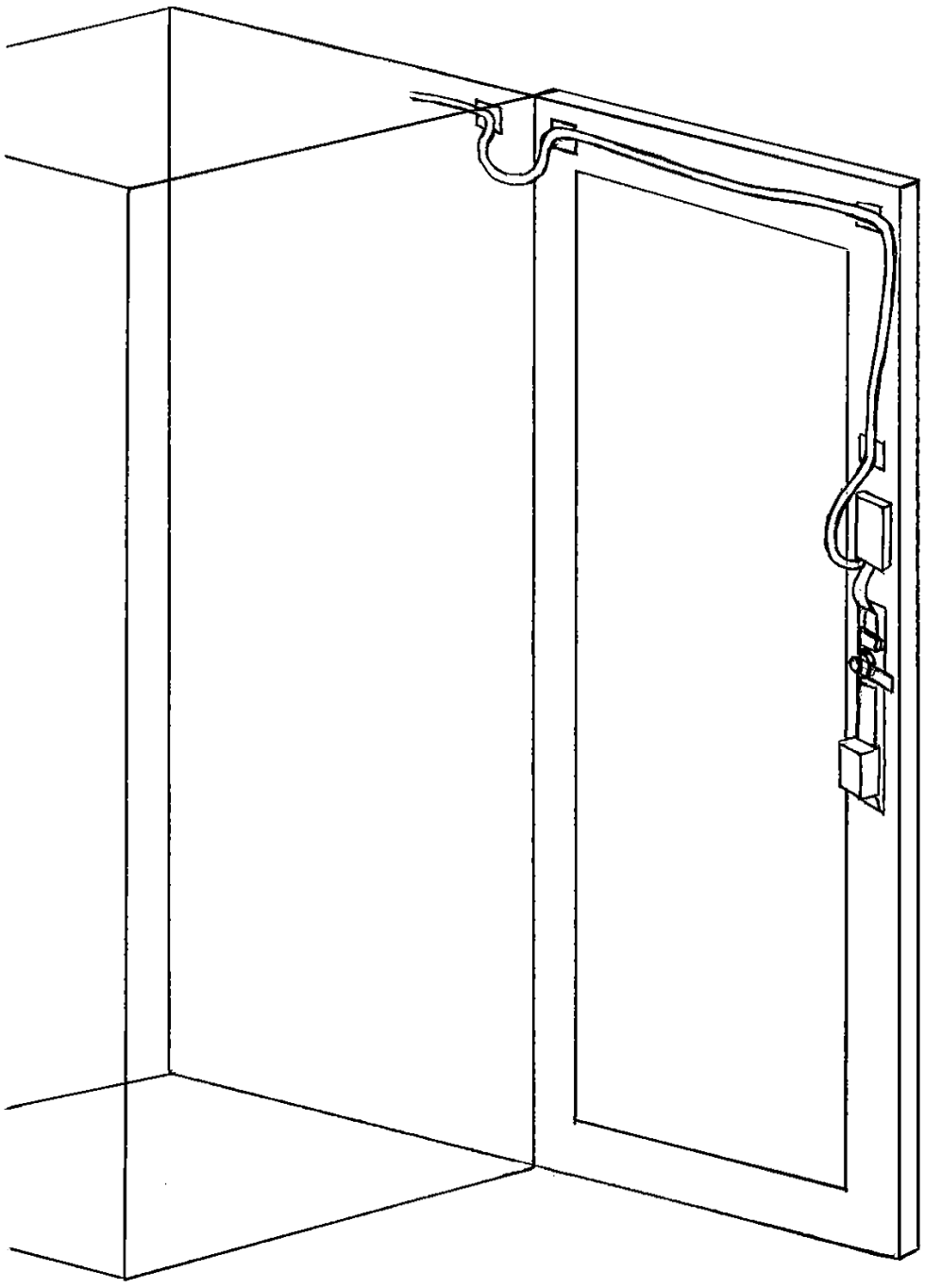


Figure 3

## Connect the cable to the Remote Node / db Sentry Controller – Step 4

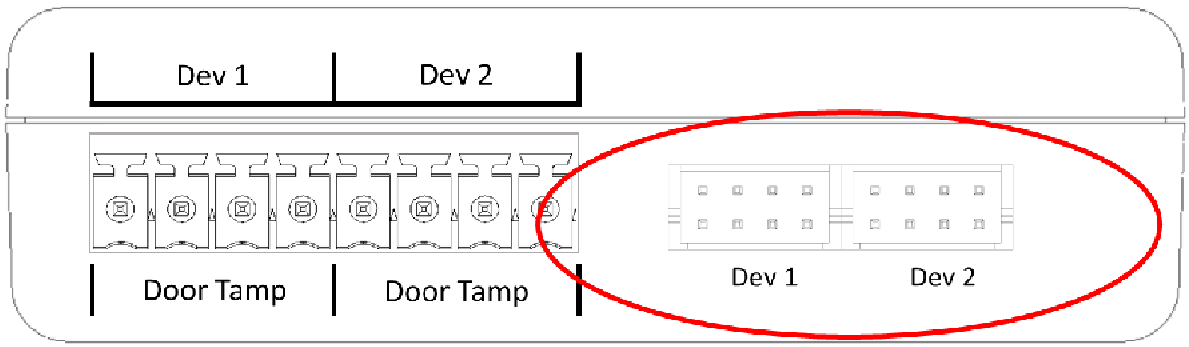
Connect the RJ45 coupler to the RJ45 plug on the cable coming from the db ProxLock

