ACCESS & EGRESS
SOLUTIONS

1.2 Delayed Egress Locks

The lock behind the system

SDC Security.com 800.413.8783 service@sdcsecurity.com

The lock behind the system
Complete Component Considerations

1. Locking Device
   - Electric Strike
   - Delayed Egress Lock
   - Electric Bolt Lock
   - Electrified Lockset
   - Exit Device
   - Frame Actuator Lockset
   - Magnetic Lock

2. Access Control
   - Standalone or Network
   - Keyswitch
   - Digital Keypad
   - Card Reader

3. Egress Device
   - Exit Switch
   - PIR Egress Sensor
   - Exit Sense Bar
   - Emergency Door Release
   - ADA Compliant Solutions

Standalone

SDC SECURITY DOOR CONTROLS   µ   WWW.SDCSECURITY.COM

2
4 Power Transfer Devices
Required With Locksets & Exit Devices
- Electric Power Hinge
- Power Transfer Loop
- Concealed Power Transfer

5 Power Supply & Door Controller
- 12/24VDC, Class 2
- Fire release input
- System Status LED’s
- Multiple Fused Outputs
- Multiple Relay Configurations
- Universal Programmable Controllers

6 Remote Controls

7 Annunciators

8 Accessories & Misc
- Magnetic Door Holder Release Device
Delayed Egress Locks

Stop Theft, Control Pedestrians in Public Facilities & Airports, Control Wandering Patients, Guard Against Infant Abduction.

The Exit Check® electromagnetic delayed egress lock is designed to delay egress through perimeter exit doors for 15 or 30 seconds. Concurrently an alarm sounds while security and personnel are alerted of unauthorized egress. Compatible with access controls and patient wandering systems, SDC Exit Check® Delayed Egress Locks release immediately in an emergency and comply with all national and regional building and fire life safety codes, including NFPA 101, Special Locking Arrangements.
Exit Check® Integrated
Delayed Egress Locks

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.

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 relock upon 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

PATIENT & INFANT TRACKING SYSTEMS
The SDC 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.

MODELS
1511S Single
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

1511T Tandem
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
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 SDC 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.

1511S
Single

1511T
Tandem

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

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

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.

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.
EXTENDED FEATURES

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 SDC MSB550 Switch Bar or the SDC 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 detailed information on SDC MS Series Latch Monitoring Strikes (page 72), Exit Device Switch Kits (page 177) and Power Transfer Devices (page 229).

KEYLESS CONTROL (OPTIONAL)

920 ENTRY CHECK DIGITAL KEYPAD

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 SDC 920 wall mounted keypad provides the convenience of keyless operation for:

- Alarm Reset
- Manual Power-Up
- Momentary or Sustained Bypass

(UBC & California required)

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Electrical</th>
<th></th>
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<tbody>
<tr>
<td>Input Voltage</td>
<td>Dual voltage Sensing 12/24 VDC ± 10%</td>
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<tr>
<td>Standard 1650lbs Holding Force</td>
<td></td>
<td></td>
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<tr>
<td>1511S</td>
<td>820mA @ 12VDC</td>
<td>500mA @ 24VDC</td>
<td></td>
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<tr>
<td>1511T</td>
<td>1500mA @ 12VDC</td>
<td>850mA @ 24VDC</td>
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<td>Energy Saver 1200lbs Holding Force</td>
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<td>1511S (E option)</td>
<td>400mA @ 12VDC</td>
<td>275mA @ 24VDC</td>
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<td>1511T (E option)</td>
<td>650mA @ 12VDC</td>
<td>400mA @ 24VDC</td>
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<tr>
<td>Single</td>
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<tr>
<td>Weight</td>
<td>11”L x 2-3/4”H x 2-5/8”D</td>
<td>13.2 lbs</td>
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<tr>
<td>Tandem</td>
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<td></td>
</tr>
<tr>
<td>Master/Slave</td>
<td>11”L x 2-3/4”H x 2-5/8”D</td>
<td>26.4 lbs</td>
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<tr>
<td>Armature</td>
<td>7-3/8”L x 2-3/8”H x 9/16”D</td>
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</tbody>
</table>

