GML800 Series
Mortise Lock Installation Instructions

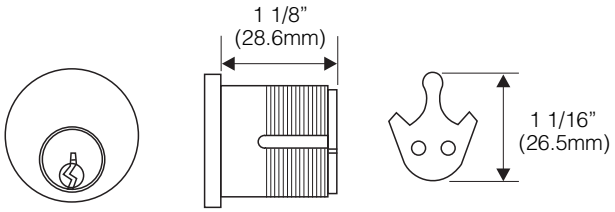
Features

- Field reversible latchbolt to suit left hand (LH) and right hand (RH) doors
- Field reversible fail-safe or fail-secure mode
- Monitoring options: Lock status, Request-to-Exit (inside/ outside lever operation), door status
- Cylinder and keys included

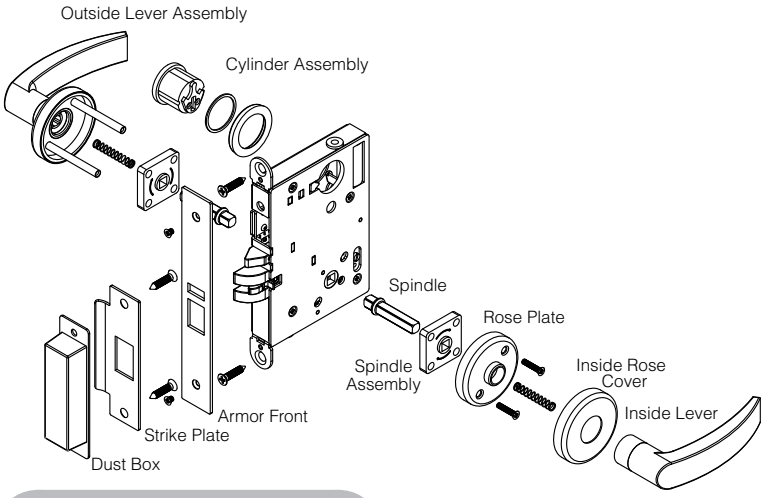
Specifications

- Operating Voltage: Dual voltage 12/24 VDC
- Current Draw: 600mA/12VDC, 300mA/24VDC
- Temperature: +14° to 120°F (-10° to +49°C)
- Humidity: 0 to 85% Non-Condensing
- Backset: 2 3/4" (70mm)
- Finish: Brushed stainless steel (US32D)

Cylinder for GML800 Mortise Lock

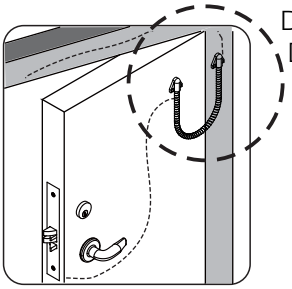


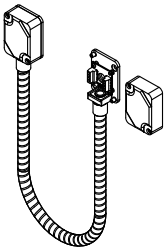
Installation Diagram



Optional Accessories

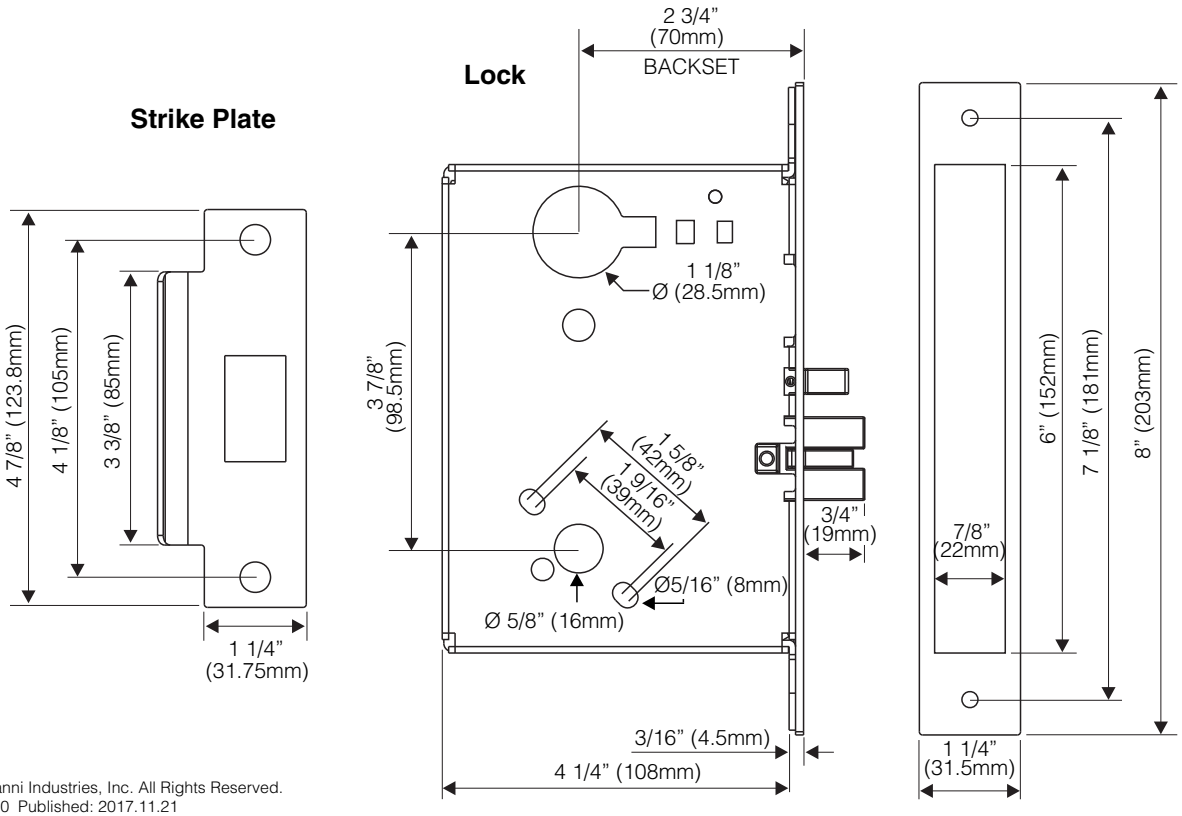
The power transfer door loop protects the running wires from the door frame to door leaf.





