Exit Check® Integrated Delayed Egress Locks

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 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.

Facility Applications

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

Code Compliance

Exit Check® models comply with todays 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

NFPA 101, Life Safety Code
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
10 (13-160-269) Electro-Magnetic Locking Devices.

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.

Hugs® Infant Protection Compatible*

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).

c UL us LISTED
FWAX Special Locking Arrangements
GWXT Auxiliary Locks

UL10C Positive Pressure Compliant
UBC Classified in accordance with Uniform Building Code standard 7-2 "Fire Test for Door Assemblies"

CFSM
3774-0324:103
California State Fire Marshall Listed

BHMA CERTIFIED
ANSI/BHMA A156.24
Grade 1
American National Standard for Delayed Egress Locks

MADE IN THE USA

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

MADE IN USA

SECURITY DOOR CONTROLS

sdcsecurity.com
service@sdcsecurity.com

Price & Installation

*'Hugs' is a Stanley Black & Decker and Stanley Security Solutions trademark.
SDC is not a licensee of, or affiliated or connected with Stanley Black & Decker or Stanley Security Solutions.

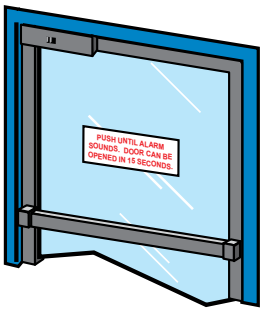
Single Model

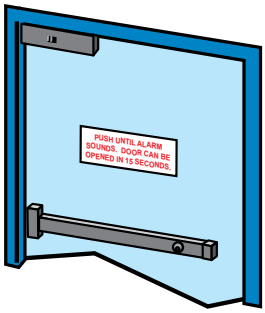
For use with single doors equipped with:

- Mortise or rim mount exit devices
- Surface or concealed vertical rod exit devices with surface or concealed strikes and triggers
- Mortise or cylindrical locksets



1511S





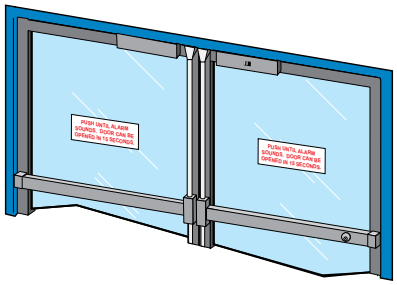
Tandem Model

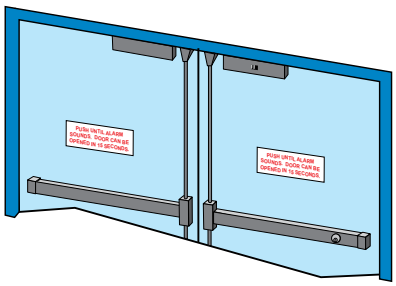
Activating either door unlocks both doors.
For use with pairs of doors equipped with:

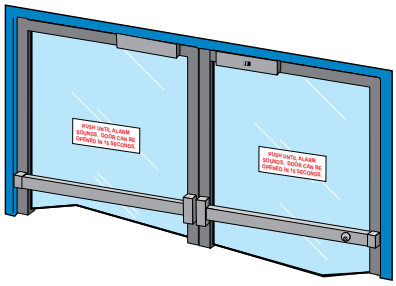
- Mortise or rim mount exit devices
- Surface or concealed vertical rod exit devices with surface or concealed strikes and triggers
- Mortise or cylindrical locksets



1511T







Code Compliant Door Sign

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

Verbal and Digital Annunciation

The Exit Check® series incorporates an alternating verbal message, verbal countdown and alarm tone, plus a large digital count-down 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 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

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

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 SDC datasheets for detailed information on SDC 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)



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 (UBC & California required)
- Momentary or Sustained Bypass

Electrical Specifications

Input Voltage:	Dual voltage Sensing 12/24 VDC ± 10%

Standard 1650lbs Holding Force

1511S	830mA @ 12VDC 450mA @ 24VDC
1511T	1500mA @ 12VDC 850mA @ 24VDC

Energy Saver 1200lbs Holding Force

1511S (E option)	400mA @ 12VDC 275mA @ 24VDC
1511T (E option)	650mA @ 12VDC 400mA @ 24VDC

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: *(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

Mechanical Specifications

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

Single:	11"L x 2-3/4"H x 2-5/8"D (279 x 70 x 67mm)
Tandem:	
Master:	11"L x 2-3/4"H x 2-5/8"D (279 x 70 x 67mm)
Slave:	11"L x 2-3/4"H x 2-5/8"D (279 x 70 x 67mm)
Armature:	7-3/8"L x 2-3/8"H x 9/16"D (187 x 60 x 14mm)

Single or Tandem

Models are available to accommodate single and pairs of doors. See page 2 for proper application.