Inputs

| Request to Exit | Normally open, dry | |
| Fire Alarm Release | Alarm panel closed dry contact. Opening of contact releases lock. | |
| IBO / Instant Bypass | Instant Relocking Feature | |
| Override | | |

Monitoring Outputs

| Alarm Output | SPDT Dry, 1 Amp @ 30VDC | |
| Lock Secure Unlocked Output | SPDT Dry, 1 Amp @ 30VDC | |
| DPS Door Position Status (optional) | SPDT Dry, 250 mA @ 30VDC | |
| BAS Magnetic Bond Status (optional) | SPDT Dry, 250 mA @ 30VDC | |
| ATS Anti Tamper Sensor (optional) | SPDT Dry, 1 Amp @ 30VDC | |
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.

Non Latching Glass Doors: Activation by PSB560 Exit Sense Bar (see page 171)

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 notiﬁed”
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 built-in key (K) or optional wall mounted keypad or keyswitch (see “Delayed Egress Accessories” on page 55)

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 (see “Delayed Egress Accessories” on page 55)
### HOW TO ORDER

1. **SPECIFY MODEL**
   - **1511S** Single, For use with single doors
   - **1511T** Tandem, Activating either door unlocks both doors. For use with pairs of doors

2. **SPECIFY OPERATION MODE**
   - If no Operation Mode is specified, **NA** is the SDC Standard Supplied Code Setting
   - **NFPA 101, IBC, IFC, UBC Compliant**
     - Field selectable 15 or 30 second exit delay and 1 or 2 second nuisance delay
     - Field selectable automatic or manual power-up after power loss or emergency release
     - Manual Reset

3. **SPECIFY BUILT-IN RESET AND CONTROL**
   - **K** Built in key switch. Provides 1-30 second timed bypass, sustained bypass and alarm reset (standard).
   - **P** Built in reset push switch. Available with NFPA (NA) only.
   - **L** Less key or push switch

4. **SPECIFY FINISH**
   - **Anodized Finishes**
     - **V** 628 Aluminum (standard)
     - **Y** 335 Black
   - **Special Plated Finishes**
     - **P** 625 Bright Chrome
     - **Q** 626 Dull Chrome
   - **Powder Coat Finishes**
     - **X** Dark Brown Powder Coat
     - **C** Brass Powder Coat

5. **SPECIFY LOCK OPTIONS**
   - **E** Energy Saver
     - 1200 lbs holding force, low power consumption.
     - See page 41 for full electrical specifications
   - **D** Door Position Status
     - Provides remote monitoring of the door open or closed status and indicates the door has actually been opened for egress after alarm activation. (Specify 2 for tandem)
   - **B** Magnetic Bond Alert Sensor
     - Indicates locked with full holding power or unlocked, reduced holding power, tampering or foreign material between the electromagnet and armature. (Specify 2 for tandem)
   - **A** Anti-tamper Switch
     - Detects attempt to remove the access cover. (Specify 2 for tandem)

6. **SPECIFY PROGRAMMING OPTIONS**
   - **VI** One Language or Bilingual
     - Spanish, or English and Spanish, verbal notification.
   - **VIC** Custom Verbal Announcement
     - (10 piece purchase minimum) POA
   - **RRX** Reset on REX
     - Allows the REX input to reset after an unauthorized egress alarm.
     - *Not available for NC operation*

### ACCESSORIES

- **101-SP** External 15 Watt Speaker
  - Connects directly to 1511S or 1511T for enhanced decibels of onsite or remote voice message annunciation. Speaker driver may be provided by others for extreme decibel requirements.

- **101-SPSN** Remote Single Gang Annunciator
  - Speaker and 80db tone.
  - Duplicates ExitCheck voice message or tone.

- **EA100** Multi-Mode Visual Exit Annunciator Bar
  - Interfaces with Delayed Egress devices for forced entry or unauthorized exit signaling. Highly visible from any angle due to multi-color LED lights with rolling signal.

