

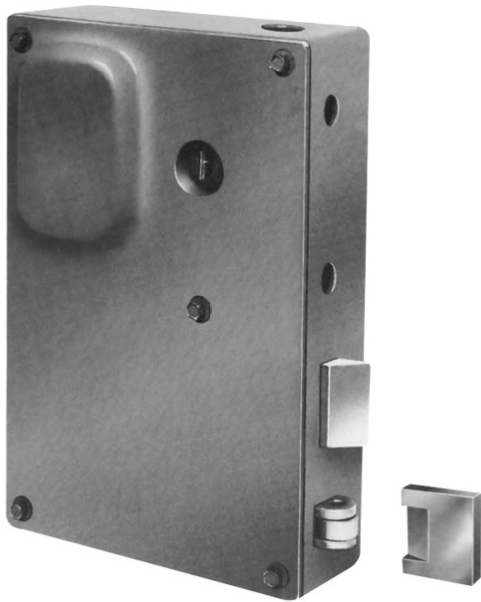
51M Deadlatch



Folger Adam

Electric Locks

51M Deadlatch



Optional Features

- Continuous-duty function – Using a two-position, maintained contact switch, and a two-position cam on the motor, the latchbolt may be held retracted for extended periods. The latchbolt extends only when the door is open and the motor is energized a second time. The latchbolt deadlocks when extended and the door is closed.
- No-notch feature – The holdback lever has no notch to hold the latchbolt mechanically retracted. This feature may be used with Continuous Duty feature, and operates in the same manner as above, except that the latchbolt extends when the motor is energized a second time regardless of the position of the door.
- Interlocking – Accomplished through the control console
- Motor voltage – 24VDC

52M Five tumbler model, keyed cover side
52M-6 Six tumbler model, keyed cover side
56M Five tumbler model, keyed both sides
56M-6 Six tumbler model, keyed both sides

Applications

Series 51M Deadlatches are levertumbler, motor operated locks for swinging doors. These jamb-mounted locks provide maximum security for cell, corridor or entryway doors. They slam lock on closure and provide staff with the safety and convenience of remote, electric unlocking. Quiet motor operation is well suited to residence areas.

Operations

When used in conjunction with a momentary contact switch, the unit unlocks when energized. The latchbolt retracts, and once retracted, it is held mechanically retracted until the door is opened. The latchbolt extends when the door is open.

Standard Features

- Motor voltage – 120VAC
- Two piece plug connector – Simplifies wiring.
- Quiet operation – Unlocks by smooth motor action.
- Automatic deadlocking – All models automatically deadlock on closure.
- Rugged construction – 7 gauge steel for durability.
- Indication switch – A lock status indication switch which monitors the extension of the latch bolt and the dead locked condition is included.
- High security – Five or six tumbler models available. Six tumbler model offers greater pick resistance.
- Mechanical unlocking by key – In the event of power failure, or at any time, 51M Series deadlatches may be unlocked by prison paracentric key; latchbolt remains retracted until relocked by key.
- Solid steel latchbolt – Zinc plated, with two hardened steel pins to resist sawing.
- Deadlock actuator – Roller type, zinc plated steel, adjustable for variations in door-to-jamb clearance.
- Full 3/4" bolt throw – Projects 1/4" when retracted.
- Finish – Zinc plated.

For More information please call 210-533-1231



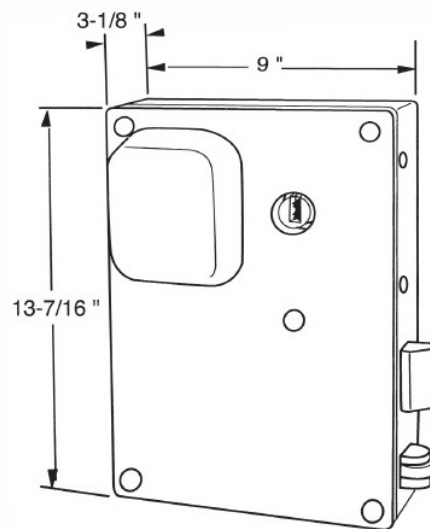
Electric Locks

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How to Specify

Operation	Keying	With ind. Switch	With ind. & InTSwitch
Standard	One Side	52ML	52MLI
	Two Sides	56ML	56MLI
Continuous Duty	One Side	52MCL	N/A
	Two Sides	56MCL	N/A
With No-notch	One Side	52MCLNN	N/A
	Two sides	56MCLNN	N/A

NOTE: The above are standard 5-tumbler models. To specify 6-tumbler units, add -6 after the basic model number.
Example: 52M-6-L



LEGEND



Electrical Characteristics

- Motor (AC) – Synchronous-type with brake.
- Ratings (120VAC) – 60HZ, 1.3 amps full load.
- Ratings (220VAC) – 60HZ, .65 amps full load.
- Motor (DC) – Permanent magnet gearmotor.
- Ratings – 24VDC, 2.2 amps at full load.
- Indication switch – SPDT, UL Listed, 15 amps at 125VAC or 250VAC.

POCKET COVER HINGE SIDE

POCKET COVER HINGE SIDE

25

LHRB

LATCHBOLT

RHRB

26

56 LOCK
KEYED
BOTH
SIDES

A technical diagram showing the components of a 56 Lock Keyed Both Sides mechanism. It includes two LHRB (Left Hand Return Bolt) levers on the left, two RHRB (Right Hand Return Bolt) levers on the right, and two LATCHBOLT units in the center. The levers are shown in a retracted position, and the latchbolts are shown in a locked position.

27

LHRB

LATCHBOLT

RHRB

28

52 LOCK
KEYED
HINGE
SIDE

A technical diagram showing the components of a 52 Lock Keyed Hinge Side mechanism. It includes two LHRB (Left Hand Return Bolt) levers on the left, two RHRB (Right Hand Return Bolt) levers on the right, and two LATCHBOLT units in the center. The levers are shown in a retracted position, and the latchbolts are shown in a locked position.

Specifications

Case and Cover	7 gauge steel.
Latchbolt	Solid steel with hardened steel roller pins.
Deadlock Actuator	Zinc plated steel, roller type.
Lever Tumblers	spring temper brass, activated by heavy phosphor bronze springs.
Key Cylinder	One piece, bronze alloy with paracentric keyway.
Bolt Size	2" x 3/4"
Bolt Throw	3/4"

Note: Dimensions are for information and planning purposes only, and should not be used as templates.



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