1490/ 2490 SPACESAVER®

BOLT LOCKS

International door closers inc — Since 1968 — HARDWARE · STOREFRONT · GATES · SECURITY · ACCESS CONTROL · PARKING

The Spacesaver®

Extra Narrow
Fully concealed and easily installed in 1.5" (38.1mm) frame or door stile

The Spacesaver®, first designed and patented by IDC, is a fundamental innovation in electric locking technology for access control applications.

The stainless steel bolt projects at right angles to the lock mechanism, allowing installation of Spacesaver® locks, by means of a simple cutout, in virtually any standard 1.5" frame, or in most door lock stiles. With the entire lock concealed, esthetic acceptability is complete, security is greater and installation in old or new construction is fast, easy and economical.

Stainless Steel Bolt

Greater security is provided by the .625" (1.6cm) diameter stainless steel bolt. The bolt rotates freely, making attempts to tamper or cut extremely difficult.

Specification Grade Solenoids

All Spacesaver® lock solenoids are manufactured by IDC to precision specifications. IDC solenoids are capable of superior overall performance in both force and longevity, providing years of service.

Three Point Installation

IDC Spacesaver® locks may be mounted in the frame header, side jamb or door lock stile.
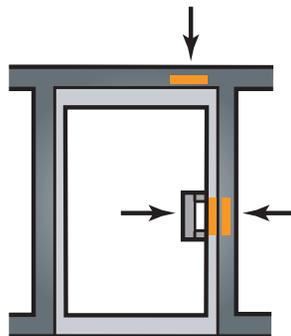
Field Adjustable Auto-Relock Switch

The automatic relock switch keeps the bolt retracted while the door is open. The door depresses the ball switch assembly on closure, causing the bolt to project automatically locking the door. In addition, the ball switch assembly is bi-directional, permitting the locks to be used on swinging and sliding doors.

Fig. 1   Fig. 2
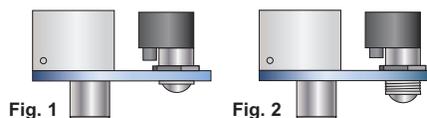
The auto relock assembly is field adjustable to compensate for wide door gap. (See Figure 1 & 2.)

1490A Failsafe

The 1490A is locked when energized. Recommended for safety applications. It is intended that the door unlock automatically when power is interrupted by the access control, power failure or signal from a fire life safety system.

• Bolt Throw 0.5" (12.7mm)

2490A Failsafe

The 2490A is locked when de-energized and unlocked when energized. Recommended for security applications only, it is intended that the door automatically locks when power is interrupted by the access control or power failure.

• Bolt Throw 0.5" (12.7mm)

Protected by one or more of the following U.S. Patents:
4,021,065   4,099,752
4,634,155

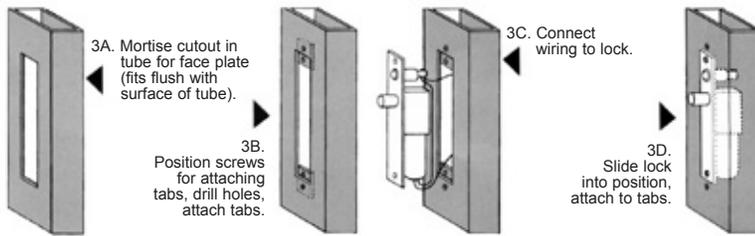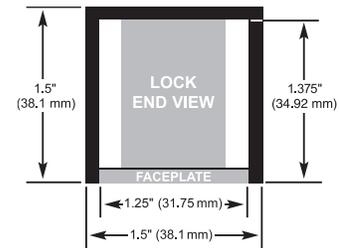**Figure 3A, 3B, 3C, 3D: Typical Frame Header or Side Jamb Installation**

3A. Mortise cutout in tube for face plate (fits flush with surface of tube).

3B. Position screws for attaching tabs, drill holes, attach tabs.

3C. Connect wiring to lock.

3D. Slide lock into position, attach to tabs.

Figure 4: End View

LOCK END VIEW

FACEPLATE

1.5" (38.1 mm)

1.375" (34.92 mm)

1.25" (31.75 mm)

1.5" (38.1 mm)

Model

1490AI Failsafe, 12/24VDC
2490AH Failsecure, 12/24VDC

Finish

628 Clear Anodized Aluminum (std)

Special finishes:
    605 Bright Brass
    606 Dull Brass
    611 Bright Bronze
    612 Dull Bronze
    613 Oil Rubbed Bronze
    625 Bright Chrome
    626 Dull Chrome
    630 Satin Stainless Steel
    335 Black Anodized

Options

Bolt and Door Status

Door and lock status monitoring sensors are installed and concealed in the lock. The need for additional door and frame preparations is eliminated. Magnetic bolt status sensor is behind the faceplate to inhibit tampering.

Applications include: Remote Door and Lock Status; Mantraps; Air/Clean Rooms; Communicating Bathrooms; Door Hold Open Alarms and CCTV Activation.

B   Magnetic Bolt Status Switch SPDT 0.25 Amp @ 30VDC Indicates bolt locked and bolt unlocked.

D   Mechanical Door Position Switch SPDT 5 Amps @ 30VDC Integral to the auto relock ball switch assembly. Indicates, door closed and door open. Recommended for minimum security applications only

AC Operation
BR64XL Rectifier for AC operation

Specifications

Face Plate: 8"L x 1.25"W x 0.125"D
(203.2 x 31.75 x 3.175mm)

Strike: 4"L x 1.5"W x 0.125"D
(101.6 x 38.1 x 3.175mm)

Frame Inner Dimension Requirements:
8"L x 1.25"W x 1.375"D *(See figure 4)*
(203.2 x 31.75 x 31.75mm)

Bolt Material: Stainless Steel

Bolt Diameter: 0.625" (15.875mm)

Bolt Throw: 0.5" (12.7mm)

Mounting Tabs: Two aluminum mounting tabs are provided for easy lock installation. *See figure 3B.*

1490 Failsafe
0.45 Amp @ 24VDC Continuous Duty
0.9 Amp @ 12VDC Continuous Duty

2490 Failsecure
0.45 Amp @ 24VDC Continuous Duty
0.9 Amp @ 12VDC Continuous Duty

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