**PRODUCT SKU SAMPLE:** 1511S NC K V D RRX

**SEE PAGE 99 FOR DELAYED EGRESS EXIT DEVICE**
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 infant carried towards the door protection system sends a signal to the Exit Check®, locking the door immediately. Should a person then initiate unauthorized egress, the Exit Check® will provide voice and tone annunciation and delay egress for 15 or 30 seconds.

Keypad In Lieu of Built-In Keyswitch
Eliminates Problem of Lost Keys, Easy To Reach for Reset, Bypass And Authorized Exit. See 920 keypad page 6. Note: Contact SDC for Wiring instructions

Egress Bar & Exit Device Trigger
PSB560, MSB550 non-latching bars
Exit Bar Switch Kits for latching exit devices

See terminal block above

Note:
Set DIP switch No. 5 to “Remote” position

Terminal Board Connections

<table>
<thead>
<tr>
<th>POWER IN</th>
<th>FP</th>
<th>AUX 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>C</td>
<td>NC</td>
<td>- +</td>
<td>NO C</td>
<td>NO C</td>
<td>NO C</td>
<td>NO C</td>
<td>NO C</td>
<td>NO</td>
<td>C</td>
<td>NC</td>
</tr>
<tr>
<td>AUTO SENSING 12/24 VDC INPUT</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 Bypass Feature</td>
<td>DOOR LOCKING OUTPUT</td>
<td>MAGNETIC BOND ALERT OUTPUT</td>
<td>ANTI TAMPER OUTPUT</td>
</tr>
</tbody>
</table>

Monitoring Options

- SDC SECURITY DOOR CONTROLS
- WWW.SDCSECURITY.COM
COMPONENT CONSIDERATIONS

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

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

Remote Wall Mount Annunciator

Sense Bar Trigger Non-Latching
- PSB560, MSB550

Remote Desktop Annunciator

EMERGENCY RELEASE MODES

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

SDC 600 Series Power Supply
- 115VAC
- Fire Command Center
- Exit Check

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

DUAL EMERGENCY RELEASE
SDC 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.

SDC 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.
APPLICATION

AC Mains

(3) COND / 14 AWG

(3) COND

To Patient Protection System

602RF Power Supply

(3) COND

(8) COND

(5) COND

(8) COND*

*Single Lock Application

Remote Control Desk Options

1511S ExitCheck® w/ EA100 Exit Annunciator

PUSH UNTL ALARM SOUNDS. DOOR CAN BE OPENED IN 15 SECONDS.

Mechanical Latching Exit Device

101-PAM Annunciator Panel (Access/Bypass)

TCC Desktop Console (Access/Bypass/Reset)

101-PAM Annunciator Panel see page 55

TCC Desktop Console see page 271

Remote Control Desk Options

EA100 Visual Exit Annunciator see page 277

S6000 Mechanical Latching Exit Device see page 95

602RF 1 Amp, 12/24 VDC Class 2 Output Power Supply see page 239
1581S Delayed Egress
Mini Exit Check®

When unauthorized egress is initiated, the Mini Exit Check® delays egress through the door for 15 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.

EXIT CHECK® APPLICATIONS INCLUDE:
Restricting the egress of patients for their own safety. Restricting the egress of commercial center patrons for minimum security application needs.

SIZE MATTERS
The Mini Exit Check® is designed to meet the needs of long term care and commercial facilities that require a smaller, less obtrusive, and less expensive delayed egress lock that is better suited for minimum security needs.

In addition, the subdued alarm tone is less disruptive to patients and staff. SDC has also maintained all the features and status outputs found in most higher holding force delayed egress locks on the market.

FEATURES

- 650 lbs Holding Force
- Subdued alarm with 2 distinct tones:
  - Alarm activation - intermittent
  - Door release - continuous
- Choice of activation trigger:
  - Door movement
  - Latching exit device with switch kit
  - Non-latching REX bar
- Self-aligning and vandal resistant proximity sensor trigger
- 5 foot cable

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

PATIENT & INFANT TRACKING SYSTEMS
The SDC 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.