**If the db ProxLock is being connected directly to a 3rd-party access control panel, rather than Digitus control equipment, skip straight to Step 5**

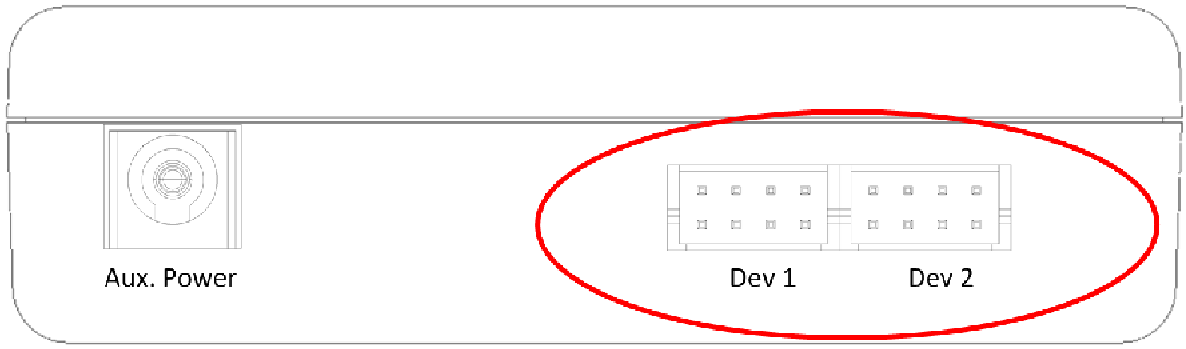
Use the Digitus Application to connect between the RJ45 coupler and the Node or Sentry device. *Note that is a door needs to be fully removed at any time, the lock can be unplugged from the RJ45 coupler, and re-attached once the door is replaced.*

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

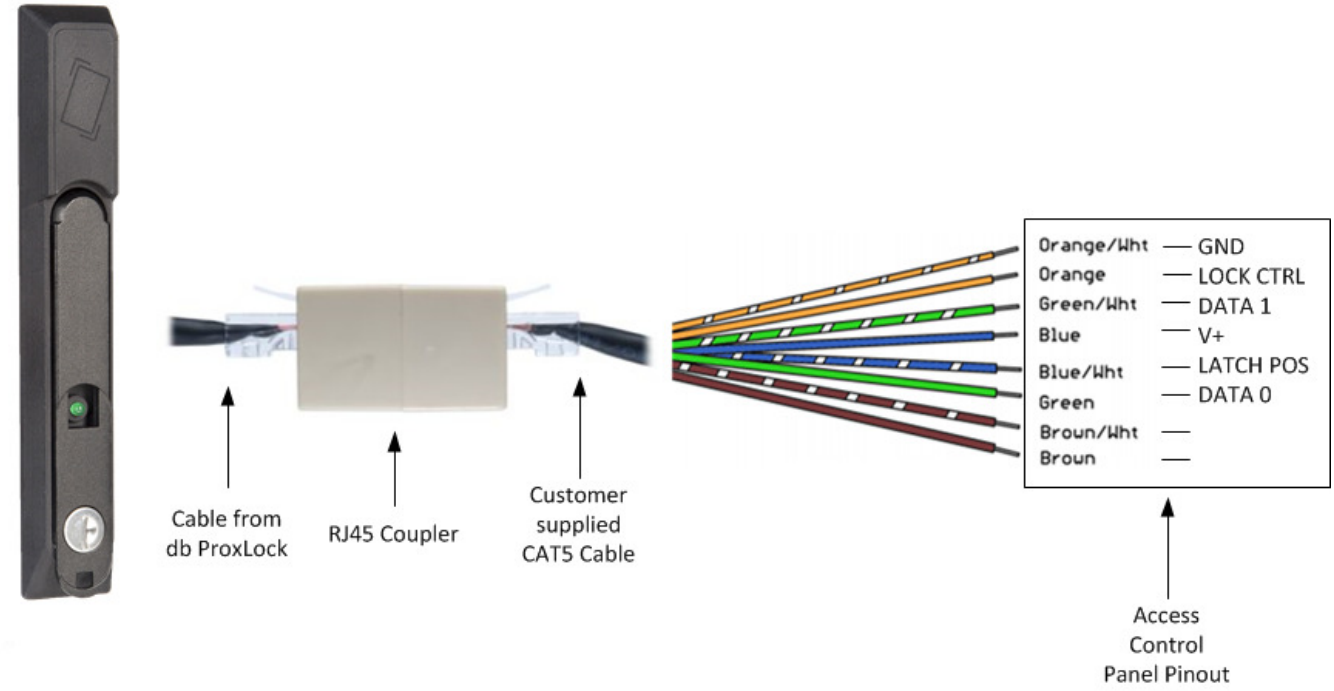



Side View of db Sentry

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.

## Connect the db ProxLock to a 3rd-party access control panel (ACM) – Step 5

**If the db ProxLock is being connect to a Digitus Node or Sentry, this step is not required.**




Orange/White – GND, Ground

Orange – LOCK CTRL. Requires a 12V (24V if a 24V version of the db ProxLock was purchased) control line to unlock the handle

Green/White – Wiegand DATA 1

Blue – V+, Requires a 12VDC Supply

Blue/White – LATCH POS (used to indicate if lock is open or closed) – Will be pulled to Ground (GND) if the handle is closed. Will be open circuit if the handle is open. See diagram below

Green – Wiegand DATA 0

Brown/White – No connection

Brown – No connection


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
Specifications subject to change without notice.