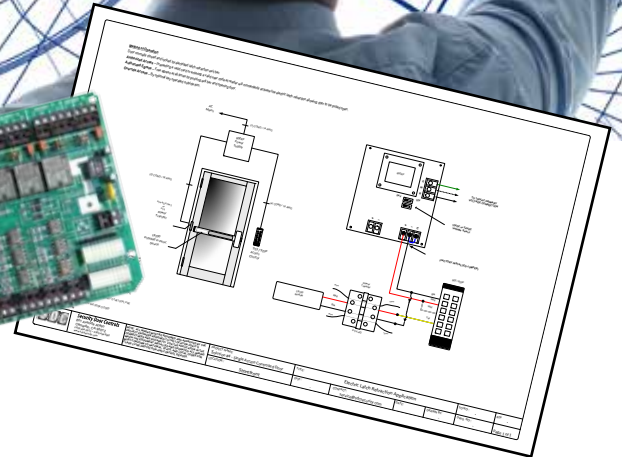
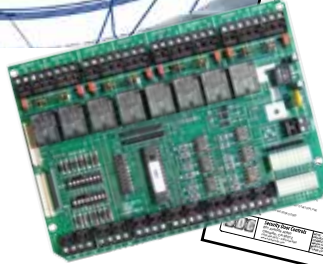




Systems Design Services



Ever wish you could save time and money when programming multi-door projects? Troubleshooting product conflicts upsetting you? Are system maintenance headaches eating into your profit? SDC's low cost comprehensive services are available when you purchase SDC locks, controller and power supply for door opening applications from your distributor.

SDC's Engineered System Design Services save time and money when programming multi-door projects. Robust, low cost services