Exit Check® Integrated Delayed Egress Locks

Exit Check® Delayed Egress Lock Proprietary Features:

- *Field selectable voice notification or tone*
- *Field selectable male voice with security message or female voice with safety message*
- *Digital countdown display*
- *Selectable 15 or 30 second exit delay may be permanently field fixed*
- *Custom exit delay time and voice notification available in English or Spanish or alternating English and Spanish (optional)*

Application

- **Airport & Public Facility Security & Safety**
  Control pedestrian traffic in government and 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.
- **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.

Typically used on exit doors, when unauthorized egress is initiated, 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
1003.3.1.8.2 Delayed Egress Locks

IFC, International Fire Code
1003.3.1.8.2 Delayed Egress Locks

NFPA 101, Life Safety Code
7-2.1.6.1 Delayed Egress Lock

NFPA 1, UFC - Uniform Fire Code
14.5.3.1 Delayed Egress Locks

UBC, Uniform Building Code
1003.3.1.10 Special Egress Control Devices

CBC, California Building Code
1003.3.1.10 Special Egress Control Devices

SBC, Standard Building Code
1012.6 Special Locking Arrangements

BOCA, National Building Code
1017.4.1.2 Special Locking Arrangements

Chicago Building Code
10 (13-160-269) Electro-Magnetic Locking Devices. Certificate of approval available

Patient 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.

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.

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"

MADE IN THE USA

3773-0324:103
California State
Fire Marshall Listed

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

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

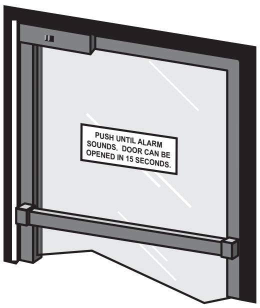
www.SDCsecurity.com E-mail: service@sdcsecurity.com

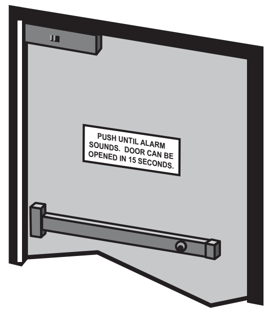
Single Model

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



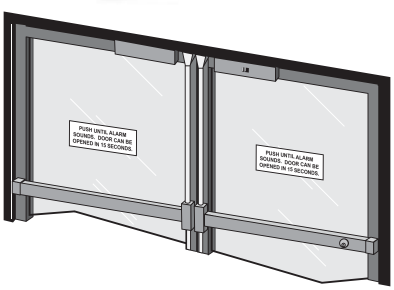


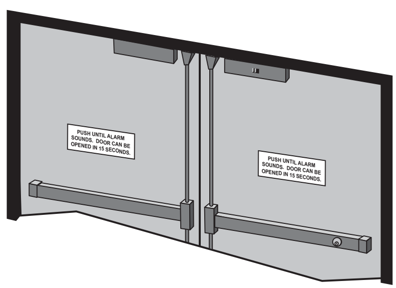
Tandem Model

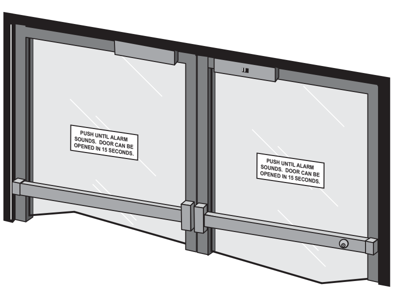
Activating either door unlocks both doors.
For use with pairs of doors equipped with:

- 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.