S (Single)



T (Tandem)

Mounting Detail

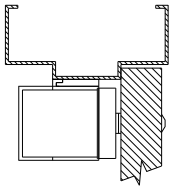


Fig.1A Standard Mounting

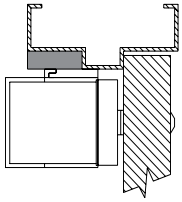


Fig. 1B With Filler Plate
Refer to Filler Plates and Angle Bracket datasheet for proper filler plate specification.

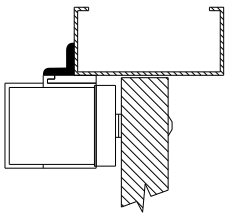


Fig. 1C With Angle Bracket
Refer to Filler Plates and Angle Bracket datasheet for proper angle bracket specification.

Code Compliance

► **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.

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

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 mount keypad or kewswitch (page 6)

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 rest.
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 (page 6)

Code Compliance

► **California Building Code**
► **NFPA 101** ►**IBC** ►**IFC**

Standard Models

1511S ND K V Single, 15 Fixed, Aluminum
1511T ND K V Tandem, 15 Fixed, Aluminum

Operation

ND 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 (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 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 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 (page 6).

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 (page 6)

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 (see page 6)

3) When activation exceeds 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 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 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. Manual reset not available.

6) Built-in key (K) or optional wall mounted keypad or keyswitch (page 6) provide timed or maintained bypass.

7) The door will unlock upon signal from the fire life safety system or power loss.

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 **BC** ► **BOCA, National Building Code**
- 15 second fixed exit delay
- 0 second nuisance delay
- Auto reset 30 seconds after door closure. Auto reset is retriggered if door opens before 30 seconds has elapsed.

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

Finish

Anodized Finishes

V	628 Aluminum *(standard)*
X	313 Dark Bronze
Y	335 Black

Special Plated Finishes

C	605 Bright Brass
D	606 Dull Brass
P	625 Bright Chrome
Q	626 Dull Chrome

Options

E **Energy Saver**
1200 lbs holding force, low power consumption, only 275mA @ 24VDC. *See page 3 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)*

VI **One Language or Bilingual**
Spanish, or English and Spanish, verbal notification.

VIC **Custom Verbal Announcement**
(10 piece purchase minimum) POA

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

Station Controls and 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



702RU



708RU

920 Keypad *(see page 3)*
702RU Alarm Reset & Manual Power-Up Key Switch
708RU Alarm Reset, Manual Power Up & Bypass Key Switch



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



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



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



101-4AM
Provides visual and audible annunciation with audible mute for two, three or four openings.

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.



TCC Desk Top
Stations: 4, 8 & 12



RCC
Rack Mount Stations: 4 - 20



CAB Desk Top Cabinet
CAB7: Accommodates 1 RCC
CAB12: Accommodates 2 RCC

Latch Strikes Trigger

MS-16 For mortise latch, reversible



- Fits 4.875" Strike (provided by others)
- Gap & alignment adj.
- SPDT, 5 Amps @ 30VDC

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.

Model
PSB560V Aluminum Anodized
PSB560Y Black Anodized

Stainless steel and brass optional 36" is standard. For wider doors specify 42" or 48". May be field cut.

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

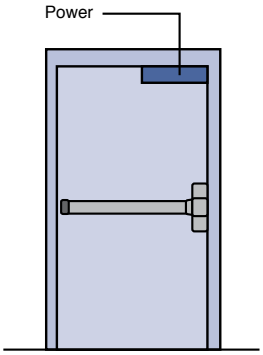
Exit Device Switch Kits

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.

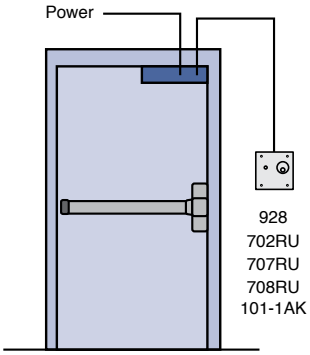


MODEL	MAKE & MODEL TO BE MODIFIED
00510	Von Duprin 33, 35, 98, 99
00510-2	Von Duprin 33, 35, 98, 99 DPDT
00511	Von Duprin 55
00512	Von Duprin 88
00514	Dor-O-Matic 990, 1090, 1990, 2090
00516	Sargent 9600, 9700, 9800, 9900
00517	Adams Rite 8300, 8400, 8700, 8800
00518	Precision Apex Series 1100
00518A	Precision Apex Series 2100 - 2800
00519	Jackson 1095
00519-2	Jackson 1095 DPDT
00521	Corbin 7000
00525	Monarch 18 and 19
00527	Sargent 80
00527-2	Sargent 80 DPDT
00528	Sargent 20/60 and Yale 2100
00531	Yale 7000 (Dogging mechanism required)
00535	Kawneer Mid Panel Line Dor-O-Matic 1390
00540	Arrow 53/5400 series
00542	Hager 4700
00590	Dor-o-Matic 1690