are available when you purchase SDC locks, field programmable access hardware controller and power supply for a door opening system from your distributor. Reduce costly programming time, wiring, product conflicts and maintenance headaches while you profit more with an engineered system designed by SDC.

This section includes just a few of many complimentary System Drawings available for common single and double door applications.

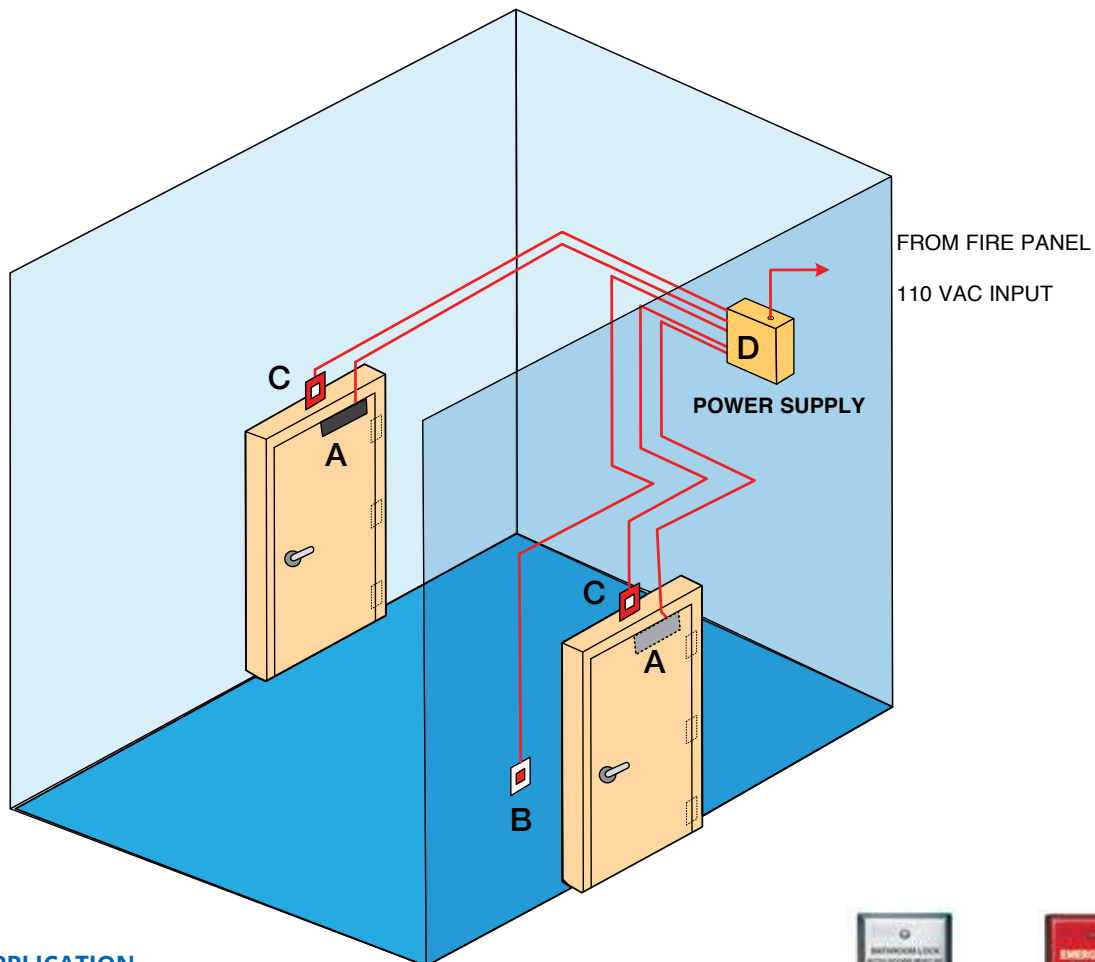
For more drawings and to request a System Quotation, visit:
<http://sdcsecurity.com/SystemEngineering.htm>