Annunciation

The Exit Check® 1511S series incorporates an **alternating 75 db tone and verbal message** with a **digital countdown display** and sign that provides clear and comprehensive instructions for persons without prior knowledge of door operation. This is especially significant for those who are **blind or hearing impaired.**

Features

- Digital countdown display
- Selectable 15 or 30 second exit delay may be permanently field fixed.
- Field selectable voice notification or tone
- Field selectable male voice with security message or female voice with safety message
- Field selectable door movement trigger only, external device trigger only or activaton by either door movement or external device trigger
- Field selectable nuisance delay
- Field selectable door prop alarm
- Field selectable automatic or manual power up after emergency release or power loss. Use of manual power-up complies with Uniform Building Code and California Building Code (OSHPD) requirements.
- Integrated key switch for alarm reset, power up, sustained bypass and timed bypass, adjustable for 1,15, 20 or 30 seconds
- 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
- External reset input
- Emergency release 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

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 select 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
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 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

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 2.75"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)

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"

MADE IN THE USA

3773-0324:103
California State Fire Marshall Listed

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

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

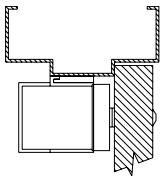


Fig.1A Standard Mounting

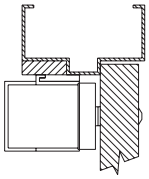


Fig. 1B With Filler Plate
Refer to Filler Plates and Angle Bracket datasheet for proper filler plate specification.

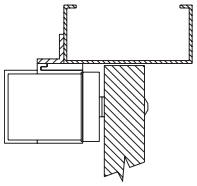


Fig. 1C With Angle Bracket
Refer to Filler Plates and Angle Bracket datasheet for proper angle bracket specification.

Code Compliance

- **NFPA 101**
- **NFPA 1-UFC**
- **UBC**
- **SBC**
- **IBC**
- **IFC**
- **California Building Code (OSHPD)**

Standard Models

1511S NA K V Single
1511T NA K V Tandem

Operation

NA - Operation

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

2) Applying less than 15 lbs of pressure and releasing the door latch activates the nuisance timer, intermittent alarm tone and the digital display count down. If egress is terminated before the nuisance time setting (1 or 2 seconds) has elapsed, the door stays locked, the alarm tone stops and the digital display resets to “15”.

3) When activation exceeds the nuisance time (1 or 2 seconds) an irreversible process begins that will unlock the door in 15 seconds (i.e. 2 + 13). The digital display continues to countdown and the alarm tone and verbal instructions alternate.

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 (i.e. 2 + 13) and the digital display indicates “00”. The alarm tone and verbal instructions continue to alternate.

5) The lock must be manually reset

K Built-in key switch provides, reset sustained and timed bypass.

V Clear anodized aluminum finish

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 less than 15lbs. of pressure and retracting the door latch sounds an activation warning tone. If the door is released in less than 1 second, the warning tone stops and the door stays locked.

3) When activation exceeds 1 second, an irreversible process begins that will unlock the door in 14 seconds. The digital display counts down and the alarm tone and verbal instructions alternate, alerting personnel.

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 (1 + 14) has elapsed and the digital display indicates “00”. The alarm tone and verbal instructions continue to alternate.

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

K Built-in key switch provides sustained and timed bypass. Reset is automatic. Manual reset not available

V Clear anodized aluminum finish

Ordering Information

Model

1511S Single
1511T Tandem

Operation Mode

NA ► **NFPA 101** ► **NFPA 1-UFC**
► **UBC** ► **SBC**
► **IBC** ► **IFC**
► **California Building Code (OSHPD)**

- Selectable 15 or 30 second exit delay may be permanently field fixed.
- 1 or 2 second nuisance delay
- Manual reset

BD ► **BOCA, National Building Code**
► **Chicago Building Code**

- 15 second fixed exit delay
- 1 second nuisance delay
- Auto reset 30 secs. after door closure*
  *45 seconds when AHJ approved

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

Special Plated Finishes
C 605 Bright Brass
D 606 Dull Brass
F 611 Bright Bronze
G 612 Dull Bronze
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

BHMA CERTIFIED
ANSI/BHMA A156.24
Grade 1
American National Standard
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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
3773-0324:103
California State
Fire Marshall Listed

MADE IN THE USA

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

928

702-6R

707-6R

928 Keypad *(see page 3)*
702R Alarm Reset Key Switch
707R Two Function Key Switch
Alarm Reset and Sustained Bypass

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 a two function key switch for alarm reset 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.