MODEL

1581S Single Mini Delayed Egress Lock, 650 lbs holding force.
Specify 2 for pair of doors

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Auto sensing 12/24 VDC input</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current</td>
<td>320mA @ 12VDC</td>
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<tr>
<td>Size</td>
<td>10&quot;L x 2&quot;H x 2-3/8&quot;D</td>
</tr>
<tr>
<td>Inputs / Outputs</td>
<td>Sustained bypass input, Access control / REX input, timed Door secure / unlocked output, Alarm activation output, Door Position Status (optional), Magnetic Bond Sensor (optional)</td>
</tr>
<tr>
<td>Weight</td>
<td>7.0 lbs</td>
</tr>
</tbody>
</table>

WARRANTY
YEAR
5
SELECTABLE
FIELD
12 24
Locking Devices
Delayed Egress

PUSH UNTIL ALARM SOUNDS. DOOR CAN BE OPENED IN 15 SECONDS.
EXTENDED FEATURES

SLAVE LOCK OUTPUT
The slave lock output enables the use of two units for pairs of doors and ensures that pushing on one door leaf will cause both doors to release.

ACTIVATION TRIGGERS
The Exit Check® is equipped with a built-in activation trigger and a remote trigger device input.

BUILT-IN ACTIVATION TRIGGER
The built-in activation trigger may only be used with doors equipped with a latch assembly (i.e. exit device or mechanical lockset).

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.

REMOTE ACTIVATION TRIGGER INPUT

Activation Trigger For Non-Latching Doors
The remote trigger activation input must be used with doors without latch assemblies (i.e. latchless glass and herculite doors).

Activation may be triggered by the SDC MSB550 Switch Bar or the SDC PSB560 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 Trigger 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.

COMPONENT CONSIDERATIONS

- Sense Bar Trigger Non-Latching: PSB560, MSB550
- Latch Monitoring Strike Trigger For Mortise Exit Devices
- Wall Mount Reset Station Required with 1581SND
- Remote Annunciators and Control Panels

- 600 SERIES POWER SUPPLY EMERGENCY RELEASE

- 115VAC Fire Command Center Closed Contact (open to release lock)

- Latching Exit Device with Built-in Switch Kit Trigger
- Pair of doors with two locks and required TC-3 cable for power and slave operation

- Pair of doors with two locks and required TC-10 cable for power and slave operation

- Pushing either door triggers the delayed release of both doors.
## HOW TO ORDER

1 | SPECIFY MODEL

**1581S** Mini Delayed Egress Exit Check®

2 | SPECIFY OPERATION MODE

If no Operation Mode is specified, **ND** is the SDC Standard Supplied Code Setting

- **ND** UBC, California Building Code, OSHPD, NFPA 101, IBC & IFC Compliant
  - 15 second fixed exit delay, 2 second nuisance delay. Field selectable manual power up after emergency release for California and OSHPD compliance

- **NH** IBC, IFC, NFPA 101 Compliant
  - 30 second fixed exit delay, 2 second nuisance delay

- **NC** CBC Compliant
  - 15 second fixed exit delay, 2 second nuisance delay, power up unlocked fixed

- **BD** BOCA National Building Code Compliant
  - 15 second fixed exit delay, 1 second nuisance delay, auto reset 30 seconds after door closure

- **BH** BOCA National Building Code Compliant
  - 30 second fixed exit delay, 1 second nuisance delay, auto reset 30 second after door closure

- **BC** BOCA National Building and Chicago Complaint
  - 15 second fixed exit delay, 0 second nuisance delay, auto reset 30 second after door closure

3 | SPECIFY FINISH

- **Anodized Finishes**
  - V Aluminum (standard)
  - Y Black anodized

- **Painted Finishes**
  - C Bright Brass powder coat
  - D Dull Brass powder coat
  - X Dark bronze powder coat

- **Plated Finishes (special order)**
  - P Bright chrome
  - Q Dull chrome

4 | SPECIFY STATUS OUTPUTS (OPTIONAL)

- D Door position status
- B Magnetic bond sensor

5 | SPECIFY RESET AND CONTROL DEVICE

Select Reset Station for NC, NH and ND functions

- **918** EntryCheck Digital Keypad, 500 user codes - Keyless Reset - manual power up - bypass
- **728** Key Switch, 2 keys, 1 gang - Reset - manual power up - sustained bypass
- **728L3** Key Switch, 2 keys, 1 gang, LED status indicator - Reset - manual power up - sustained bypass
- **702R** Separate wall mount reset key switch assembly, MO SPDT dry contact, 6 amp @ 30VDC max., accepts standard 1-1/8" to 1-1/4" (Mortise key cylinder not included)
- **101-1AK** Key switch assembly, 2 gang, LED status indicator, less cylinder - Reset - manual power up - sustained bypass
- **101-4AM** Four station remote annunciator

### ACCESSORIES

see also page page 55 for more accessories

Required when using two locks on a pair of doors, cables enable slave operation. Pushing either door triggers the delayed release of both doors.

