

GML800 Series

Electromechanical Mortise Lock Installation Instructions

Features

- Field reversible latchbolt to suit left hand (LH) and right hand (RH) doors
- Field changeable fail-safe or fail-secure
- Monitoring options: Lock status, Request-to-Exit (inside/ outside lever rotation), Door status

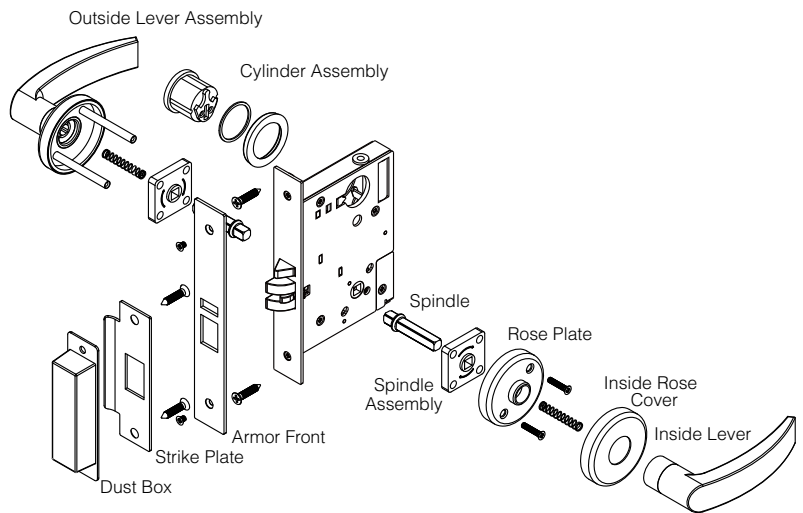
Specifications

- 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)
- Endurance: 100, 000 cycles (UL tested)
250, 000 cycles (Factory tested)