DL-360TB Armored Door Loop with PC Board + Terminal Block Connector

Dimensions



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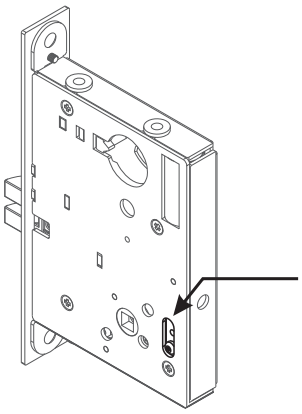
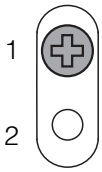
Changing Fail-Safe/Fail-Secure

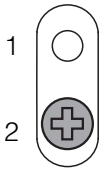
Remove the locking screw, insert the screw into the desired fail-safe or fail-secure setting, and re-tighten the screw.





Fail-Safe

Install the screw through hole 1 and tighten.



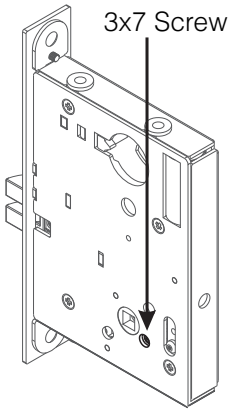
Fail-Secure

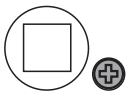
Install the screw through hole 2 and tighten.

*Factory default setting: Fail-secure

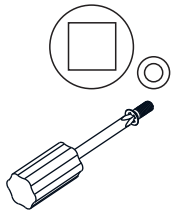
Lever Control

Default Setting: Two 3 x 7 screws are installed on both sides of the lock.





When the 3 x 7 screw is installed, the inside/outside lever can be operated to open the door. Lever operation is monitored.

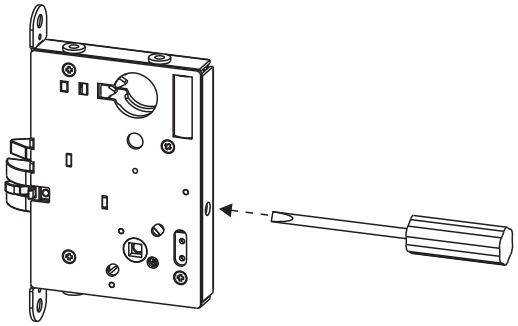


When the 3 x 7 screw is removed, turning the inside/ outside lever cannot open the door. Lever operation is unmonitored. The connected access control device such as a card reader controls the opening of door.

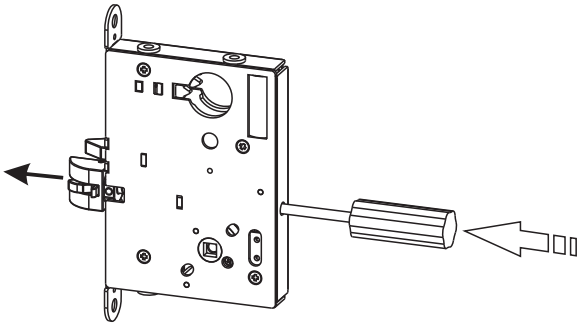
Note:
When the access control device opens the door, the inside/ outside lever still retracts the latchbolt and lever operation is monitored.

Changing Latchbolt Handing

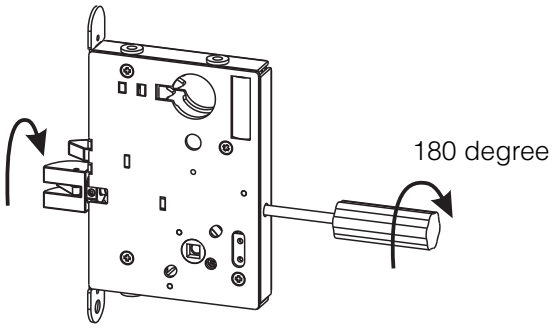
1. Insert the flathead screwdriver into the hole on the back of the lock case.