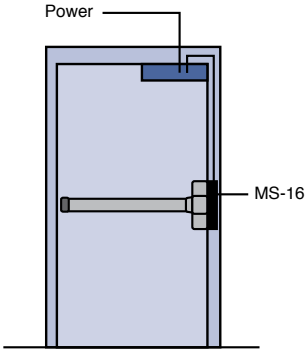
Component Considerations



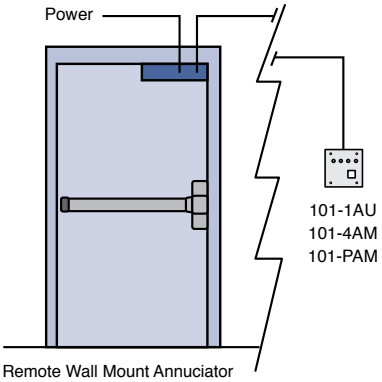
Door Movement Trigger by Latching Exit Device
Rim Mount, Mortise, or Vertical Rod



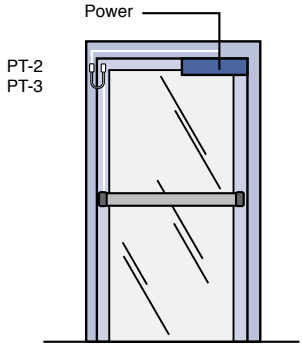
Optional Wall Mount Key Reset
(Built-In Key Reset Standard)



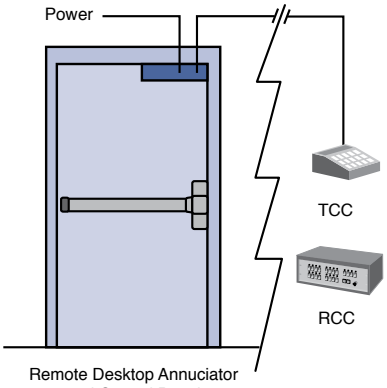
Latch Monitoring Strike Trigger
For Mortise Exit Devices or Lock



Remote Wall Mount Annuciator



Sense Bar Trigger Non-Latching
PSB560, MSB550



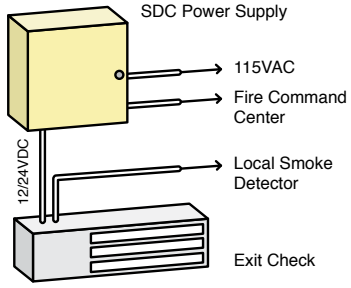
Remote Desktop Annuciator
and Control Panel

Emergency Release Modes

Dual Emergency Release

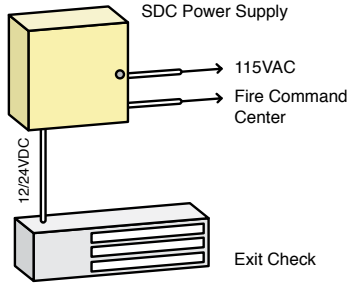
SDC 600 Series Power Supply and Integrated Lock Emergency Release

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



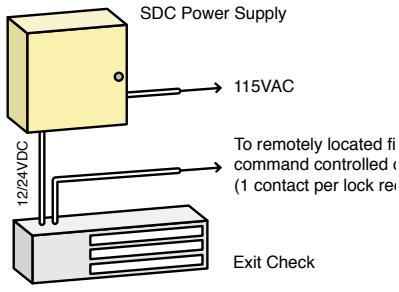
SDC 600 Series Power Supply Emergency Release