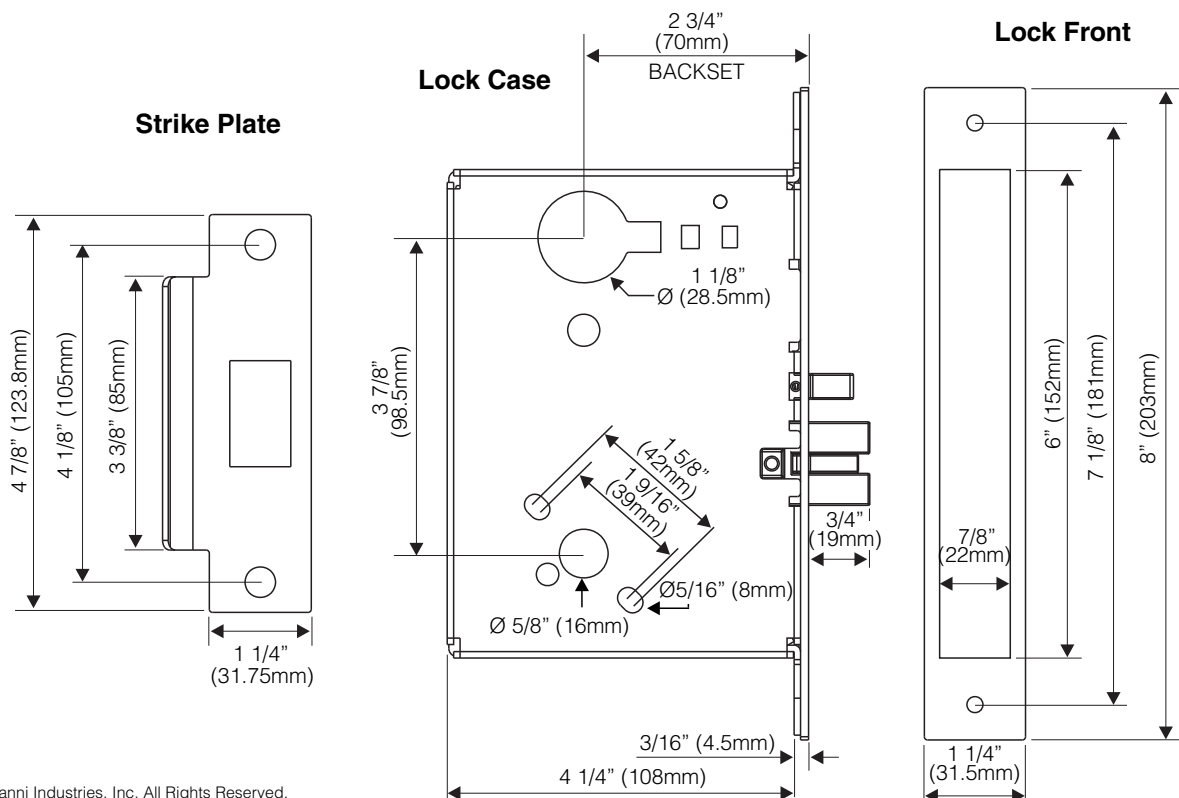
Building/Life Safety Code Compliant

- UL 294 Indoor Use
- National Electrical Code, NFPA70
- ANSI/NFPA 101 Life Safety Code, Special Locking Arrangements (Section 7.2.1.6)
- BOCA National Building Code, Special Locking Arrangements (Delayed Egress Locks) (Section 1017.4.1.2)
- BOCA National Building Code, Access-Controlled Egress Doors (Section 1017.4.5)
- International Building Code, Special Locking Arrangements (Section 1008.1.9.6)

Installation Diagram



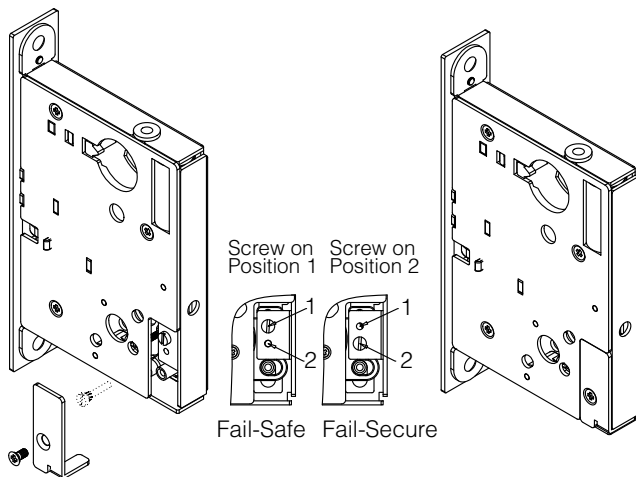
Dimensions



Changing Fail-Safe/Fail-Secure

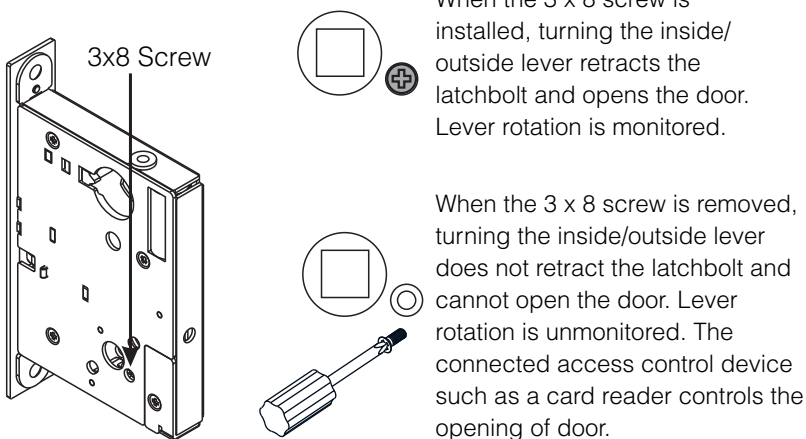
Remove the cover plate at the bottom corner of case.
Use the internal screw to set fail-safe or fail-secure operation.

(Factory default setting: fail-secure)



Lever Control

Default Setting: Two 3 x 8 screws are installed on both sides of the lock.