- **1581S-TC3** Cable kit for connecting two locks through the frame header
- **1581S-TC-10** Cable kit for connecting wiring for two locks in a remote junction box

---

**SEE PAGE 99 FOR DELAYED EGRESS EXIT DEVICE**
### APPLICATION

**IP Network**

**AC Mains**

920 IPRW

Wiegand Access Control Keypad or Reader

see page 155 and page 151

EA100 Visual Exit Annunciator

see page 277

IPPro IP-based Access Control Controller

see page 147

602RF 1 Amp, 12/24 VDC Class 2 Output Power Supply

see page 239
The integral verbal message, digital countdown display and sign provide comprehensive and clear instructions of the door operation for persons without prior knowledge of the exit delay, including the sight and hearing impaired. The digital keypad eliminates the need to carry and locate keys for reset and bypass functions.

**Features**

**Egress Delay**
- 15 or 30 second exit delay
- 1 or 2 second nuisance delay

**Built-in 3 Function Keypad**
- Alarm and lock reset
- 1 to 30 second bypass
- Sustained bypass
- Additional keyswitch optional

**Control Inputs**
- 1 to 30 second request-to-exit and access bypass with anti-tailgate
- Alarm reset
- Infant and wandering patient protection system compatibility
- External DPS input for anti-tailgate and door prop operation

**Built-in Annunciation**
- Armed mode
- Nuisance mode
- Irreversible egress mode
- Release mode
- Digital countdown display
- Field selectable voice notification or tone
- Field selectable male voice with security message or female voice with safety message

**Monitoring Outputs**
- Armed status
- Egress initiation status
- Released status

**Optional Emlock Outputs**
- Door position sensor - indicates door open and door closed, commonly used to verify egress after release
- Magnetic bond sensor - indicates locked with full holding force, low holding force, unlocked and tampering

**Choice of Mounting**
- Recessed mounted (3 gang plaster ring included)
- Surface mounted with optional 3 gang box (DEC-J)

**Trigger Modes**
- Egress alarm triggered by door movement when used with SDC 1500DE series EmLocks.
- Trigger input from external device field selectable (n/o or n/c)

**Power-up Modes**
- Field selectable automatic or manual power up after emergency release or power loss. Use of manual power up complies with California Building Code (OSHPD) requirements

**Models**

**Delayed Egress Controller**

- **101-DE** Wall mount controller with keypad control and reset, 180 mA @ 12/24 VDC
- **101-KDE** Wall mount controller with both keypad and keyswitch control and reset (less cylinder)

**Magnetic Lock with Activation Sensor Specify 2 for pair of doors**

**Indoor Locks**

- **1511DEV** Single, 1650 lbs holding force, 670/350 mA @12/24 VDC, 628 finish standard
- **1571DEV** Single, 1200 lbs holding force, Energy Saver, 250/125 mA @12/24 VDC, 628 std
- **1581DEV** Single, 650 lbs holding force, 440/220 mA @12/24 VDC, 628 finish standard

**Indoor/Outdoor Locks with Activation Sensor and Conduit Fitting**

- **1575DEU** Single magnetic lock with magnetic bond sensor, 630 finish standard
- **1576DEU** Single face drilled magnetic lock with magnetic bond sensor, 630 std

Meets NFPA 80 & 101 for Life Safety
3774-0034-103 California State Fire Marshall Listed
**SPECIFICATIONS**