APPLICATIONS



- Commercial Buildings
- Technology Centers
- Warehouses
- Industrial Facilities
- Convention Centers
- Long Term Living Facilities

Communicating Bathroom EMLock[®] Solution



APPLICATION

Single hospital bathroom shared by two patient rooms.

SYSTEM OPERATION

Both doors must be closed to lock.

Activating CB401A (B) locks both doors.

Activating CB401A (B) again unlocks both doors.

When doors are locked, activating either CB401B (C) emergency release will unlock both doors.

Both doors will unlock automatically via signal from fire panel.

SYSTEM COMPONENTS

- (A) Fail Safe locks with door position switch. Example: 1511-DPS, 1571-DPS, 1581-DPS
- (B) CB401A System activation push switch.
- (C) CB401B Emergency release push switch to be mounted above each door. CB701B key switch optional.
- (D) 631RFxUR1 Power Supply with Fire Panel Tie-In.

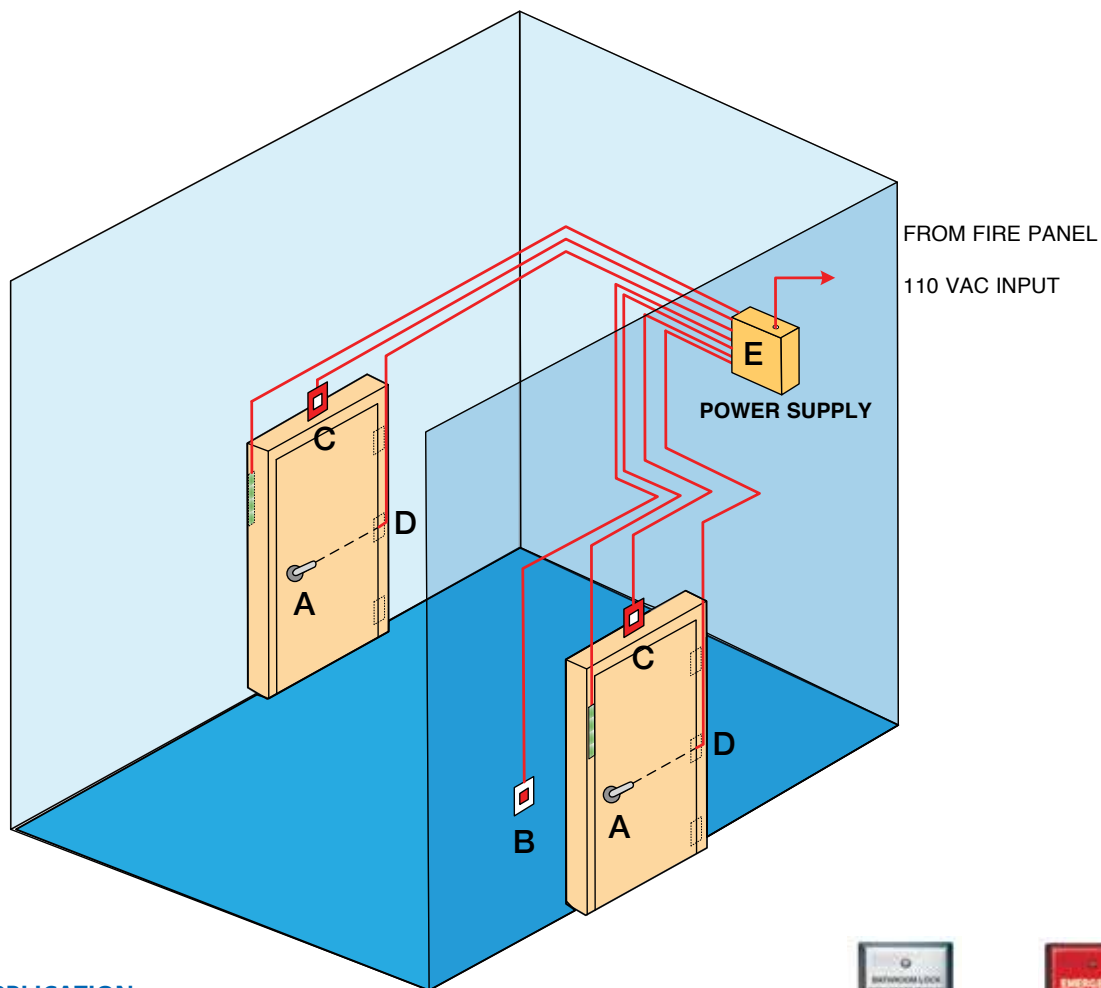


CB401-A
CB402-A



CB401-B
CB402-B

Communicating Bathroom Selectric® or Electra® Solution



APPLICATION

Single hospital bathroom shared by two patient rooms.

SYSTEM OPERATION

Both doors must be closed to lock.

Activating CB402A (B) locks both doors.

When doors are locked, turning either inside door lever unlocks both doors.

When doors are locked, activating either CB402B (C) emergency release will unlock both doors.

Both doors will unlock automatically via signal from fire panel.

SYSTEM COMPONENTS

- (A) Fail Safe locks with door position switch or REX. Examples: 7850-RD or 7250-R
- (B) CB402A System activation push switch.
- (C) CB402B Emergency release push switch to be mounted above each door. CB702B key switch optional.
- (D) PTH-4-DPS
- (E) 631RFxUR1 Power Supply with Fire Panel Tie-In.



