EXIT CHECK® DELAYED EGRESS LOCKS

DELAYED EGRESS LOCK

Exit Check® Delayed Egress Lock

Proprietary Features:

- Voice and digital display provides informative annunciation for people without prior knowledge, including the blind and hearing impaired
- Field selectable voice & tone or tone only
- Voice provides warning or safety message, countdown and time of door release
- Digital countdown display also indicates if door was open after lock release.
- Fixed 15 second delay or selectable 15 or 30 second exit delay

Application

Airport & Public Facility Security & Safety Control pedestrian traffic in government, public facilities and transportation facilities, including airport jetways and tarmacs.

Loss Prevention
Provide theft protection of merchandise, technology and other valuables such as, art and museum artifacts.

Wandering Patient and Infant Protection
Restrict the egress of psychiatric and drug rehab patients, elderly patients in assisted living facilities and restrict the movement of nursery infants for their own safety and security.

Operation
Typically used on exit doors, when unauthorized egress is initiated when in the locked mode, the IDC Exit Check® delays egress through the door for 15 or 30 seconds. Meanwhile, the person exiting must wait while personnel or security respond. The door unlocks after 15 seconds have elapsed, permitting egress. A signal from the fire life safety system will release the lock for uninhibited egress in an emergency. 30 second delay available where approved.

Code Compliance

Exit Check® models comply with today’s building and fire life safety codes. See page 4

IBC, International Building Code
1008.1.8.6 Delayed Egress Locks

IFC, International Fire Code
1008.1.8.6 Delayed Egress Locks

7-2.1.6.1 Delayed Egress Lock

CBC, California Building Code
1008.1.8.6 Special Egress Control Devices

BOCA, National Building Code
1017.4.1.2 Special Locking Arrangements

Chicago Building Code

Facility Applications

- Airports
- Convention Halls
- Wholesale Stores
- Retail Stores
- Long Term Care
- Drug Rehab
- Psychiatric Care
- Infant Nurseries
- Museums
- Art Galleries
- Warehouses
- Technology Facility

Patient & Infant Tracking Systems

The IDC Exit Check® is compatible with patient tracking systems, like those used for protection against infant abduction from hospital nurseries, and for the protection of patients in long term care facilities who may be endangered if they leave their care facility without supervision.

Access Control

Access controls may be utilized for authorized egress, access and lock reset. Access from the exterior of latching doors requires an additional means of mechanical lock release, such as a mechanical key or electric strike.

Local Approval

All installations must be approved by the Authority Having Jurisdiction (AHJ).

UL10C Positive Pressure Compliant
FWAX Special Locking Arrangements
UL9C Pressure Compliant
GWXT Auxiliary Locks
Made in the USA
ANSI/BHMA A156.24
Grade 1
FHWA Fire Marshall Listed
American National Standard for Delayed Egress Locks

Protected by one or more of the following U.S. Patents:
5,429,399 4,609,910

© 2014 INTERNATIONAL DOOR CLOSERS, INC
**Single Model**

For use with single doors equipped with:
- Mortise or rim mount exit devices
- Surface or concealed vertical rod exit devices with surface or concealed strikes and triggers
- Mortise or cylindrical locksets

**Tandem Model**

Activating either door unlocks both doors. For use with pairs of doors equipped with:
- Mortise or rim mount exit devices
- Surface or concealed vertical rod exit devices with surface or concealed strikes and triggers
- Mortise or cylindrical locksets

---

**Verbal and Digital Annunciation**

The Exit Check® series incorporates an alternating verbal message, verbal countdown and alarm tone, plus a large digital countdown display and door release indicator that provides a clear warning for the safety of persons without prior knowledge of door operation, including the blind and hearing impaired.

**Features**

- Field selectable voice message and alarm tone, or alarm tone only, 75 db @ 3 ft
- The visual display provides a digital countdown, indicates lock release and verifies if the door was opened for egress.
- Choice of fixed 15 second exit and 1 second nuisance delay or field selectable 15 or 30 second exit delay and 1 or 2 second nuisance delay
- Field selectable security or safety message
- Field selectable activation:
  - Door movement
  - Exit device with switch kit
  - Exit sense bar for non-latching doors
- Field selectable automatic or manual power up after emergency release or power loss.
- Integrated 3 position key switch provides:
  - Lock and alarm reset
  - Manual power-up* 
  - Sustained bypass
  - Timed bypass, adj. for 1, 15, 20 or 30 seconds
- Field selectable door prop alarm:
  - Alarm sounds when door is left open after selected bypass time has elapsed.
- Anti-tailgate feature
- Single or multi-door zone control and reset capability