**Electrical Specifications**

| Inputs          |  |
|-----------------|  |
| Voltage Input   | Auto sensing 12/24VDC +/-10% |
| Reset Input     | N.O., Dry |
| REX Input       | N.O., Dry |
| Trigger         | N.C. or N.O., Dry |
| IBO/DPS         | IBO: N.O., Dry  
|                 | DPS: N.C. |

**Monitoring Outputs**

| Alarm Output    | 1 Amp @ 30VDC SPDT Dry |
| Lock Secure     | 1 Amp @ 30VDC SPDT Dry |

**Mechanical Specifications**

| Controller      | 6-1/2" x 4-1/2" x 1-1/2" |
|                 | 1.15 lbs |
| 1581DE          | 8-3/4" x 2-1/8" x 1-1/4" |
| 1571DE / 1511DE | 11" x 2-3/4" x 1-9/16"  
| 1575DE / 1576DE | 8-45/64" x 2-1/2" x 1-39/64" |

**APPLICATION**

**DOOR WITHOUT LATCH ASSEMBLY**

Activation by Sure Exit® Push Bar

- Power supply to fire command center
- 115 VAC

**DOOR WITH LATCH ASSEMBLY**

Activation by Door Movement

- Power supply to fire command center
- 115 VAC

**CODE COMPLIANCE**

- IFC International Fire Code
- IBC International Building Code
- NFPA 1 Uniform Fire Code
- California Building Code

**DISPLAY MODES**

- **15** Door armed and locked.
- **00** Alarm countdown period has ended, door is unlocked and alarm sounding until reset.
- **- -** Door has been opened after REX, Bypass or Alarm.
- **- -** Door unlocked and alarm is shunted (REX or Bypass)

**APPLICATION**

**DOOR WITH LATCH ASSEMBLY**

Activation by Door Movement

- Power supply to fire command center
- 115 VAC
- Standard exit device
- No switch, no power transfer
- EMLock

**DOOR WITHOUT LATCH ASSEMBLY**

Activation by Sure Exit® Push Bar

- Power supply to fire command center
- 115 VAC
- MSB550/PSB580
- REX bar
- EMLock

**PUSH UNTIL ALARM SOUNDS. DOOR CAN BE OPENED IN 15 SECONDS**
HOW TO ORDER

1 | SPECIFY MODEL (ONE PER OPENING)
   101-DE  Wall mount controller with keypad control and reset
   101-KDE Wall mount controller with both key switch and keypad control and reset

2 | SPECIFY OPERATION MODE
   If no Operation Mode is specified,
   NA is the SDC Standard Supplied Code Setting
   
   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  UBC, California Building Code, OSHPD, NFPA 101, IBC & IFC Compliant
       15 second fixed exit delay, 2 second nuisance delay.
       Field selectable manual power up after emergency release for California and OSHPD compliance
   
   NH  IBC, IFC, NFPA 101 Compliant
       30 second fixed exit delay, 2 second nuisance delay

   NC  CBC Compliant
       15 second fixed exit delay, 2 second nuisance delay, power up unlocked fixed
   
   BD  BOCA National Building Code Compliant
       15 second fixed exit delay, 1 second nuisance delay, auto reset 30 seconds after door closure
   
   BH  BOCA National Building Code Compliant
       30 second fixed exit delay, 1 second nuisance delay, auto reset 30 second after door closure

3 | SPECIFY MAGNETIC LOCK WITH INTEGRATED ACTIVATION SENSOR (SPECIFY TWO FOR PAIR OF DOORS)
   1511DEV Single, 1650 lbs holding force, 670/350 mA @12/24VDC
   1571DEV Single, 1200 lbs holding force, Energy Saver, 250/125 mA @12/24VDC
   1581DEV Single, 650 lbs holding force, 440/220 mA @12/24VDC

Outdoor Locks
   1575DEU Single outdoor magnetic lock with magnetic bond sensor
   1576DEU Single face drilled outdoor magnetic lock with magnetic bond sensor

4 | SPECIFY MAGNETIC LOCK FINISH
   Anodized Finishes
   V  Aluminum (standard)
   Y  Black anodized
   Painted Finishes
   X  Dark bronze powder coat