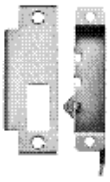
TCC Desk Top
Stations: 4, 8 & 12

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



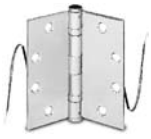
- Fits 4.875" Strike (provided by others)
- Gap & alignment adj.
- SPDT, 5 Amps @ 30VDC

Power Transfer Loops

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

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
PSB560X Dark Bronze Anodized
PSB560Y Black Anodized

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

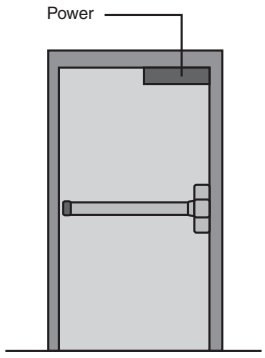
Specifications
Voltage Input: 12/24VDC
Current Input:
20 mA at rest, 115 mA active
Output:
Two, SPDT Dry, 3 Amp @ 28VDC
Operating Temperature: 0° - 150° F

Exit Device Switch Kits

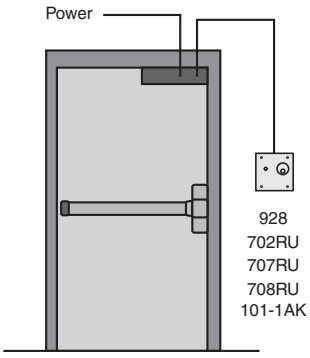
Switch kits are field installed in the inactive hinge pad of rim mount exit devices, mortise exit devices, concealed vertical rod exit devices and surface vertical rod exit devices.

MODEL	MAKE & MODEL TO BE MODIFIED
510	Von Duprin 33, 35, 98, 99
510-2	Von Duprin 33, 35, 98, 99 DPDT
511	Von Duprin 55
512	Von Duprin 88
514	Dor-O-Matic 990, 1090, 1990, 2090
516	Sargent 9600, 9700, 9800, 9900
517	Adams Rite 8300, 8400, 8700, 8800
518	Precision Apex Series
519	Jackson 1095
519-2	Jackson 1095 DPDT
521	Corbin 4000
525	Monarch 18 and 19
527	Sargent 80
527-2	Sargent 80 DPDT
528	Sargent 20/60
531	Yale 7000 (Dogging mechanism required)
535	Kawneer Mid Panel Line Dor-O-Matic 1390
540	Arrow 53/5400 series

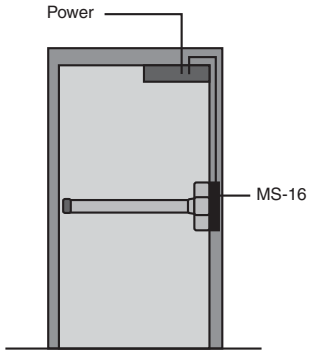
Component Considerations



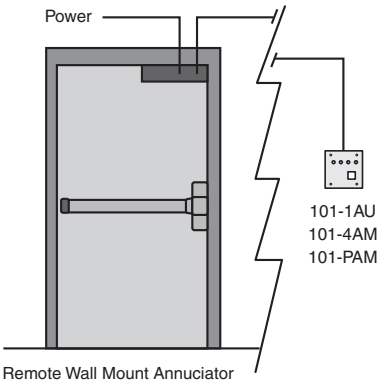
Door Movement Trigger by Latching Exit Device
Rim Mount, Mortise, or Vertical Rod



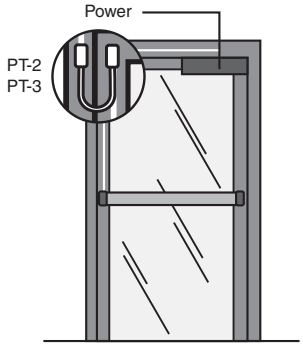
Optional Wall Mount Key Reset
(Built-In Key Reset Standard)