**Control Inputs**

- Remote access control and REX input, field adjustable for 1,15, 20 or 30 seconds
- Remote reset input
- Manual power-up input*
- Emergency release input
- Anti-tailgate input

**Monitoring Outputs**

- Door secure and unlocked output
- Delayed egress activation alarm output

**Options**

- Custom message, language or shortened exit delay times
- Energy Saver, 1200lb holding force 400/275mA @ 12/24VDC
- Magnetic Bond Sensor output
- Door Status Sensor output
- Anti-tamper sensor output

* Not available with (BD) Chicago and BOCA code compliant models
**Component Consideration**

- **Door Movement Trigger by Latching Exit Device**
  - Rim Mount, Mortise, or Vertical Rod
  - Power

- **Optional Wall Mount Key Reset**
  - (Built-In Key Reset Standard)

- **Latch Monitoring Strike Trigger**
  - For Mortise Exit Devices or Lock
  - Sense Bar Trigger Non-Latching

- **Remote Wall Mount Annunciator**
  - Power

- **Remote Desktop Annunciator and Control Panel**
  - Power

- **Sense Bar Trigger Non-Latching**
  - PSB560, MSB550

- **Remote Desktop Annunciator**
  - Power

**Emergency Release Modes**

**Dual Emergency Release**
- IDC 600 Series Power Supply and Integrated Lock Emergency Release
- **Field Selectable Lock Auto Reset or Lock Manual Key Reset**
- **Field Selectable Power Supply Output**
- **Automatic reset standard, see *MR option for manual reset.**

**IDC 600 Series Power Supply Emergency Release**
- **Field Selectable Lock Auto Reset or Lock Manual Key Reset**
- **Field Selectable Power Supply Output**
- **Automatic reset standard, see *MR option for manual reset.**

**Integrated Lock Emergency Release**
- **Field Selectable Lock Auto Reset or Lock Manual Key Reset**
- **Field Selectable Power Supply Output**
- **Automatic reset standard, see *MR option for manual reset.**

**Not Available with 631RF Power Supply**

*Emergency Release Manual Reset*

**IDC Power Supply**
- 115VAC
  - Fire Command Center
  - Local Smoke Detector
  - Exit Check

**IDC Power Supply**
- 115VAC
  - Fire Command Center
  - Exit Check

**IDC Power Supply**
- 115VAC
  - To remotely located fire command controlled (1 contact per lock req)
  - Exit Check

*West: 800-544-4422 • East: 800-225-6737*

www.intldoorclosers.com
While the Exit Check® is equipped with a standard built-in key switch for reset and bypass functions, wall mounted stations provide for convenient alarm reset, sustained bypass or timed bypass.

Remote annunciators provide quick identification of activated openings, enabling security or care personnel to respond rapidly. Annunciators are equipped with an audible alarm and each station is identified by one tri-color LED that identifies specific mode status.

Secure - Green
Activation - Amber x Audible Tone
Unlocked - Red x Audible Tone

Exit Device Switch Kits

Switch kits are field installed in the inactive hinge pad of rim mount exit devices, mortise exit devices, concealed vertical rod exit devices and surface vertical rod exit devices.

Model
PSB560V Aluminum Anodized
PSB560Y Black Anodized

Specifications
Voltage Input: 12/24VDC
Current Input: 20 mA at rest, 115 mA active
Output: Two, SPDT Dry, 3 Amp @ 28VDC
Operating Temperature: 0° - 150° F

MS-16 For mortise latch, reversible
- Fits 4.875” Strike (provided by others)
- Gap & alignment adj.
- SPDT, 5 Amps @ 30VDC

PT-2U Stainless Steel
PT-3V Aluminum
termination box

PTH Power Transfer Hinge

PTH-4Q Four wires:
- 1 pair-1 Amp; 1 pair-250mA
- 4.5x4.5 five knuckle standard weight
- Dull Chrome

The Sure Exit is a non-latching, heavy duty, request-to-exit push bar that will activate the Exit Check® when slight pressure is applied to the bar.

Model
PSB560V Aluminum Anodized
PSB560Y Black Anodized

Specifications
Voltage Input: 12/24VDC
Current Input: 20 mA at rest, 115 mA active
Output: Two, SPDT Dry, 3 Amp @ 28VDC
Operating Temperature: 0° - 150° F
**Self Adjusting Door Movement Sensor**

The built-in door movement sensor may only be used with doors equipped with a latch assembly, such as a mechanical lockset or exit device.

