FOLGER ADAM
Established 1905

3B.2 Sliding Door Locking Device

Folger Adam

For More information please call 210-533-1231

Locking Devices

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Optional Features

- Mechanical release cabinet – See page D21-22.
- Key switches – May be added in columns or nearby for local electriccontrol.
- Electrical/mechanical controls – Electrical switches may be specified to provide control of each door in addition to mechanical function. These switches may be built into the same cabinet as the mechanical levers, or located at a remote console, as needs dictate. The following switch functions are available:
  Three-position operating switches – (OPEN-GROUP-CLOSE).
  Group switch – Provides group control (OPEN-OFF-CLOSE).
  Power cut-off switch – Cuts off electrical current to controls.
  Indication Lamps – Red and green indicator lamps may be installed in conjunction with switches to show locked, closed, or open status of each door. When used, the indication is as follows:
  Red – Unlocked, moving or stopped in mid-travel.
  Green - Locked closed.

Applications

3B.2 devices are applicable to multiple cell or inmate room situation. Optional controls provide selective operation of single or groups of doors simultaneously.

Standard Features

- Motor voltage – 120 VAC.
- Rack and pinion gear drive.
- Heavy duty construction – 3B.2 devices are built for the rigors of maximum security applications.
- Tamper-resistance – Openings in housings are baffled to preclude inmate tampering.
- Selective operation – Single or groups of doors may be simultaneously opened, or closed and locked.
- Sloped-top housing – Resists hiding of contraband. Flat-top housing is provided where the device must install close to the ceiling.
- Automatic locking – When fully closed, top and bottom locking points on the rear of each door are forced down into the deadlocked position.
- Indication switch – Monitors the locked condition of both locking points.
- Gang release – From mechanical release cabinet.
- Self-contained – A continuous, surface-mounted housing contains the drive and mechanical release mechanisms and wiring.
- Full length wire tray – Simplifies routing of electrical wire/harnesses. Runs the full length of the housing.
- Terminal strips – All internal components are pre-wired to a terminal strip. The strip is also used for ease of field wiring.

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Optional Features

- Custom graphic consoles – In many cases, it may be desirable to separate electric controls from the mechanical release cabinet located near the cells. For larger installations, or those with particular needs, custom-built control consoles may be easily provided with floor plan graphics screened on the control panel, and an array of specialized features.
- Cell line cable – For applications using a series of locking devices, a cell line cable may be specified to interconnect to terminal strips in the mechanical control/release cabinet. Simplifies routing of wire and saves installation cost and time.
- G90 galvanized finish available.

Specifications

Drive System Type	Rack and Pinion.
Rates of Travel	Opens or closes a 2'4" door in 5 seconds.
Motor	120 VAC, 60 HZ, 1/20 HP.
Hanger and guides:	1/4" thick steel.
Rollers:	Steel with ball bearings.
Finish	USP.
Housing	7-gauge steel.
Housing Covers	10-gauge steel,
Vertical Lock Column Houseing	7-gauge steel.
Wire Tray	16-gauge steel tray.
Front Reciver Column (Optional)	10-gauge steel.
Housing/Covers Finish	USP

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Functions

Unit unlocks, opens or closes and locks closed pre-selected individual doors or door groups, via optional electric controls. Gang release is via mechanical release cabinet.

Door movement may be stopped in mid-travel, leaving the door in a fixed (non-movable) position. The door must be moved (restarted) electrically or mechanically to the open or closed position to lock.

Direction of movement of any individual door may be reversed without interrupting the movement of any other door in the group.

When a single door is blocked, there is no interruption in operation of any other door in the group. On removal of the blockage, the door will automatically continue to the open or closed position.

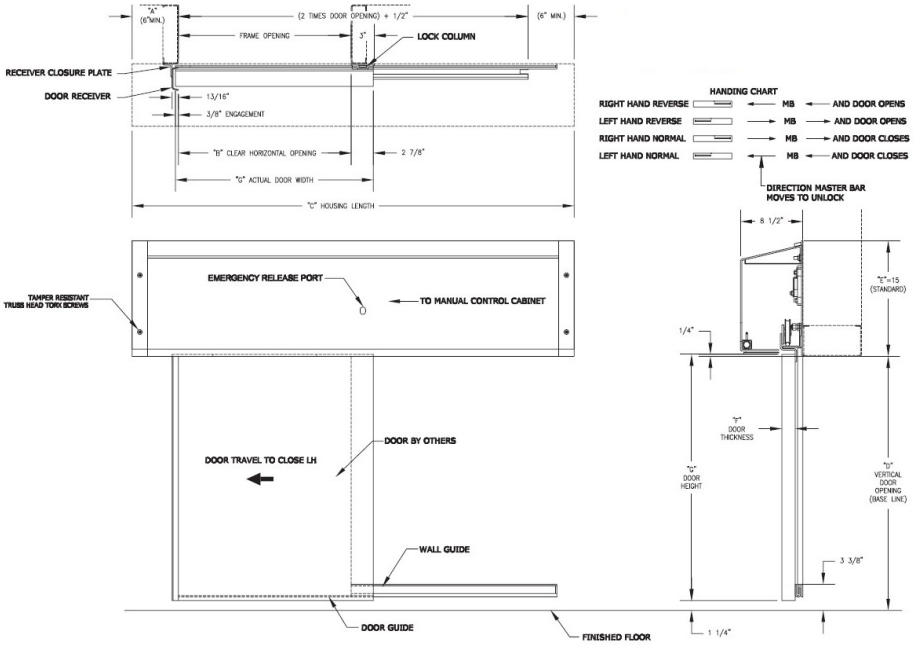
In event of emergency, all doors may be unlocked from the mechanical release cabinet. In mechanical mode, the motor is disengaged from the rack, and doors may be unlocked or relocked using a special tool.

In event of power failure, all doors remain in a fixed position, and must be operated mechanically. Doors are freewheeling when released.

Locking System

Upon closure, each door automatically locks at two concealed points at the rear edge of the door. No locking components are exposed at the front edge of the door where they might be subject to tampering. Components do not project into the door opening.

Typical 3B.2 slope-top elevation.
Left hand normal (LHN) as shown.
Right hand normal (RHN) opposite as shown.



Note: Dimensions are for information and planning purposes only, and shouldnot be used as templates.

The illustration shown is intended for general information and planning purposes only. Folger Adam locking devices are fabricated to the design of the facility.