5 | SPECIFY MONITORING (OPTIONAL)
   D  Door Position Sensor: Indicates door open and door closed. Specify two for double doors (not available with 1581, 1575 and 1576)
       SPDT Dry, 250 mA @ 30VDC.
   B  Magnetic Bond Sensor: Indicates locked and unlocked, low holding power, tampering and obstruction between armature and magnetic core. Specify (2) for double doors (1581DE SPST only)

ACCESSORIES

see also page 55 for more accessories

1575DE-ZB  Inswing mounting bracket for 1576DEU
101-1AK  Outdoor reset with LED and audible annunciator, 2-gang outdoor box required

see also page 15 for additional mounting kits and angle brackets

DEC-J  3-gang interior surface mount box for 101-DE
SHD-J  Shroud for surface mount box
DEC-J outdoor use

SEE PAGE 99 FOR DELAYED EGRESS EXIT DEVICE
Delayed Egress Accessories

RESET STATION CONTROLS
Reset Station for ND and NH functions
Reset not required for BD and BH function

918 EntryCheck™ digital keypad
500 user codes, Keyless Reset / manual power up / bypass

728 Key switch 2 keys, 1 gang Reset / manual power up / sustained bypass

728L Key switch 2 keys, 1 gang, LED status indicator Reset / manual power up / sustained bypass

LATCH TRIGGER
MS-16 Latch Trigger Switch
For doors equipped with Mortise Locks and Mortise Exit Devices.
Wiring from the door to frame is eliminated

STATION CONTROLS & ANNUNCIATORS
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

920 EntryCheck™ digital keypad 500 user codes, Keyless Reset / manual power up / bypass

101-1A The single station annunciator is equipped with a tri-color LED and audible alarm.

101-AK Visual and audible annunciation and key switch for alarm reset, manual power up and sustained bypass.

101-PAM Visual and audible annunciation, timed access, sustained bypass, and audible mute.

101-4AM Provides visual and audible annunciation with audible mute for two, three or four openings.
**700R Series** Single Gang Key Switches

The SDC 700R Series Single Gang Key Switch assemblies provide an economical method of providing authorized control for a variety of applications.

**FEATURES**
- Compatible 1” to 1-3/8” (Mortise key cylinder not included)
- Reset Key Switch Assembly
- Security Spanner Screws
- Vandal Resistant Cylinder Recess

**SPECIFICATIONS**

<table>
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<tr>
<th>Faceplate</th>
<th>20 Gauge Stainless Steel, Single Gang</th>
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| Reset Key Switch Assembly | 702R: Reset Key Switch  
707R: Reset Switch with Dual Function for Bypass (authorized egress) and Reset  
708R: Reset Switch for Bypass (on/off) and Reset |
| Contacts | 702R: MO SPDT Dry Contact  
707R: (2) MO SPDT Dry Contact  
708R: (1) Maintained and (1) MO SPDT Dry Contact |
| Contact Rating | 6 Amp @ 30VDC max. |
| Wire Leads | 7”, 22 Guage |
| Weight | 0.5 lbs |

**MODELS**

- **702RU** Wall Mount Reset Key Switch Assembly
- **707RU** Remote Reset Key Switch with dual Function for Authorized Egress & Reset  
- **708RU** Remote Reset Key Switch for Bypass & Reset

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**SURE EXIT REQUEST-TO-EXIT**

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. Metal Endcaps standard.

**MECHANICAL SWITCH BAR**

SDC’s MSB550 is designed to release electromagnetic door locks for uninhibited egress. When slight pressure is applied a microswitch is actuated, immediately releasing the electromagnetic door lock. Metal Endcaps standard.

**PSB560V** Aluminum Anodized  
**PSB560Y** Black Anodized

**MSB550V** Aluminum Anodized  
**MSB550Y** Black Anodized
CONSOLES, DESKTOP AND RACK MOUNT

SDC control and annunciator panels provide remote annunciation of multiple openings. Stations are specified in sets of four. Control switches are also available and capable of providing both sustained bypass and timed unlocking of individual doors. Consult the factory or refer to SDC control console datasheets for additional specifications.

POWER SUPPLIES

Delayed egress applications require properly approved power supplies with emergency release capability.