The mechanical latch mechanism must be locked on the exterior and unlocked on the interior. From the inside, retracting the door latch and applying pressure causes limited door movement. The built-in activation trigger senses the door movement and initiates delayed egress operation. The self adjusting sensor helps prevent false triggering.

**External Device Trigger Input**

**Activation For Non-Latching Doors**

The external activation trigger input must be used with doors without latch assemblies, such as latchless glass and herculite doors.

Activation may be triggered by the IDC MSB550 Switch Bar or the IDC Sure Exit®, request-to-exit push bar. A power transfer device is required. Pushing on the request-to-exit push bar immediately activates the delayed egress operation.

**Activation For Latching Doors**

Where preferred, activation may be accomplished by a latch monitoring strike, or a switch installed in a standard latching exit device or lockset. A power transfer device is required for exit devices equipped with a trigger switch.

See IDC datasheets for detailed information on IDC MS Series Latch Monitoring Strikes, Exit Device Switch Kits and Power Transfer Devices.

**Automatic or Manual Power-up**

Field selectable method of lock power-up, automatic or manual, after power loss or emergency release.

**Auto Power-Up**

When selected, regardless of the means of deactivation, relocking of the Exit Check® occurs when power is restored and/or the fire life safety panel is reset.

**Manual Power-Up**

UBC, California Building Code (OSHPD)

Compliant Reset

When selected, regardless of the means of deactivation, relocking of the Exit Check® is by manual means only at the door. Only after power restoration and/or fire life safety panel reset, the door may be relocked by actuating the standard built-in key reset or optional wall mounted key switch, push switch or digital keypad located adjacent to the door.

**Keyless Control (optional)**

![928 Entry Check Digital Keypad](image)

While the Exit Check® is equipped with a standard built-in 4 function key switch for reset, manual power up, momentary bypass and sustained bypass functions, the IDC 928 wall mounted keypad provides the convenience of keyless operation for:

- Alarm Reset
- Manual Power-Up
- (UBC & California required)
- Momentary or Sustained Bypass

**Electrical Specifications**

<table>
<thead>
<tr>
<th>Input</th>
<th>Dual voltage Sensing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>12/24 VDC ± 10%</td>
</tr>
</tbody>
</table>

**Standard 1650lbs Holding Force**

<table>
<thead>
<tr>
<th>1511S</th>
<th>830mA @ 12VDC</th>
</tr>
</thead>
<tbody>
<tr>
<td>450mA</td>
<td>24VDC</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1511T</th>
<th>1500mA @ 12VDC</th>
</tr>
</thead>
<tbody>
<tr>
<td>850mA</td>
<td>24VDC</td>
</tr>
</tbody>
</table>

**Energy Saver 1200lbs Holding Force**

<table>
<thead>
<tr>
<th>1511S (E option)</th>
<th>400mA @ 12VDC</th>
</tr>
</thead>
<tbody>
<tr>
<td>275mA</td>
<td>24VDC</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1511T (E option)</th>
<th>650mA @ 12VDC</th>
</tr>
</thead>
<tbody>
<tr>
<td>400mA</td>
<td>24VDC</td>
</tr>
</tbody>
</table>

**Inputs**

- **Request to Exit:** Normally open, dry
- **Fire Alarm Release:** Alarm panel closed dry contact. Opening of contact releases lock.

**Monitoring Outputs**

- **Alarm Output:** SPDT Dry, 1 Amp @ 30VDC
- **Lock Secure Unlocked Output:** SPDT Dry, 1 Amp @ 30VDC
- **DPS Door Position Status:** SPDT Dry, 250 mA @ 30VDC
- **BAS Magnetic Bond Status:** SPDT Dry, 250 mA @ 30VDC
- **ATS Anti Tamper Sensor:** SPDT Dry, 1 Amp @ 30VDC

**Mechanical Specifications**

- **BHMA Certified ANSI Grade 1 Holding Force**
  - 1650lbs 1511S
  - 1200lbs 1511S Energy Saver

- **Single:** 11"L x 2.75"H x 2.625"D (279 x 70 x 67mm)
- **Tandem:**
  - **Master:** 11"L x 2.75"H x 2.625"D (279 x 70 x 67mm)
  - **Slave:** 11"L x 2.75"H x 2.625"D (279 x 70 x 67mm)
- **Armature:** 7.375"L x 2.375"H x 0.5625"D (187 x 60 x 14mm)
Single or Tandem

Models are available to accommodate single and pairs of doors.

