Drive: Roller Chain Release: Remote Electric, Local Mechanical

Security Level:

Maximum

# D2B.3 CORRIDOR DOOR OPERATOR

service since 1966, and tested to 500,000 cycles.

## **Description**

D2B.3 Operators are high security locking and operating systems for individual sliding doors with a maximum weight not exceeding 450 pounds.

#### **Applications**

D2B.3 Operators should be specified for security entrances, safety vestibules, corridor doors, or sallyports where remote electric control and chain drive are desirable.

#### **Functions**

Unit unlocks, opens and locks open; or unlocks, closes and deadlocks closed a corridor door. A door stopped in midtravel may be opened or closed manually. Direction of movement of a door may be reversed electrically. In event of blockage, a torque limiter slips to prevent 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.

Individual doors may be manually unlocked at the door.

### **Locking System**

Doors operated by Type D2B.3
Operators deadlock closed automatically at two points on the rear edge of the door. When opened, doors automatically lock in the open position. Locking components are not exposed or subject to inmate tampering. No components project into the door opening.

### **Testing**

D2B Series Operators have been in

#### **Standard Features**

- Motor voltage 120 VAC.
- Rugged chain drive Roller chain provides consistent action of the door under a variety of conditions and installation variables.
- Heavy duty construction D2B.3
   Operators are ruggedly constructed for the detention environment.
- Tamper-resistance Openings in housings are baffled to preclude inmate tampering.
- Adjustable torque limiter Absorbs start-up and closing shocks by isolating the motor. Allows pressure exerted by the motor to be set to the needs of an individual door. Adjustment is provided to compensate for various sizes and weights of doors.
- Sloped-top housing Resists hiding of contraband.
   Flat-top housing is provided where operator must install close to ceiling.
- Automatic locking Doors lock automatically at two points.
- Indication 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 unlock the door, and move it by hand-applied pressure. The door must be moved (restarted electrically or



mechanically) to the open or closed position to lock.

#### **Optional Features**

- Door receiver column A hinged door locking column which places the mechanical release mechanism approximately 3'6" from the floor.
- Location of mechanical release mechanism (Release Port) The locked housing allows access to the release mechanism on the reverse side of the overhead housing.
- Electrical control cabinet 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.
- G90 galvanized finish available.



For more information, please call 210.533.1231.

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# D2B.3 CORRIDOR DOOR OPERATOR

Drive: Roller Chain
Release: Remote Electric,
Local Mechanical

Security Level:

Maximum

- Electrical interlocking Wiring and adaptations may be made to permit interlocking two or more doors in a sallyport or vestibule application.
   Prevents electric operation of any other interlocked door.
- Custom graphic consoles In many cases, corridor operators are merely one part of a complete security system. For these larger installations, or those with particular needs, custom-built consoles may easily be provided with floor plan graphics screened on the control panel, and an array of specialized features.

# 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: Roller chain.

Motor: 120 VAC, 60 HZ, 1/10 HP.

Roller chain: #41 size.

Hangers 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.

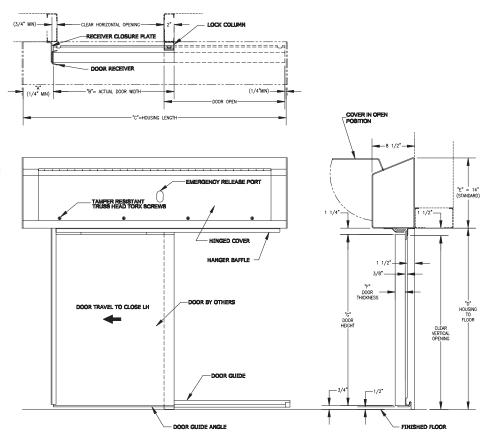
Front receiver: 10-gauge steel.

Mechanical release column
(optional): 7-gauge steel.

Finish: USP.

#### Typical D2B.3 slope-top elevation.

Left hand (LH) as shown. Right hand (RH) opposite as shown.





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