- **621B** Power supply module, 1 Amp 12/24VDC, Class 2. 40VA, 24VAC transformer required to achieve 1 Amp output. See SDC TP2440 plug-in or TJ2440 base mount transformers.
- **621P** Power supply module, 1 Amp, 12/24VDC, Class 2, with UL Listed plug-in transformer.
- **621PJ** Power supply module, 1 Amp, 12/24VDC, Class 2 and small enclosure with cover mounted LED power supply status indicator and UL Listed plug-in transformer.
- **602RF** 1 Amp class 2 output (4 outputs optional.)
- **631RF** 1.5 Amp class 2 output (4 & 8 outputs optional.)
- **632RF** 2 Amp class 2 output, (4, 8 & 12 outputs optional.
- **634RF** 4 Amp; Field select one 4 Amp output or two 2 Amp class 2 outputs. (4, 8, 12 & 16 outputs optional.)
- **636RF** 6 Amp; Field select one 6 Amp output or three 2 Amp class 2 outputs (4, 8, 12, 16, 20 & 24 outputs optional.)
SDC Door Check List

JOB NAME:__________________________________________________________________________

DOOR IDENTIFICATION: (EXTERIOR______ (INTERIOR)______

DOOR LOCATION OR NUMBER _______________________________________________________________________

SINGLE DOOR HANDING: RH___ LH___ RHR___ LHR___

DOUBLE DOORS HANDING: RH___ LH___ RHR___ LHR___

TYPE OF DOOR: HOLLOW METAL ___: ALUMINUM & GLASS ___: HERCULITE (TOP & BOTTOM RAILS) ___
HERCULITE (BOTTOM RAIL ONLY) ___: HERCULITE (PIVOT & LOCK PATCH FITTINGS) ______________________

DOES DOOR HAVE AN “EXIT” SIGN ABOVE IT  ___ YES  ___ NO

DOOR SIZE: W_____ X H_____ + DOOR THICKNESS______ + LOCK HEIGHT______ + LOCK BACKSET_______

HINGE TYPE __________________ + HINGE SIZE _____________ + HINGE FINISH ___________________________

EXISTING LOCK TYPE & BRAND _________________________________ + FINISH ___________________________

DOOR CLOSER: SURFACE MOUNT: INSIDE___ OR OUTSIDE___: CLOSER MANUFACTURE____________________

DOOR CLOSER: IN THE HEADER _ : HOLD OPEN FEATURE YES___ NO___ : DEGREE OF OPENING__________

AUTOMATIC DOOR OPERATOR: MANUFACTURE & MODEL# ____________________________

AUTOMATIC DOOR OPERATOR PUSH PLATE SWITCHES: HARD WIRED _________ OR WIRELESS________

WHAT KIND OF CEILING ______________ (PLASTER, DRYWALL, LIFT OUT, PANELS OR PUZZLE)

HOW HIGH IS THE CEILING __________

WHAT KIND OF HEADER ______________ (NONE, WOOD, STEEL, ALUMINUM, GLASS)

WHAT TYPE OF TRAFFIC:  LIGHT ____ MEDIUM _____ HEAVY _____

PICTURES TAKEN OF DOOR: YES ___ OR NO ___

MEASUREMENT FROM DOOR TO ACCESS CONTROLLERS: _________________________________

MEASUREMENT FROM DOOR TO POWER SUPPLY: ________________________________________

WIRE GAGE ______: WIRE TYPE __________: AMOUNT OF WIRES ______: EXTRA WIRES __________

VOLTAGE AT DOOR:_______: VOLTAGE AT POWER SUPPLY _______: CURRENT AT DOOR __________

Door Hands

Left Hand “LH”
(Outside)

Right Hand “RH”
(Outside)

Left Hand Reverse Bevel “LHR, LR”

Right Hand Reverse Bevel “RHR, RR”

Door Width ± 1/32”
Door Height ± 1/32”
Door Thickness ± 1/16”
Lock Height ± 1/32”

Security Door Controls
800-413-8783

Service

SDC Security Door Controls
WWW.SDCSECURITY.COM

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- 5 Year Warranty
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- ADA Compliant
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- Capable Locking Hardware
NOTES