

NS400E and 400MC Motor-Operated Deadlatches



Folger Adam

Electric Locks

NS400M and 400MC Motor-Operated Deadlatches



Standard Features

- Heavy-duty lock mechanism – Designed to complement the high torque motor. Corrosion resistant working parts tested over 1,000,000 cycles.
- Stainless steel strike – Angled lip type, furnished with tamper resistant screws. Requires less force to close and lock the door.
- Mechanical latchback (Models NS400M, NS400MC) – Holds latchbolt retracted until door opens.
- Mechanical unlocking by key – Offers manual control at the door in event of power failure, or at any other time.
- Stainless steel latchbolt – 3/4" throw, hardened to resist sawing.
- Relock switch (Model NS400MC) – Repositions motor to relock when door is opened.
- Finish – Key Cylinder: US32D.
- Indication switch – An internal switch to monitor the positions of the deadlock actuator. Signals deadlocked condition.

**NS402M/MC Keyed one side
NS406M/MC Keyed both sides**

Applications

Specify for minimum/medium security swinging cell, corridor or administration areas of institutions, with 2" wide hollow metal jamb construction.

Operation

A remote switch is used to control the lock electrically, or may be operated mechanically by a builders hardware key cylinder. These locks offer the convenience of remote, electric unlocking or locking and automatic deadlocking when the door is closed.

Motor-Actuated Models: Unlock when the motor is energized (1): by a momentary-contact switch. Latchbolt is held mechanically retracted until the door is opened. It then extends automatically (mechanical latchback).

Two-Position Motor, Actuated Models Lock or unlock when the motor is energized (1): by either a two or threeposition maintained-contact switch, or by a three-position, momentary-contact switch. When unlocked by control switch, latchbolt remains retracted by motor position until control switch is set to lock. Latchbolt is held mechanically retracted until the door is opened. It will then extend automatically, if the control switch is set to the lock position (mechanical latchback).

Lock or unlock when the motor is energized (2): by either a two or threeposition maintained-contact switch, or a three-position momentary-contact switch. Latchbolt then remains retracted until selected to lock. Opening and closing the door has no effect on the lock (no latchback).

Unlock when the motor is energized (3): by a momentary contact switch. A relock switch energizes the motor to relock once the door is open. On closure, the latchbolt deadlocks automatically (no latchback with relock).

Standard Features

- 300 lb. rated side load motor operation (Models NS400M, NS400MC) – Preclude jamming by applying side pressure on the door.
- Compact size – Designed for hollow metal frames with standard 2" face.
- Two-piece, twelve-pin plug connector – Simplifies wiring, allows pre-wiring of the lock opening.

For More information please call 210-533-1231



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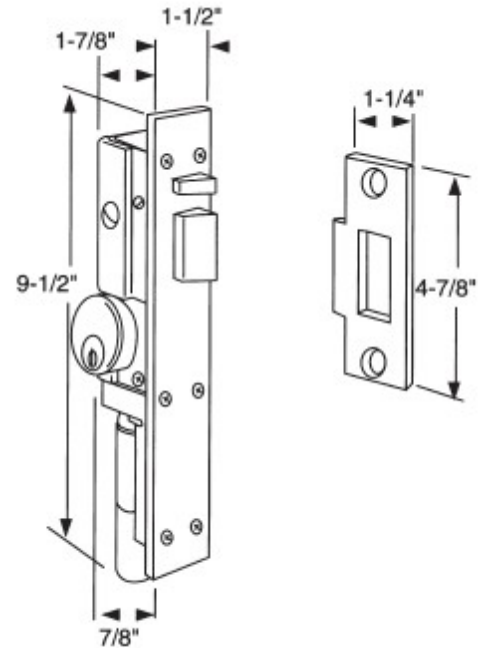
Optional Features

- Builders hardware cylinders – High security six-pin tumbler cylinder may be specified. Special keying requests will be accommodated, if possible.

Note: Customer supplied key cylinders may be used to adapt NS400 Series locks to a specific keying system. These cylinders must have: a. 1-5/32" diameter, full bar stock bodies. b. 1-1/8" length, including cam. c. Standard, removable Yale-type cam. Cylinders and all keys should be sent to Southern Folger Detention Equipment Company and are required with cylinder extenders.

- Local electric key (LEK) – Inmate key operates lock electrically. Staff keys always operate the lock manually and can operate it electrically. Feature is enabled or canceled from a remote control console.
- Inmate push button – Allows operation of the lock from inside the room or cell. May be canceled from central control console. A double pole, double throw switch is available for additional functions.
- Key cylinder extension – Required when lock is keyed on the stop side of the door frame. Five standard lengths are offered:

Jamb Size	Cylinder Extension
4-1/2" - 5"	4-3/4"
5" - 6"	5-3/4"
6" - 7"	6-3/4"
7" - 8"	7-3/4"
8" - 9"	8-3/4"



Feature/Option Chart

Model	Operation	Initiation Switch	Latchback		Operational Switches Holdback	LEK Option	Continuous Duty Modulator
			With	W/O			
NS400M-01	1	X	X			Available	No
NS400M-04	1	X	X			No	No
NS400M-07	2	X		X		No	No
NS400MC-04	3	X		X	X	Available	No



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Electrical Characteristics

- Motor – High-torque, permanently lubricated, permanent magnet, planetary gearmotor, UL Listed.
- Voltage – 24 VDC, operates on 24 VAC via rectifier 0.12 Amps running, 1.29 amps stalled.
- Indication switch – SPDT, UL listed.
- Switch rating – 5 amp @ 125 or 250 VAC.

Specifications

Lock Case	Investment-cast stainless steel.
Latchbolt	Investment-cast stainless steel hardened.
Latchbolt throw	3/4"
Operating Lever	Stainless steel
Deadbolt lever/trigger bolt	Investment-cast stain-less steel
Strike	Stinless Steel Stamping, angled lip.

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