Code Compliance

- NFPA 101
- IBC
- IFC

Standard Models

1511S NA K V Single, Adj 15/30, Aluminum
1511T NA K V Tandem, Adj 15/30, Aluminum

Operation

NA Operation
1) When the door is closed, latched, and the lock is energized, field selectable “15” or “30” is displayed, indicating the door is secure.

2) Applying pressure and retracting the door latch activates a warning tone and digital display countdown. If the door is released in 1 or 2 seconds, the warning tone stops and the door stays locked.

3) When activation exceeds the nuisance time (1 or 2 seconds) an irreversible process begins that will unlock the door in 13 or 14 seconds. The voice message, tone and countdown annunciation continue.

MALE VOICE WITH SECURITY MESSAGE
Tone..... “Exit in twelve seconds,
Security has been alerted”
Tone..... “Exit in five seconds”
Tone..... “Exit now”, Tone.... “Exit now”

FEMALE VOICE WITH SAFETY MESSAGE
Tone..... “Exit in twelve seconds,
Facility Staff has been alerted”
Tone..... “Exit in five seconds”
Tone..... “Exit now”, Tone.... “Exit now”

TONE ONLY (In Lieu of Message)
Activation: Short beeps
Lock Release: Long beeps

4) The door unlocks when delay time has elapsed and the digital display indicates “00” and annunciation continues.

5) The lock is manually reset by the built-in key (K) or optional wall mounted keypad or keyswitch.

6) The door will unlock upon signal from the fire life safety system or power loss.
   Auto Power-Up: Lock will re-arm automatically when power is restored and fire alarm system is reset.
   Manual Power-Up: Lock is re-armed by manual means only at the door by key reset (K) or optional wall mounted reset keypad or keyswitch.

Non Latching Glass doors: Activation by PSB560 Exit Sense Bar (see page 6)

3) When activation exceeds the nuisance time of 1 second an irreversible process begins that will unlock the door in 14 seconds. The voice message, tone and countdown annunciation continue.

MALE VOICE WITH SECURITY MESSAGE
Tone.... “Exit in twelve seconds,
Security has been alerted”
Tone.... “Exit in five seconds”
Tone.... “Exit now”, Tone.... “Exit now”

FEMALE VOICE WITH SAFETY MESSAGE
Tone.... “Exit in twelve seconds,
Facility Staff has been alerted”
Tone.... “Exit in five seconds”
Tone.... “Exit now”, Tone.... “Exit now”

TONE ONLY (In Lieu of Message)
Activation: Short beeps
Lock Release: Long beeps

4) The door unlocks when 15 seconds has elapsed, the digital display indicates “00” and annunciation continues.

5) The lock is manually reset by the built-in key (K) or optional wall mounted keypad or keyswitch.

6) The door will unlock upon signal from the fire life safety system or power loss.
   Auto Power-Up: Lock will re-arm automatically when power is restored and fire alarm system is reset.
   Manual Power-Up: Per California Building Code, lock is re-armed by manual means at the door by key reset (K) or optional wall mounted reset keypad or keyswitch.

Mounting Detail

Fig. 1A Standard Mounting

Fig. 1B With Filler Plate
Refer to Filler Plates and Angle Bracket datasheet for proper filler plate specification.

Fig. 1C With Angle Bracket
Refer to Filler Plates and Angle Bracket datasheet for proper angle bracket specification.
Code Compliance

- BOCA, National Building Code
- Chicago Building Code

Standard Models

- 1511S BD K V Single
- 1511T BD K V Tandem

Operation

BD Operation
1) When the door is closed, latched and the lock is energized, “15” is displayed indicating the door is secure.

2) Applying pressure and retracting the door latch activates a warning tone and digital display countdown. If the door is released in 1 second, the warning tone stops and the door stays locked.

Non-Latching Glass doors: Activation by PSB560 Exit Sense Bar

3) When activation exceeds 1 second, an irreversible process begins that will unlock the door in 14 seconds. The voice message, tone and countdown announcement continue.

MALE VOICE WITH SECURITY MESSAGE
Tone...."Exit in twelve seconds, Security has been alerted"
Tone...."Exit in five seconds"
Tone...."Exit now", Tone...."Exit now"

FEMALE VOICE WITH SAFETY MESSAGE
Tone...."Exit in twelve seconds, Facility Staff has been alerted"
Tone...."Exit in five seconds"
Tone...."Exit now", Tone...."Exit now"

TONE ONLY (In Lieu of Message)
Activation: Short beeps
Lock Release: Long beeps

4) The door unlocks when 15 seconds has elapsed, the digital display indicates “00” and annunciation continues.