CB401-A
CB402-A

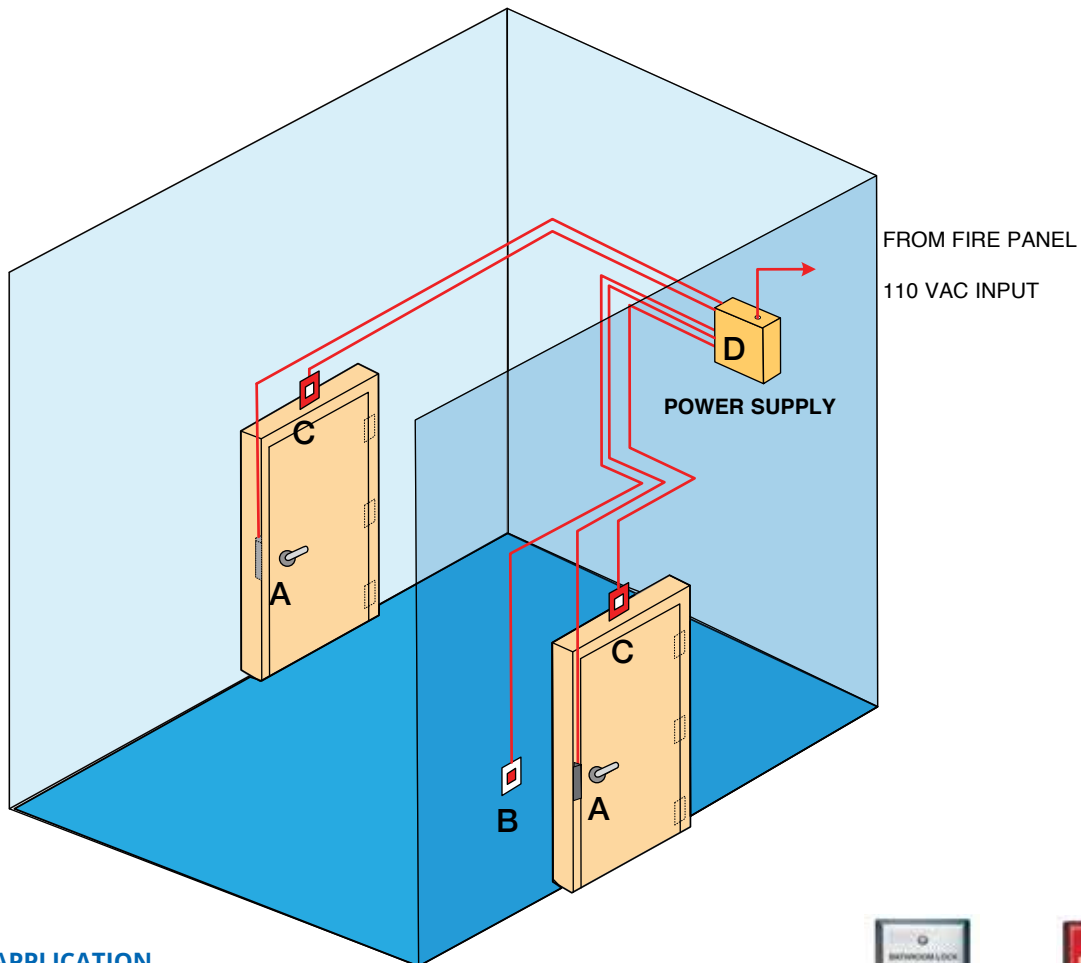


CB401-B
CB402-B



UR1

Communicating Bathroom HiTower® or Electric Strike Solution



APPLICATION

Single hospital bathroom shared by two patient rooms.

SYSTEM OPERATION

Both doors must be closed to lock.

Activating CB402A (B) locks both doors.

When doors are locked, turning either inside door lever unlocks both doors.

When doors are locked, activating either CB402B (C) emergency release will unlock both doors.

Both doors will unlock automatically via signal from fire panel.

SYSTEM COMPONENTS

- (A) Fail Safe locks with latch bolt monitoring. Examples: 7550-L or 45-4SU
- (B) CB402A System activation push switch.
- (C) CB402B Emergency release push switch to be mounted above each door. CB702B key switch optional.
- (D) 631RFxUR1 Power Supply with Fire Panel Tie-In.