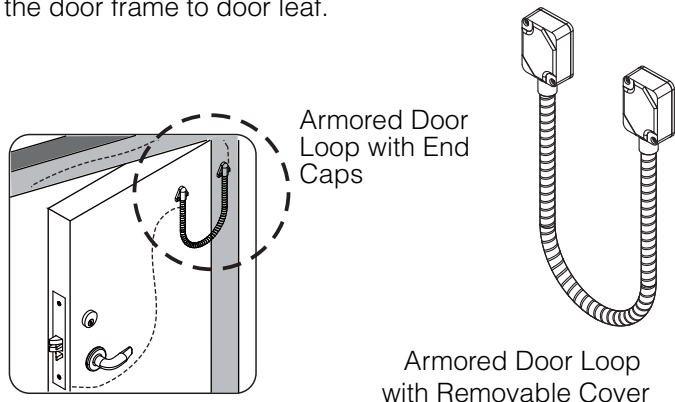


Note:

When the access control device is used to open the door, turning the inside/outside lever still retracts the latchbolt and lever rotation is monitored.

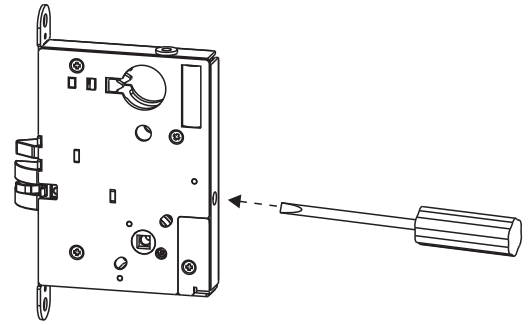
Optional Electrical Accessories

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

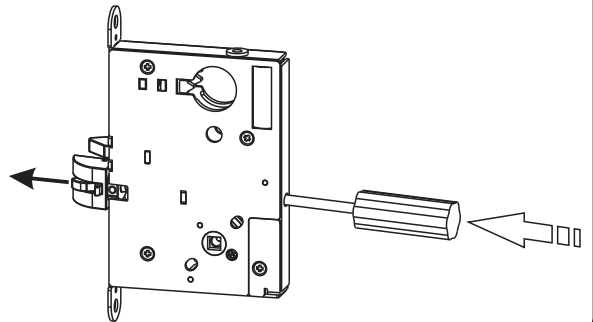


Changing Latchbolt Handing

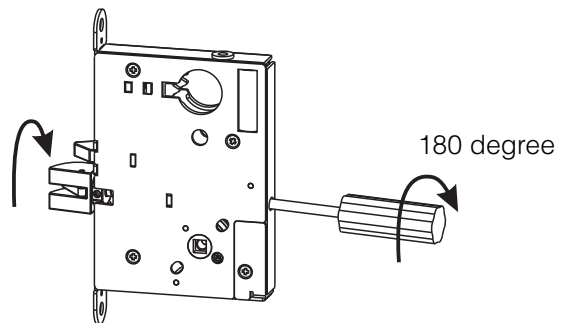
1. Insert the flathead screwdriver into the hole on the back of the lock case.



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

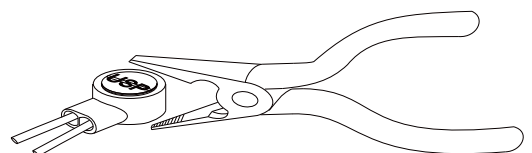


3. Rotate the flathead screwdriver to 180 degree so that the latchbolt will be reversed to the opposite direction.
4. Remove the flathead screwdriver, and the latchbolt will be retracted back into the lock case.