5) The door must be opened and then closed for 30 seconds before the lock automatically re-locks and annunciation stops. Reopening of the door before the end of the 30 second re-locking cycle will restart the 30 second re-locking cycle.

Built In Reset and Control

K Built in key switch. Provides 1-30 second timed bypass, sustained bypass and alarm reset (standard). Built in reset not available with BOCA and Chicago (BD) operation.

P Built in reset push switch. Available with NFPA (NA) only.

L Less key or push switch

Finish

Anodized Finishes
- 628 Aluminum (standard)
- 313 Dark Bronze
- 335 Black

Special Plated Finishes
- 605 Bright Brass
- 606 Dull Brass
- 625 Bright Chrome
- 626 Dull Chrome

Ordering Information

Model

- 1511S Single
- 1511T Tandem

Operation Mode

NA NFPA 101, IBC and IFC Compliant
- Field selectable: 15 or 30 second exit delay
- 1 or 2 second nuisance delay
- Field selectable automatic or manual power-up after emergency release

ND California Building Code (OSHPD*), NFPA 101, IBC & IFC Compliant
- Fixed 15 second exit delay
- Fixed 1 second nuisance delay
- Field selectable automatic or manual power-up after power loss or emergency release.

* Office of Statewide Health Planning and Development. All California health and care facilities require inspection by OSHPD certified building inspectors

BD BOCA, National Building Code
- Chicago Building Code
- 15 second fixed exit delay
- 1 second nuisance delay
- Auto reset 30 seconds after door closure. Auto reset is retriggered if door opens before 30 seconds has elapsed.

- 45 seconds when AHJ approved

Ordering Information

West: 800-544-4422 • East: 800-225-6737
www.intldoorclosers.com

Copyright 2014 International Door Closers, Inc. 209
### Infant and Pediatric Protection & Wandering Patient System Application

The Exit Check is unlocked when in maintained bypass or momentary bypass (access/REX) mode. When a tagged patient walks near or in front of the door protection system, the Exit Check® will provide voice and tone annunciation and delay egress for 15 or 30 seconds.

### Keypad In Lieu of Built-In Keypath

Eliminates Problem of Lost Keys, Easy To Reach for Reset, Bypass And Authorized Exit. See 928 keypad page 6. Contact IDC for Wiring instructions.

### Egress Bar & Exit Device Trigger

PSB560, MSB550 non-latching bars Exit Bar Switch Kits for latching exit devices

---

### Terminal Board Connections

<table>
<thead>
<tr>
<th>POWER IN</th>
<th>FP</th>
<th>AUX LOCK OUTPUT</th>
<th>GRN RLY</th>
<th>RED RLY</th>
<th>REMOTE</th>
<th>RESET</th>
<th>REX</th>
<th>INSTANT BYPASS OVERRIDE</th>
<th>DPS</th>
<th>BAS</th>
<th>ATS</th>
</tr>
</thead>
<tbody>
<tr>
<td>-</td>
<td>+</td>
<td>C NC</td>
<td>-</td>
<td>NO C NC</td>
<td>NO C NC</td>
<td>NO C</td>
<td>NO C</td>
<td>NO C</td>
<td>NO C</td>
<td>NO C</td>
<td>NO C</td>
</tr>
<tr>
<td>AUTO SENSING 12/24 VDC INPUT</td>
<td>-</td>
<td>TO CLOSED FIRE CONTACT (REMOVE J6 WHEN USED)</td>
<td>SLAVE / TANDEM LOCK CONTROL OUTPUT</td>
<td>LOCK SECURE OUTPUT</td>
<td>ALARM OUTPUT</td>
<td>EXTERNAL TRIGGER SWITCH INPUT</td>
<td>EXTERNAL RESET SWITCH INPUT</td>
<td>REQUEST TO EXIT INPUT</td>
<td>INSTANT LOCKING FEATURE</td>
<td>DOOR POSITION OUTPUT</td>
<td>MAGNETIC BOND ALERT OUTPUT</td>
</tr>
</tbody>
</table>

### Monitoring Options

- **DPS**: Demand Priority Signaling
- **BAS**: Building Automation System
- **ATS**: Access and Time-of-Day System