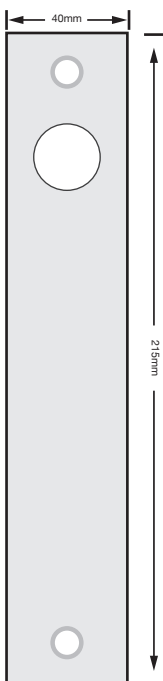




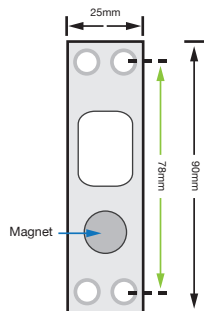
DX Series 1800lb DeadBolt With Delay & Signal

Model: ACDB-DX1100SA

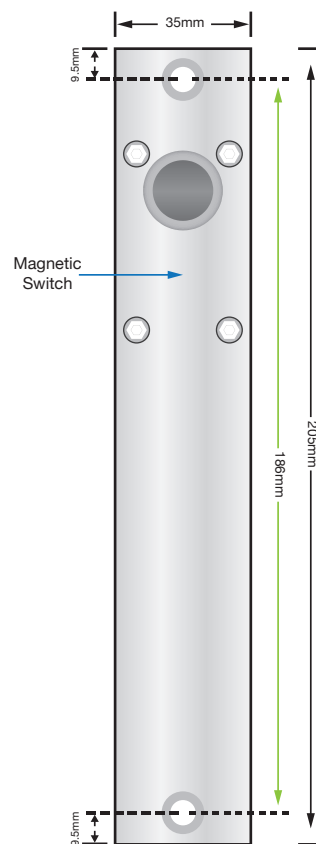
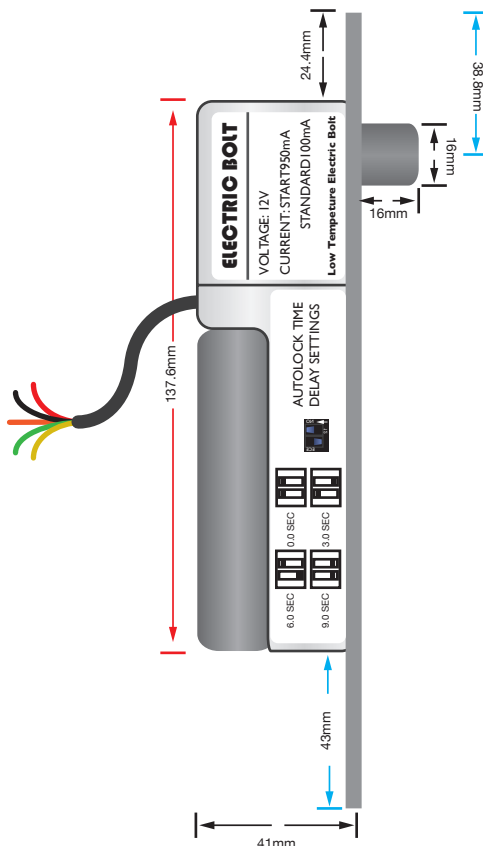
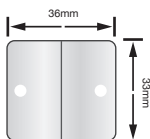
Decorative Plate



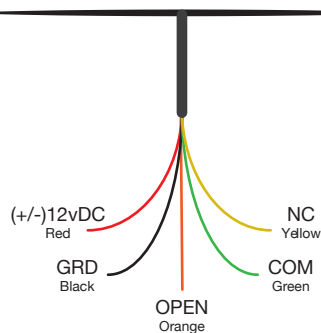
Magnetic Plate



Extended Plate



Cable Diagram



- **+12vDC:** This wire is the 12vDC Input.
- **GRD:** This wire is for the ground output.
- **COM:** This wire is for signal input
- **NC:** This wire will provide signal when the door Closes.
- **OPEN:** This wire allows you to connect to a Push to Exit button directly.

Connecting to DX AC Board

To connect this Dead Bolt to the DX Access Control board please connect the following wires to the corresponding ports.