2. Push forward the flathead screwdriver, and the latchbolt will also be moved forward.

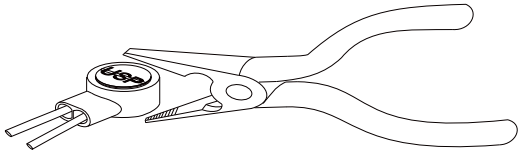


3. Rotate the flathead screwdriver to 180 degree so that the latchbolt will be reversed to the opposite direction.
4. Remove the flathead screwdriver, and the latchbolt will be retracted back into the lock case.



Using the Crimp Connectors

Place the wire inside the connector and use pliers to press down on the head of the connector evenly.



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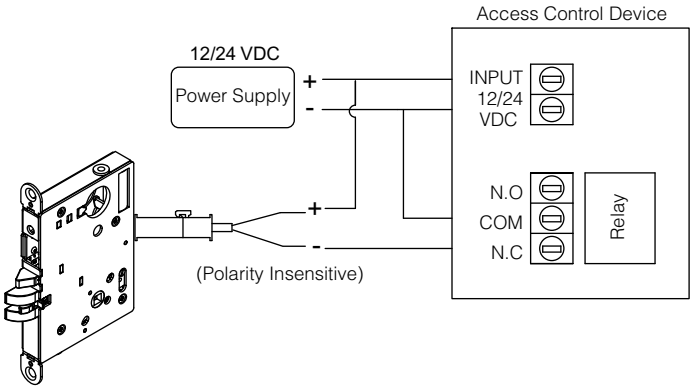
Wiring Diagram

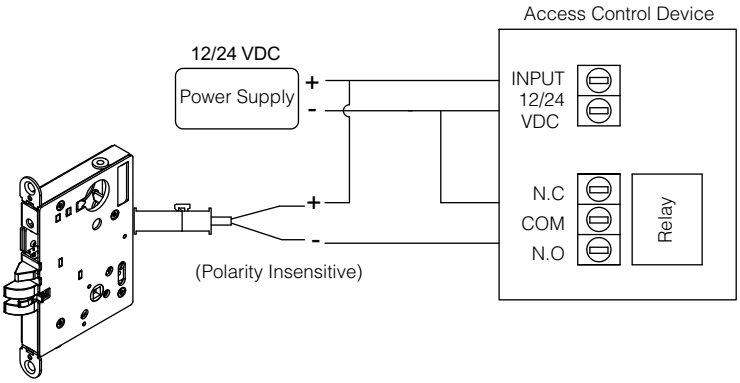
For **12VDC** operaiton, use the supplied electrical connector marked 12 VDC and connects its **red/black** wires to the control device.

For **24VDC** operation, use the supplied electrical connector marked 24 VDC and connects its **white/black** wires to the control device.

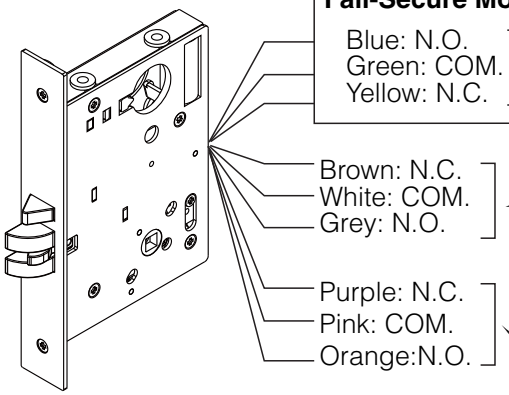
Typical Wiring for Fail-Safe Operation



Typical Wiring for Fail-Secure Operation



Wiring and Monitoring Instructions



Fail-Secure Mode
Blue: N.O.
Green: COM.
Yellow: N.C.

Fail-Safe Mode
Blue: N.C.
Green: COM.
Yellow: N.O.

Lock Monitoring
Lock status output indicates door locked and unlocked.
When power is not applied, connect the wires as shown for monitoring lock status.
Contact Rating: 1A/40VDC

Brown: N.C.
White: COM.
Grey: N.O.

Lever Monitoring
Request-to-Exit output indicates lever operation. When lever operation is monitored, latchbolt can be retracted by lever for immediate exit.
When lever is not operated, connect the wires as shown for monitoring lever operation.
Contact Rating: 1A/40VDC

Purple: N.C.
Pink: COM.
Orange:N.O.

Door Status Monitoring
Door status output indicates door open and closed.
When door is open, connect the wires as shown for monitoring door status.
Contact Rating: 1A/40VDC

GML800 Series Options

Models	Lock Monitor	Lever Monitor	Door Status Monitor	Lever Set
GML800-1224	—	—	—	—
GML800-1224-SET	—	—	—	●
GML800M-1224	●	●	—	—
GML800M-1224-SET	●	●	—	●
GML800MDS-1224	●	●	●	—
GML800MDS-1224-SET	●	●	●	●

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