FOLGER ADAM
Established 1905

120MC Deadlatch

Folger Adam

For More information please call 210-533-1231

Electric Locks

120MC Half-Cycle Deadlatch

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.
- External mounting holes – Easy installation, and eliminate 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 120MC Deadlatches are suitable for use in medium or maximum security situations to lock cell, corridor or entrance doors. Especially appropriate for areas requiring the latchbolt to remain retracted until it is selected to lock again.
Like all Series 120 locks, the jambmounted 120MC Deadlatch is designed for use as part of an electrical system with remote operation and monitoring.

Operation

Standard (1): Unlocks when the motor is energized by either a two or three position, maintained contact switch, or a three position momentary contact switch. Once unlocked, the latchbolt remains retracted until it is selected to lock. Opening and closing the door has no effect on the lock when selected to unlock. The latchbolt extends only when the door is opened and the motor is selected to lock. If the door is closed, it must be opened to extend the latchbolt. Two additional variations on this feature are offered:

Without latchback (1a): Once unlocked, the latchbolt is held retracted only as long as the motor remains in the unlocked position. A maintained-contact switch may be used to keep the latchbolt retracted for an extended period of time.

Relock (1b) 09: Once unlocked, the latchbolt is held retracted until the door is opened. It then extends automatically. This operation requires an additional control wire, and may be cancelled by adding an additional control switch. A momentary-contact switch is used for unlocking, and the auxiliary switch is used for relocking. When the door is opened, the auxiliary switch repositions the motor to a locked position so that the lock will deadlatch on closure.

Knob release(2): 120MC 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.
Note: Key cylinders for locks with key holdback feature must be installed at the factory.

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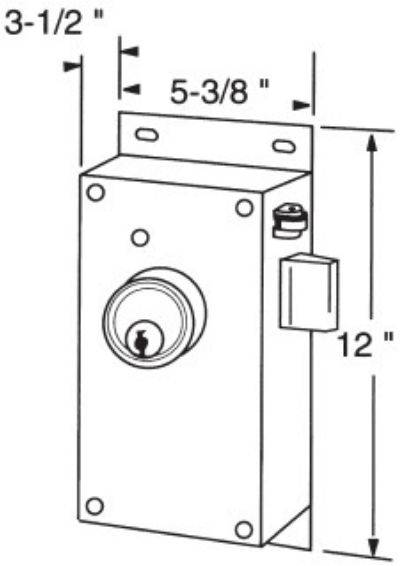
Electric Locks
120MC Half-Cycle Deadlatch

Standard Features

- Investment-cast stainless steel strike – Furnished with four tamper-resistant screws.
- Fractional HP Motor – Permanently lubricated for smooth quiet operation with thermal overload protection and a brake for accurate locking position.
- Finish – Zinc plated case and cover.



Optional Features

- Faceplate – US32D finish.
- 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.
- 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 or 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 120MC-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.
- Optional motor voltage – 24 VAC or 24 VDC.

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 Opening	Investment-cast stainless steel with stainless steel roller
Opening Lever	One piece, bronze alloy with paracentric keyway.
Strike	Investment-cast stainless steel, attached with screws in two directions.
Solenoid	120 VAC continuous duty with stainless steel guides; 230VAC optional.
Springs	Stinless Steel

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

Electric Locks
120MC Half-Cycle Deadlatch

Electrical Chacteristics

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

Model No.	Operation	Latchback		Operational Switches			Indication Switches		LEK Available
		With	W/O	Holdback	Relock	INT	Deadlatch	Aux	
120E-1-01	Standard (1)	X					X		YES
120E-1-04	Standard (1a)		X				X		YES
120E-1-07	Standard (1b)		X	X			X		YES
120E-2-01	Knob Release (2)	X					X		YES
120E-2-04	Knob Release (2a)		X				X		YES
120E-2-07	Knob Release (2b)		X	X			X		YES
120E-3-01	Key Holdback (3)	X					X		YES
120E-3-04	Key Holdback (3a)		X				X		YES
120E-3-07	Key Holdback (3b)		X	X			X		YES

The chart above shows applicabilityof above options to all 120MC Models. For complete details, see How to Specify in this section.