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



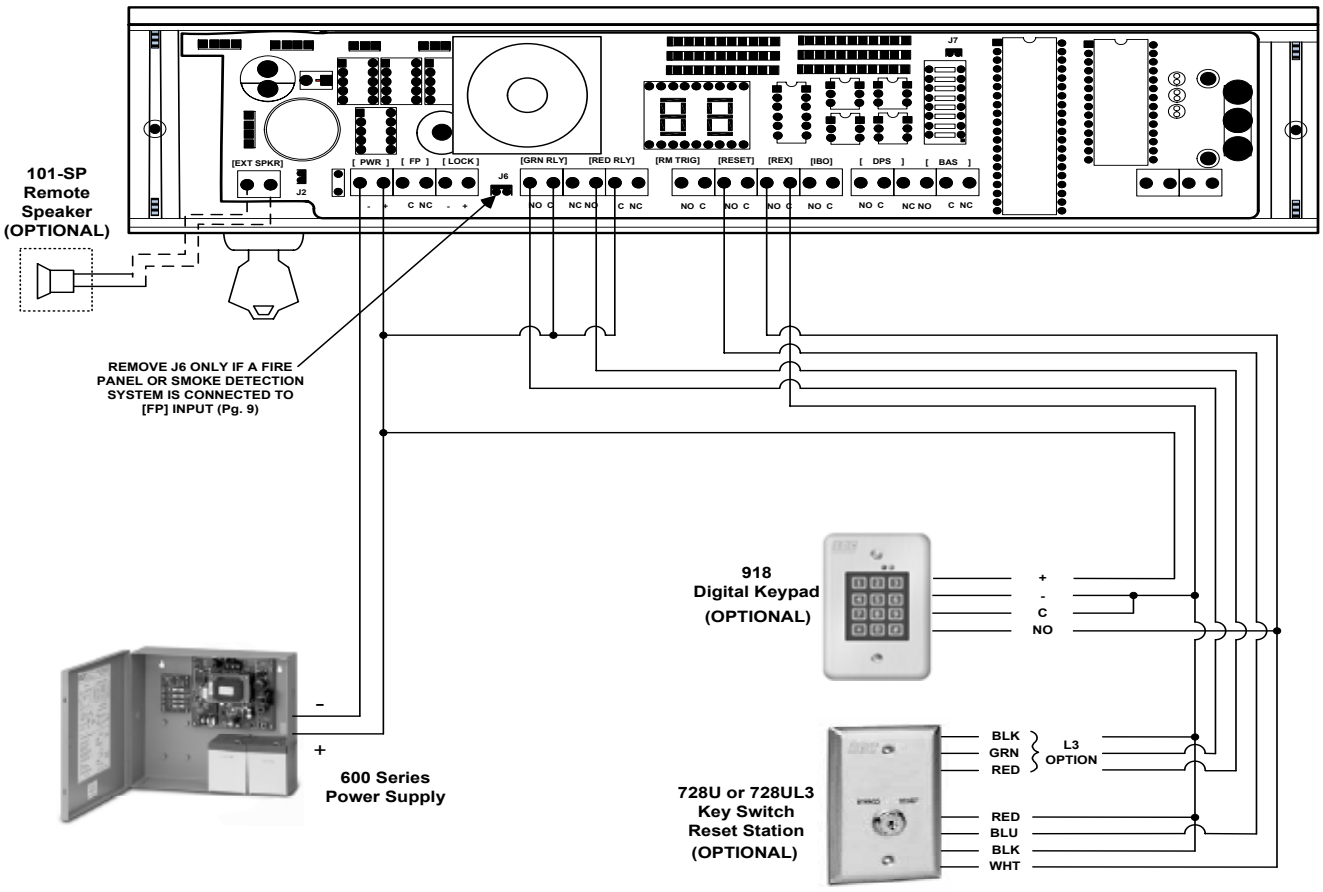
Integrated Lock Emergency Release

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



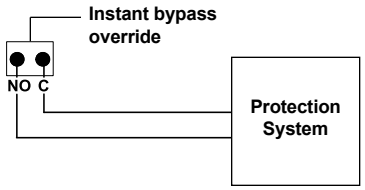
**Emergency Release Manual Reset Not Available with 631RF Power Supply*

Lock Wiring



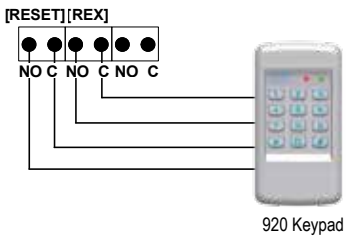
Infant and Pediatric Protection & Wandering Patient System Application

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.



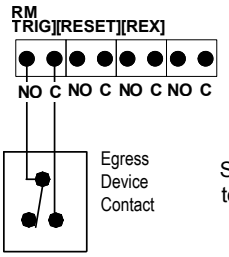
Keypad In Lieu of Built-In Keyswitch

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



Note:
Set DIP switch No. 5 to "Remote" position

Terminal Board Connections									Monitoring Options		
POWER IN	FP	AUX LOCK OUTPUT	GRN RLY	RED RLY	REMOTE	RESET	REX	INSTANT BYPASS OVERIDE	DPS	BAS	ATS
- +	C NC	- +	NO C NC	NO C NC	NO C	NO C	NO C	NO C	NO C NC	NO C NC	NO C NC
AUTO SENSING 12/24 VDC INPUT	TO CLOSED FIRE CONTACT (REMOVE J6 WHEN USED)	SLAVE / TANDEM LOCK CONTROL OUTPUT	LOCK SECURE OUTPUT	ALARM OUTPUT	EXTERNAL TRIGGER SWITCH INPUT	EXTERNAL RESET SWITCH INPUT	REQUEST TO EXIT INPUT	INSTANT LOCKING FEATURE	DOOR POSITION OUTPUT	MAGNETIC BOND ALERT OUTPUT	ANTI TAMPER OUTPUT

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