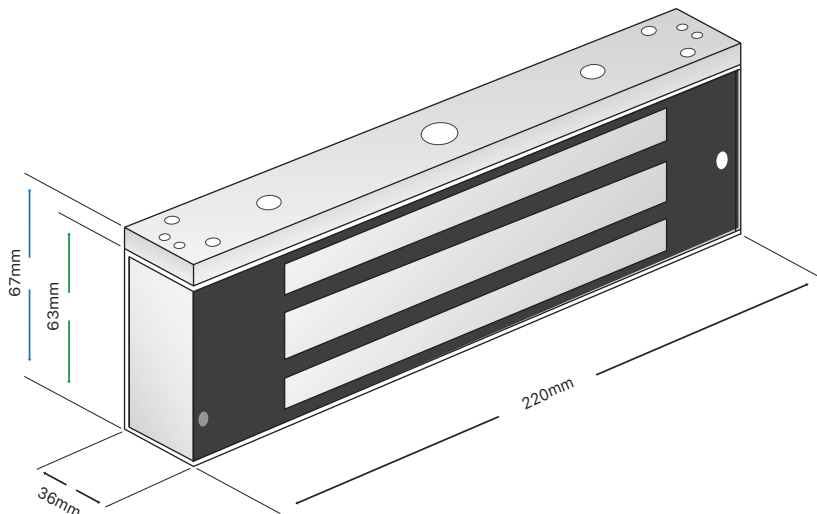
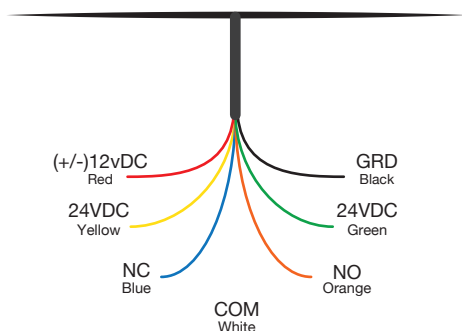




DX Series 1200lb Weather Proof MagLock Model: ACML-DX1200WP

Cable Diagram

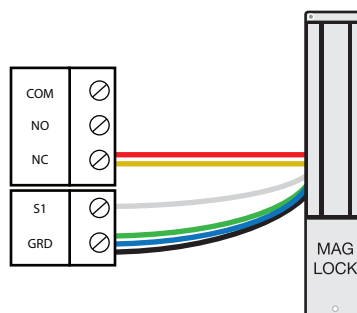


- **+12vDC:** This wire is the 12vDC Input.
- **GRD:** This wire is for the ground output.
- **24VDC:** These wires control the 24VDC connection.
- **COM:** This wire is for signal input
- **NC:** This wire will provide signal when the door Closes.
- **NO:** This wire will provide signal when the door Opens.

Connecting to DX AC Board

To connect this Maglock VIA 12VDC to the DX Access Control board please connect the following wires to the corresponding

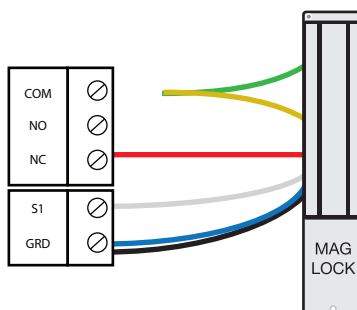
- Red** Wire = +12vDC Port **Yellow** Wire = +12vDC Port
Black Wire = GRD Port **Green** Wire = GRD Port
White Wire = SX Port (Optional) **Blue** Wire = GRD Port (Optional)

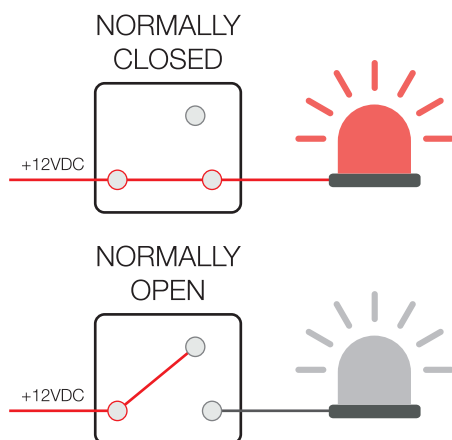


Connecting to DX AC Board

To connect this Maglock VIA 24VDC to the DX Access Control board please connect the following wires to the corresponding

- Red** Wire = +24vDC Port **White** Wire = SX Port (Optional)
Black Wire = GRD Port **Blue** Wire = GRD Port (Optional)
Yellow & Green Wire = Splice Together





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 in 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.

Magnetick Lock - These locks work off magnetic energy to clamp the door shut. They are very strong ranging from 350lbs to upwards of 1200lbs of holding force and can easily be released. MagLocks are Fail Safe devices which makes them Normally Open. This means you want to connect the Maglock 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.