CB401-A
CB402-A



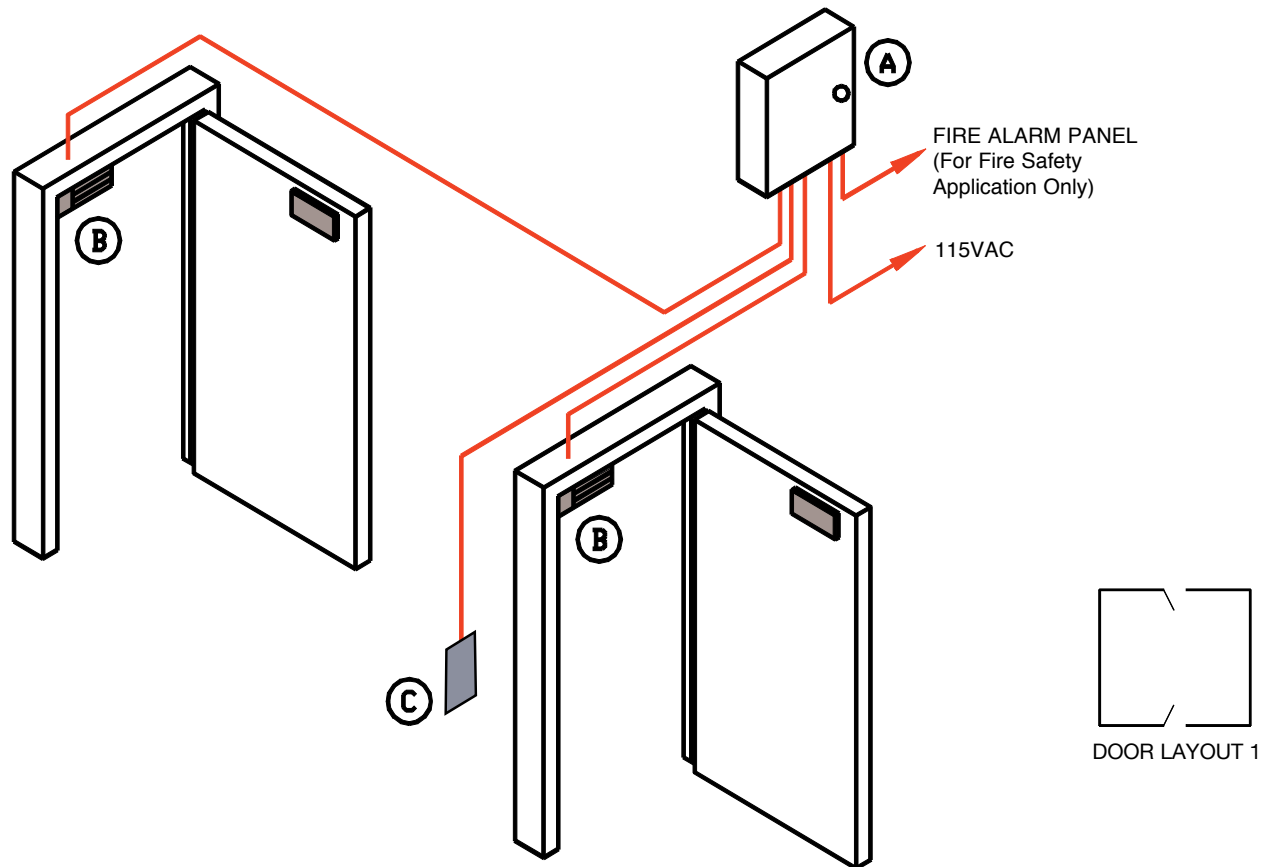
CB401-B
CB402-B



UR1

2 Door Interlock 'A'

3 and 4 Door Interlock Available



APPLICATIONS

Darkrooms, laboratories, clean rooms, x-ray or other treatment rooms, light and air trap rooms and more.

SYSTEM OPERATION

All doors remain closed and unlocked. Opening either door causes the second door to lock until the opened door returns to the closed position. A key switch is provided for system activation and deactivation.

SYSTEM COMPONENTS SHOWN

- (A) 631RFA-UR2-4 Power Supply
- (B) 1511-DPS EmLock
- (C) 701 System On-Off Key Switch

ALTERNATE "B" COMPONENTS

Refer to literature for lock specifications.