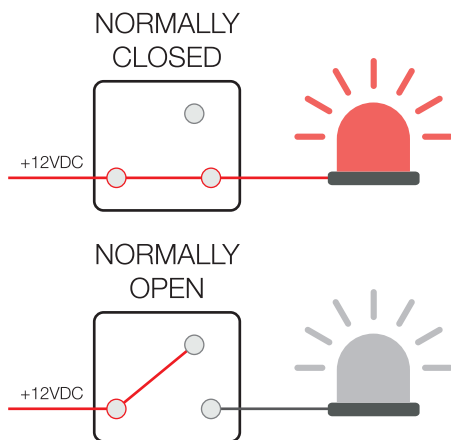
Red Wire = +12vDC Port

Green Wire = SX Port

Black Wire = GRD Port

Yellow Wire = GRD Port (Optional)





What is open and closed? Before we get too far we need to explain what is “open” and “closed”. With electricity “closed” means the circuit is connected and electricity is flowing. “Open” means the opposite. The electrical current is open and no electricity is flowing.

Normally? The idea that something is “normal” means that it is a constant unless a force changes it. Relays will need to be energized and switches such as Door contacts need to be disconnected.

Normally Closed - This is when there is a constant current of electricity in its normal state. Energizing or changing the state will open the contact and disrupt the current.

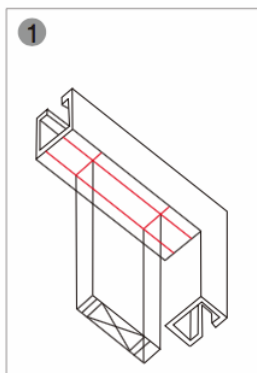
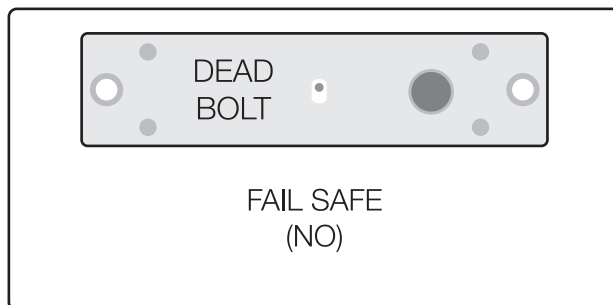
Normally Open - This is when there is no current of electricity in its normal state. Energizing or changing the state will close the contact and allow the current to flow.

Do not over think the concept. It is as easy as it sounds.

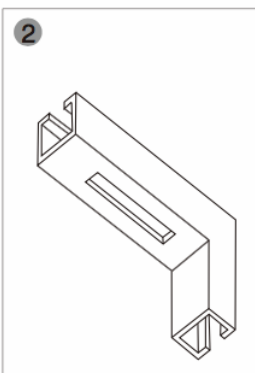
Fail Safe? These products are designed to unlock when power is lost. This ensures that if there is a problem you can quickly exit. Since this is Normally Open device you will want to provide power on order for it to be locked.

Fail Secure? These products are designed to stay locked when power is lost. This ensures your door will stay locked even in the event of a power loss. This might seem like the best option but you have to remember that if it stay locked everyone inside is also locked in. Please make sure to have an internal mechanical exit function to overcome this. Since this is Normally Closed device you will only provide power when needed to unlock.

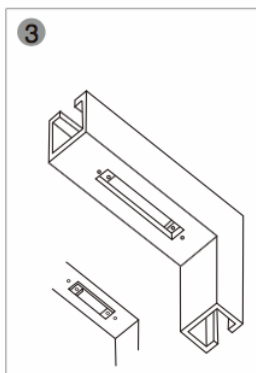
Dead Bolt - These locks work same way a mechanical DeadBolt by inserting a metal bolt into the door to prevent opening. They have a tremendous holding force upwards of 2200lbs. DeadBolts are Fail Safe devices which makes them Normally Open. This means you want to connect the DeadBolt to the NC port to provide power and keep the door locked until requested open. You can place these devices in the frame or door itself.



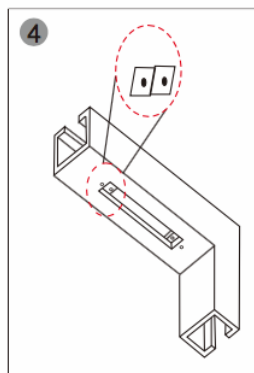
1 Place lock body template to match with door frame center line



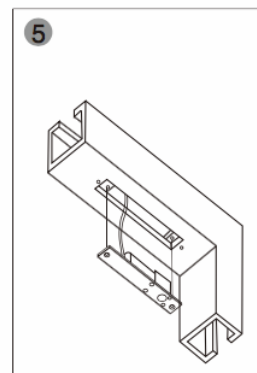
2 Cut hole



3 Fix mounting plate(For hollow metal frame)



4 Connect wires



5 Mount lock body on the door frame and test