Using the Crimp Connectors

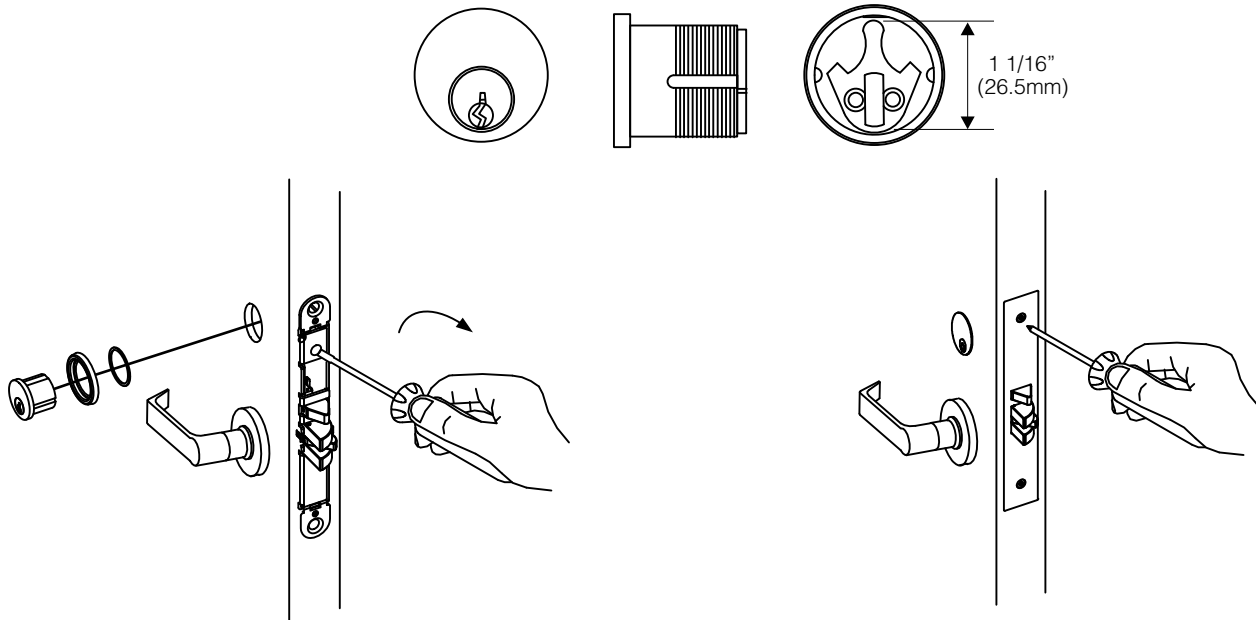
Place the wire inside the connector and use pliers to press down on the head of the connector evenly.



Installing Cylinder and Armor Faceplate

1. Screw cylinder into threaded hole of lock case.
2. Tighten the screw against cylinder(s) by turning clockwise as shown.
3. Install faceplate onto lock case front and fasten with supplied screws.

Note: Cylinder assembly is not included. The GML800 series needs to be used with a UL 437 lock cylinder.

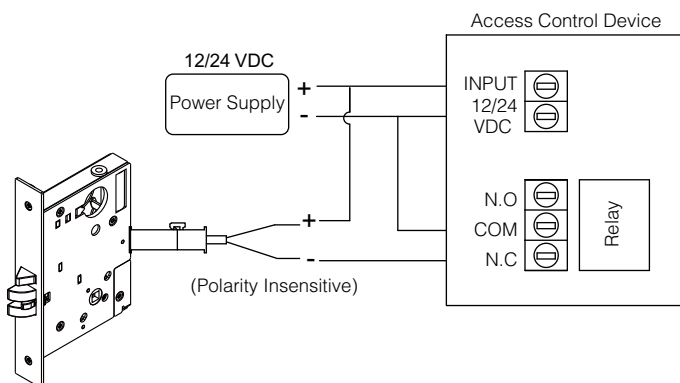


Wiring Diagram

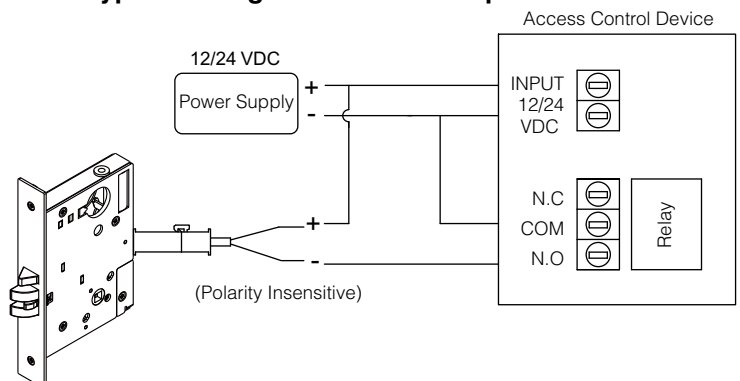
For **12VDC** operation, use the supplied electrical connector marked 12 VDC and connects its **red/black** wires to the control device.