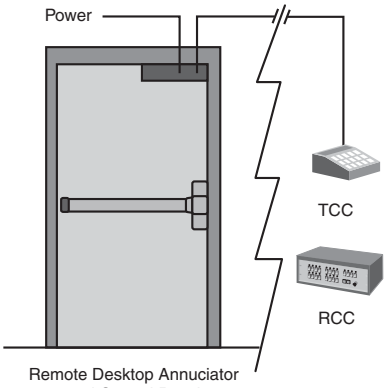
Latch Monitoring Strike Trigger
For Mortise Exit Devices or Lock



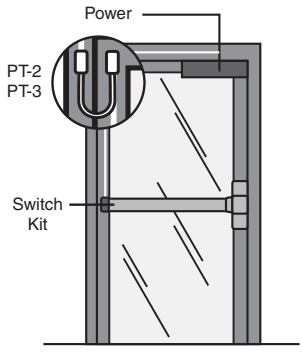
Remote Wall Mount Annuciator



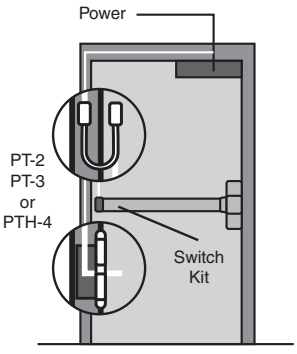
Sense Bar Trigger Non-Latching
PSB560, MSB550



Remote Desktop Annuciator
and Control Panel



Latching Exit Device with
Built-in Switch Kit Trigger



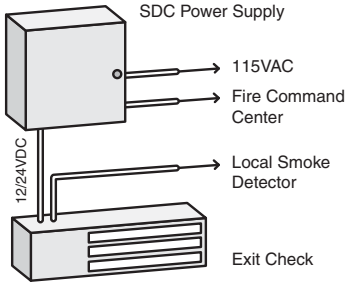
Latching Exit Device with
Built-in Switch Kit Trigger

Emergency Release Modes

Dual Emergency Release

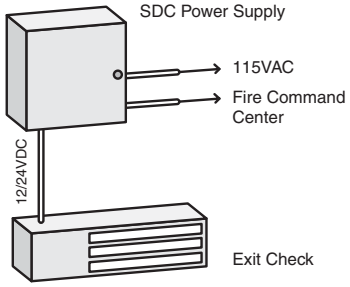
SDC 600 Series Power Supply and Integrated Lock Emergency Release

- Field Select Lock Auto Reset or Lock Manual Key Reset
- Field Select Power Supply Output Auto Reset or Manual Reset*



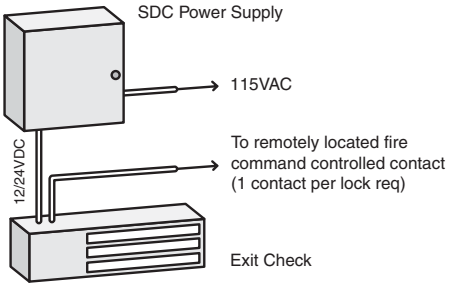
SDC 600 Series Power Supply Emergency Release

- Field Select Lock Auto Reset or Lock Manual Key Reset
- Field Select Power Supply Output Auto Reset or Manual Reset*

