

**Drive:** Rack and Pinion  
**Release:** Remote Electric,  
 Local Mechanical  
**Security  
 Level:** Maximum

# D3B.2 CORRIDOR DOOR OPERATOR

## Description

Type D3B.2 Operators are high security locking and operating systems for individual sliding doors to a maximum weight of 350 pounds.

## Applications

D3B.2 Operators should be specified for security entrances, corridor doors, safety vestibules, or sallyports where remote electric control and precise rack and pinion drive are desirable.

## Functions

Unit unlocks, opens and locks open; or unlocks, closes and deadlocks closed, an individual door.

A door stopped in mid-travel may be opened or closed manually. Direction of movement of a door may be reversed electrically. In event of blockage, a torque limiter prevents motor damage. When obstruction is removed, the door will automatically continue movement to the open or closed position. Pressure exerted by a door in travel is factory-set to approximately 40 pounds.

Blockage of a door will not cause motor damage. When obstruction is removed, the door continues movement to the open or closed position.

Individual doors may be mechanically unlocked at the door.

## Locking System

The door automatically deadlocks closed, and locks open at two points on the rear edge of the door. Locking components are concealed, and not subject to inmate tampering.

Components do not project into the door opening.

## Testing

D3B Series Operators have been in service since 1972, and tested to 500,000 cycles.

## Standard Features

- **Motor voltage** – 120 VAC.
- **Precise, rack and pinion gear drive.**
- **Heavy duty construction** – D3B.2 Operators are ruggedly built for the detention environment.
- **Tamper-resistance** – All openings in housings are baffled to preclude inmate tampering.
- **Sloped-top housing** – Eliminates hiding of contraband. Flat-top housing is provided where operator must install close to ceiling.
- **Automatic deadlocking** – When fully closed, top and bottom locking points on the rear of each door are forced down into deadlock.
- **Indication switch** – An internal switch monitors the deadlocked condition of both locking points.
- **Remote, electric unlocking** – Each door is controlled by a three-position switch. (OPEN-OFF-CLOSE).
- **Emergency manual unlocking** – In event of power failure, a release port may be opened by paracentric key. This action allows use of a "T" handle to disengage motor. The door may then be manually moved to open or closed position.



## Optional Features

- **Door receiver column** – Provides for location of mechanical release mechanism approximately 3'6" from the floor, and provides rod release for disengagement of rack and pinion for manual door movement.
- **Electrical control console** – Provides a three-position switch for each corridor door, accompanied by red and green indication lamps. Operating switches are labeled: OPEN-OFF-CLOSED. Indication lamps are labeled: Red – OPEN, Green – CLOSED. A two-position power cut-off switch is also installed to cut power to the controls.
- **Interlocking** – Wiring and adaptations may be made to permit interlocking two or more doors in a sallyport or vestibule application. Prevents electrical operation of any other interlocked door.
- **Custom graphic consoles** – In many cases, corridor operators are merely one part of a complete security

*(continued)*

For more information, please call 210.533.1231.

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system. For these larger installations, or those with particular needs, custom-built consoles may be easily provided with floor plan graphics screened on the control panel, and an array of specialized features.

- G90 galvanized finish available.

## Dimensional Data

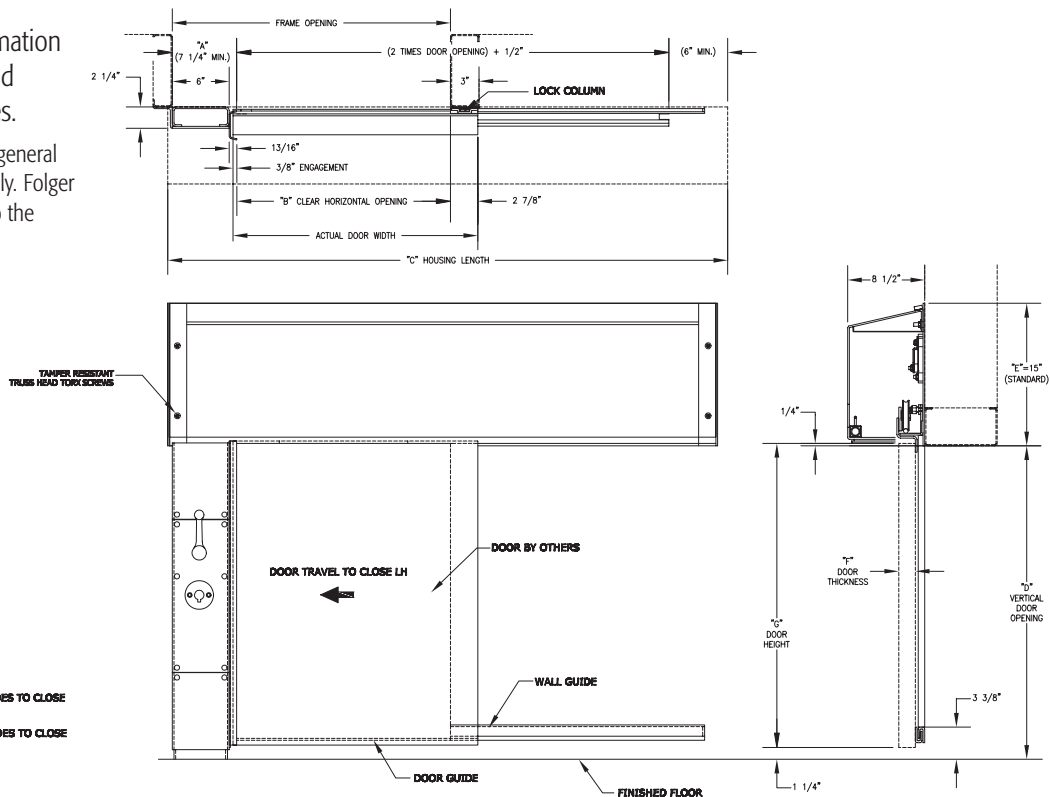
NOTE: If the optional mechanical release column is used, the 3" minimum at the front of the door is increased to the 7" width of the mechanical release column and the "No. 12 lock access to mechanical operation" is omitted from the removable housing cover.

Note: Dimensions are for information and planning purposes only, and should not 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.

## Specifications

- Drive system –
  - Type: Rack and Pinion.
  - Gear motor: 120 VAC, 60 HZ, 1/10 HP.
  - Hanger and guides: 1/4" thick steel.
  - Rollers: Anti-friction ball bearings with hardened members and grease shield.
  - Roller studs: High alloy treated steel with self-locking nut.
  - Finish: USP.
- Mechanism housing/covers –
  - Housing: 7-gauge steel.
  - Housing covers: 10-gauge steel.
  - Vertical lock column housing: 7-gauge steel.
  - Vertical lock column cover: 10-gauge steel.
  - Door receiver column (optional): 7-gauge steel, equipped with 12 Series lock.
  - Front receiver: 10-gauge steel.
  - Finish: USP.



**TYPICAL D3B.2 SLOPE-TOP ELEVATION**  
 LEFT HAND (LH) AS SHOWN  
 RIGHT HAND (RH) OPPOSITE AS SHOWN