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

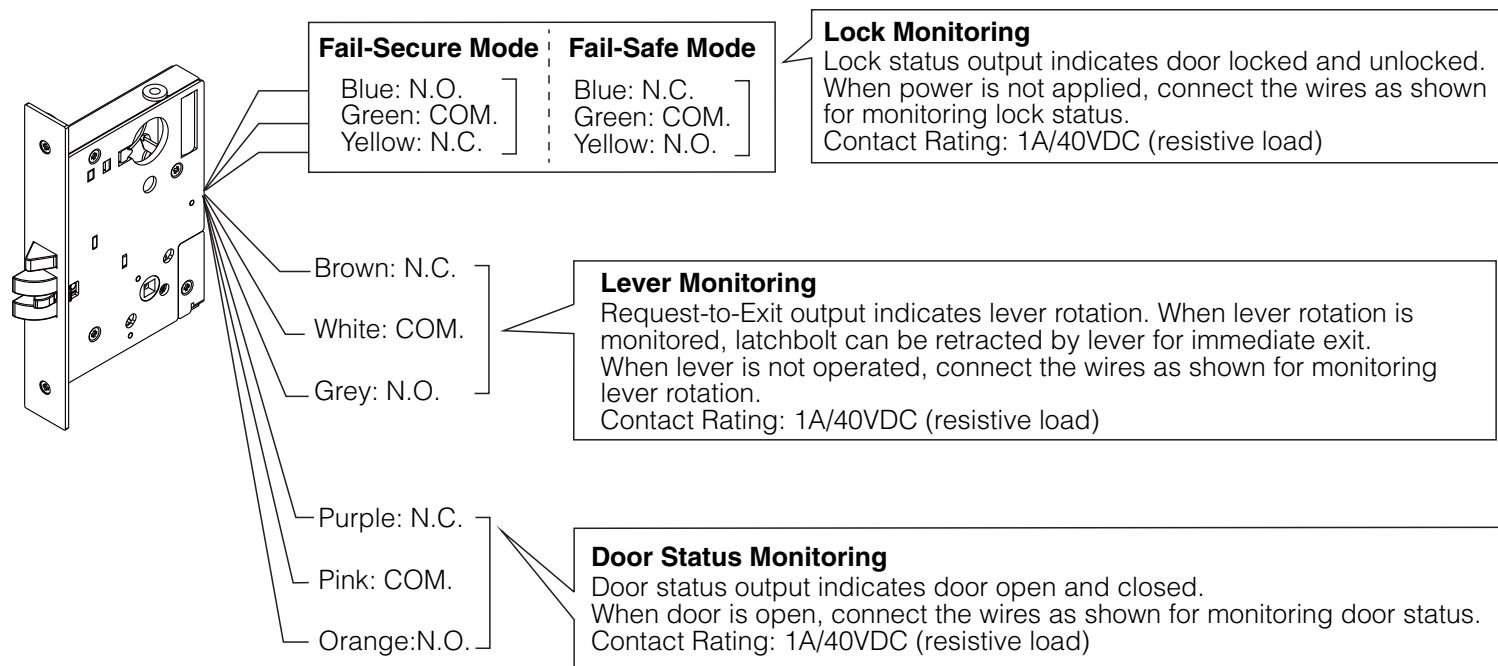
Typical Wiring for Fail-Safe Operation



Typical Wiring for Fail-Secure Operation



Wiring and Monitoring Instructions



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	●	●	●	●