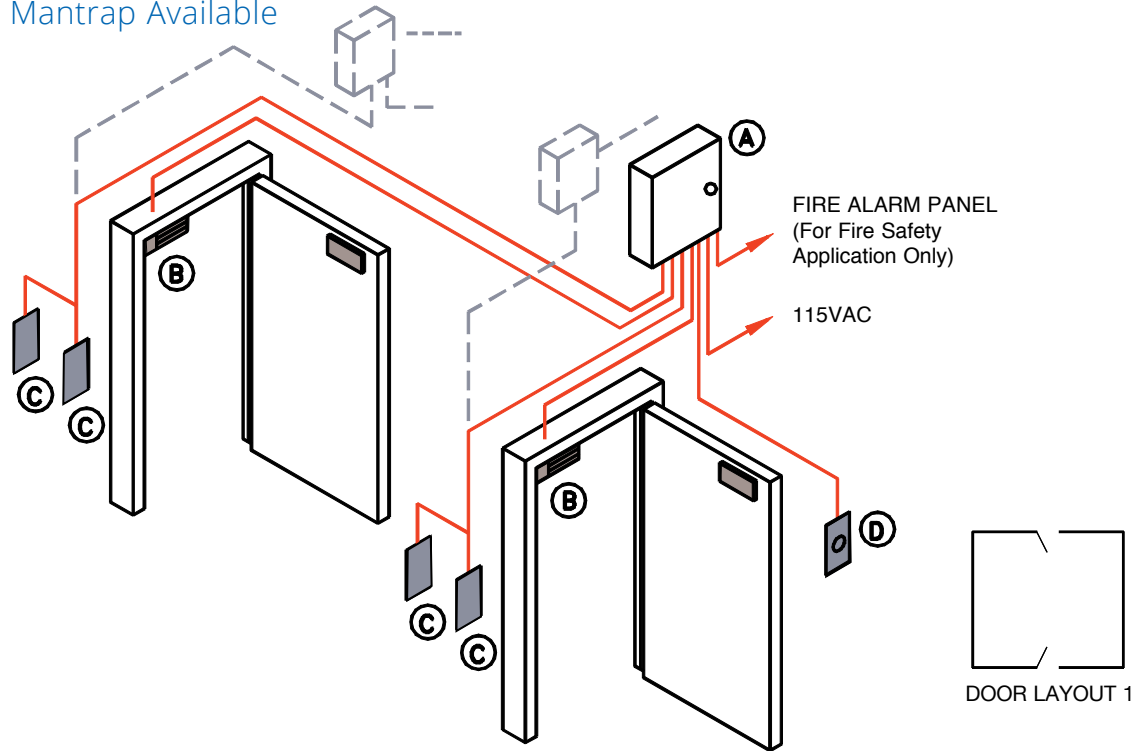
EmLocks	Electric Strikes	HiTower	Bolt Locks
1581-DPS	▶ 55-A-LBM	7530-L	FS23M-D
1565-DPS	▶ 55-B-LBM	7830-DS	1190A-D
1511-DPS-TJ	▶ 55-C-LBM	▶ 7560-L	1091A-D

- ▶ Indicates Fail Secure

NOTES: Consult factory for 3 and 4 door interlocks. Operation and configurations shown may be altered for specific job application needs. Consult factory for more information. Component changes may require system design/schematic changes. Consult factory.

2 DOOR MANTRAP 'B'

3 and 4 Door Mantrap Available



APPLICATIONS

Laboratories, clean rooms, money counting rooms, restricted dark rooms, computer rooms and more.

SYSTEM OPERATION

Both doors are normally closed and locked. Unlocking either door causes the other to be incapable of being unlocked. A key switch (D) is provided for system activation and deactivation. Doors are accessed by Digital Keypad (C).

SYSTEM COMPONENTS SHOWN

- (A) 631RFA-UR2-4
- (B) 1511-DPS-BAS or 1511-BAS
- (C) 918 Digital Entry Momentary Access
- (D) 701 Key Switch ON-OFF

ALTERNATE "B" COMPONENTS - Refer to literature for lock specifications.

EmLocks	Electric Strikes	HiTower	Bolt Locks
1565-DPS-BA	▶ 55-A-LCM-LBM	7530-S	FS23M-BD
1511-DPS-BAS-TJI	▶ 55-B-LCM-LBM	▶ 7560-S 7830-DS	1190A-BD

▶ Indicates Fail Secure

ALTERNATE "C" COMPONENTS/ACCESS CONTROL - Refer to literature for switch specifications.

