

120M Deadlatch



Folger Adam

Electric Locks

120M Deadlatch



Standard Features

- External mounting holes – Easy installation eliminates the need for cover removal.
- Standard lock – Mounts behind frame and does not require a faceplate.
- 1" throw latchbolt – Offers greater security. Each bolt is hardened to resist sawing. When latchbolt is engaged in strike, bevel is concealed to prevent picking.
- Mechanical unlocking by key – Specify Folger Adam Mogul cylinders, Maxi-Mogul® high security cylinders or other Mogul cylinders.

121 Keyed case side
122 Keyed cover side
126 Keyed both sides

Applications

Series 120E Deadlatches are suited for medium or maximum security application including cell doors, sallyport or egress doors, corridor or entrance doors. Sensitive administration areas of an institution may also warrant 120 Series locks. These jamb-mounted locks are designed to be part of an electrical system with remote operation and monitoring to provide supervisory personnel with optimum protection and flexibility.

Operations

Standard (1): Series 120M locks unlock when the motor is energized by a momentary-contact switch. Once unlocked, the latchbolt is held mechanically retracted until the door is opened. It then extends automatically.

Knob release(2): 120M Deadlatches may be specified with knob release on one side, where the knob is always active. Knob may be mounted on the case side, or the cover side.

Key holdback (3): When unlocked by key, the deadlatch remains retracted until relocked by turning the key in the opposite direction. Available one side only. This function is not UL Listed for Fire Door Accessories to a three-hour rating.

Note: Key cylinders for locks with key holdback feature must be installed at the factory.

Standard Features

- Motor voltage – 120 VAC
- Superior durability – Working parts of stainless steel afford greater strength and corrosion resistance.
- Standard lock size – All models use the same size case, cover and mounting holes for simplified installation and frame preparation.
- External two-piece plug connector – All models install without cover removal. Simple plug-in connection to field wiring.



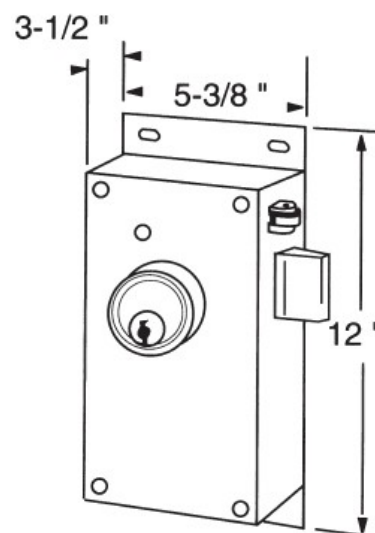
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Optional Features

- Faceplate – US32D finish.
- Optional motor voltage – 24 VAC or 24 VDC. E-4 for 4" or E-5 for 5".
- Local electric key (LEK) – A unique function which uses two types of keys for applications where inmates carry their own keys, but supervision is necessary. One key turns in one direction only and operates the lock electrically. The supervisory key turns in both directions to operate the lock electrically and mechanically. The electric operation may be cancelled from a central console or control point at any time via a three-position switch.
- The Maxi-Mogul® Key Cylinder is uniquely suited for this high frequency operation, shown by cycle test of 1,000,000 operations. LEK not available on any 120M-3 Series Locks.
- Key Cylinder Extension – When the lock is keyed on the stop side of the jamb, an extension eliminates the need for a special, recessed frame pocket. Specify E-3 for 3", E-4 for 4" or E-5 for 5".
- Indication/auxiliary switches – An indication switch monitors the deadlock lever indicating a deadlocked latchbolt. The auxiliary switch monitors the latchbolt for extended or retracted position.



Electrical Characteristics

- AC motors – Synchronous-type gearmotor with brake. Ratings: 120 VAC: 60 Hz, 1.3 amps at full load.
- DC motors – Permanent-magnet gearmotor. Ratings: 24 VDC, 2.2 amps at full load.
- Switch – SPDT, UL Listed, 15 amps @ 125 or 250 VAC.

Feature/Option Chart

Model	Operation	Latch-back	Indication Switches	LEK Available
			Deadlatch	
120M-1-01	Standard (1)	X	X	Yes
120M-2-01	Knob Release (2)	X	X	Yes
120M-3-01	Key Holdback (3)	X	X	No

Specifications

Case and Cover	10 gauge steel.
Latchbolt	Investment-cast stainless steel, hardened. 1" throw.
Deadlock Lever	Stainless steel, adjustable for door gap variations.
Bolt Opener	Does not allow access to mechanism.
Roller Bolt	Investment-cast stainless steel with stainless steel roller.
Operating lever	Stainless steel to operate with solenoid.
Strike	Investment-cast stainless steel, attached with screws in two directions.
Motor	120 VAC continuous duty, 24 VAC/ 24 VDC optional, synchronous-type gearmotor.
Springs	Stainless steel.

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

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