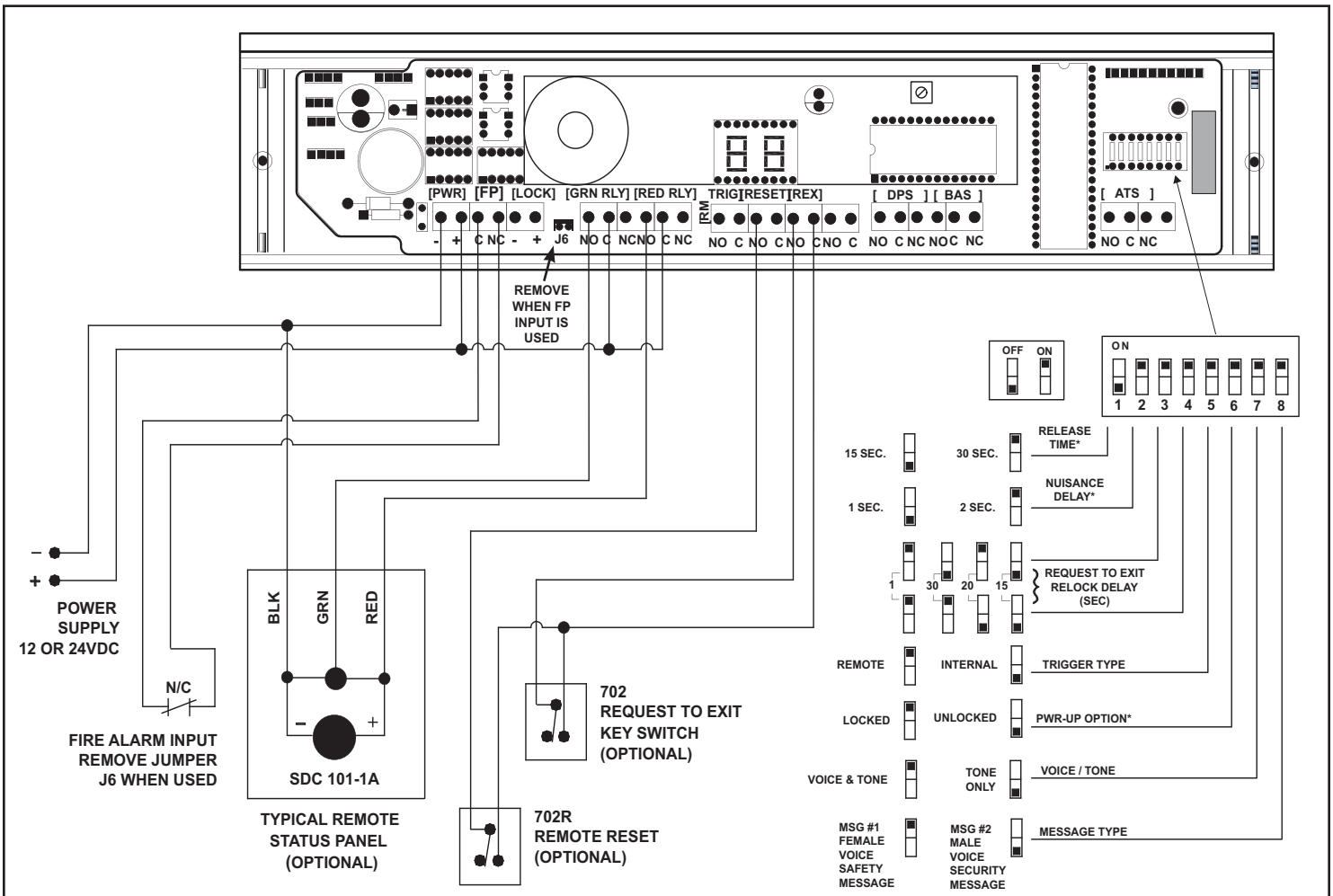


Integrated Lock Emergency Release

- Field Select Lock Auto Reset or Lock Manual Key Reset
- Field Select Power Supply Output Auto Reset or Manual Reset*



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



Terminal Board Connections									Monitoring Options		
POWER IN	**FP**	**AUX LOCK OUTPUT**	**GRN RLY**	**RED RLY**	**TRIGGER**	**RESET**	**REX**	**NOT USED**	**DPS**	**BAS**	**ATS**
– +	**C NC**	**– +**	**NO C NC**	**NO C NC**	**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		DOOR POSITION OUTPUT	MAGNETIC BOND ALERT OUTPUT	ANTI TAMPER OUTPUT

SECURITY DOOR CONTROLS

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