Key Switch	Desk Switch	Keypad	Card or Keypad Reader
702	15-2	918	920
702N		920	920P
802			
802N			

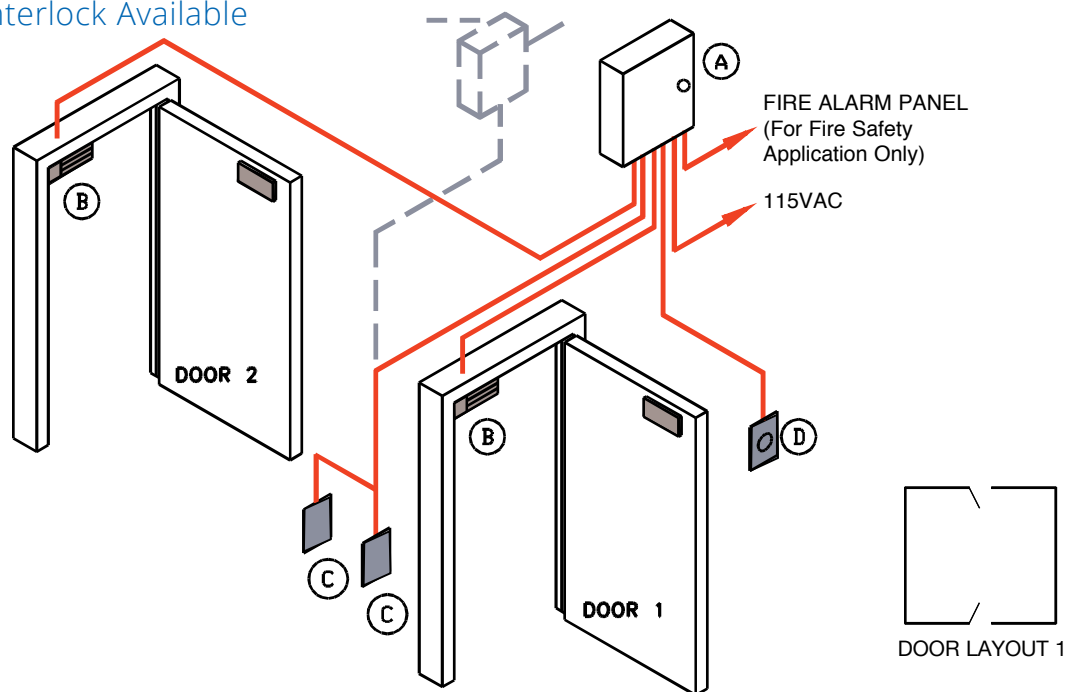
ALTERNATE "D" COMPONENTS/ON-OFF SWITCH - Refer to literature for switch specifications.

Desk Switch	Push Switch
15-1 ON-OFF	425 ON-OFF

NOTES: Consult factory for 3 and 4 door mantraps. Operation and configurations shown may be altered for specific job application needs. Consult factory for more information. Component changes may require system design/schematic changes. Consult factory for Control and Monitoring Panel applications.

2 Door Interlock 'C'

3 and 4 Door Interlock Available



APPLICATIONS

Laboratories, clean rooms, money counting rooms, restricted dark rooms, computer rooms and more.

SYSTEM OPERATION

Door 1 is locked, Door 2 remains unlocked. When Door 1 is unlocked, Door 2 locks. When Door 2 is opened, Door 1 cannot be unlocked. A key switch (D) is provided for system activation and deactivation. Door 1 is accessed by Digital Keypad.

SYSTEM COMPONENTS SHOWN

- (A) 631RFA-UR2-4 Power Supply
- (B) 1511-DPS-BAS EmLock
- (C) 918 Digital Entry Momentary Access
- (D) 701 Key Switch ON-OFF

ALTERNATE "B" COMPONENTS - Refer to literature for lock specifications.

EmLocks	Electric Strikes	HiTower	Bolt Locks
1565-DPS-BA	▶ 55-A-LCM-LBM	7530-S	FS23M-BD
1511-DPS-BAS-TJI	▶ 55-B-LCM-LBM	7830-DS	1190A-BD
		▶ 7560-S	

▶ Indicates Fail Secure

ALTERNATE "C" COMPONENTS/ACCESS CONTROL - Refer to literature for switch specifications.

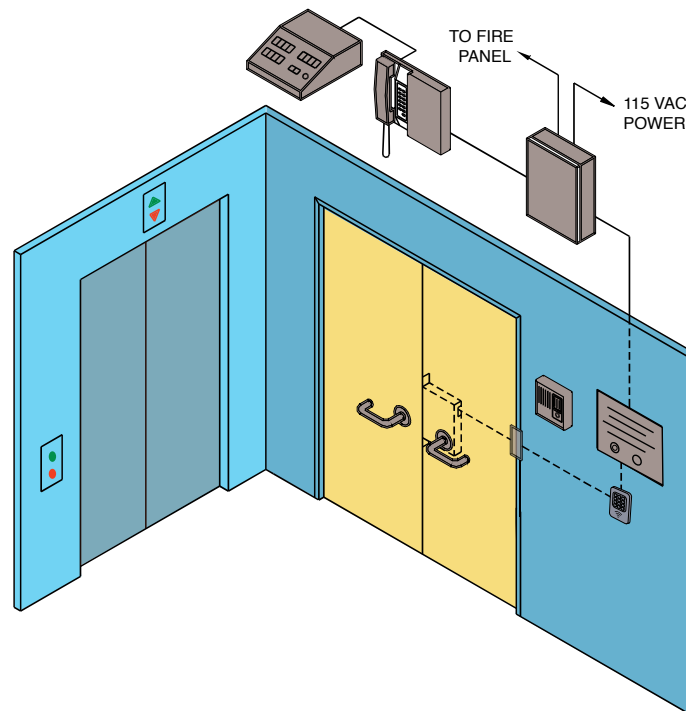
Key Switch	Desk Switch	Keypad	Card or Keypad Reader
702	15-2	918	920
702N		920	920P
802			
802N			

ALTERNATE "D" COMPONENTS/ON-OFF SWITCH - Refer to literature for switch specifications.

Desk Switch	Push Switch
15-1 ON-OFF	425 ON-OFF

NOTES: Consult factory for 3 and 4 door interlocks. Operation and configurations shown may be altered for specific job application needs. Consult factory for more information. Component changes may require system design/schematic changes.

Elevator Lobby Door System



SYSTEM OPERATION

Many high-rise building tenants that occupy a complete floor may have a problem when it comes to securing their elevator lobby doors. These doors lead through office space to the emergency exit stairwell doors. People must have free access to the stairwell at all times. This leaves some companies vulnerable to transient traffic, theft and loss of proprietary information. SDC manufactures a lobby door security system which meets both fire life safety and security needs.

The elevator lobby doors are normally closed and locked by SDC Model Z7850 Fail-Safe lockset. The intercom system provides two-way communication to the security desk. When a call is placed from the elevator lobby, the security desk personnel can momentarily release the SDCZ7850 lockset by using the SDC Desk Console (Model DTMO-1). If there is no response from the security desk personnel, the person in the elevator lobby can depress the red exit palm push button switch on the Alarm Panel Sign (SDC Model APB-1000). When the red exit switch is activated, the SDC Model Z7850 lock will immediately release and an alarm will sound in the elevator lobby and the security desk console.

An authorized person can reset the lockset, turn off the alarm and return the system to the normal secured operation by using the built-in Key Reset on the red exit palm push button switch. Personnel may always obtain access to the offices by use of an access control system. Egress from the office to the lobby is accomplished by rotating the inside lever.

A SDC Series 600 Power Supply will provide 24VDC power to the locks, Security Desk Console and alarm. The emergency control relay within the power supply will turn off the system power when activated by a building fire alarm device. The SDC Model Z7850 lockset will release immediately when power is removed.

SYSTEM COMPONENTS SHOWN

- (1) SDC-Z 7850 Lock
- (2) SDC-PTH-4 Power Transfer Hinge
- (3) 920P Stand Alone Proximity Reader
- (4) SDC-APB 1000 Sign with Release Push Switch and Alarm
- (5) Intercom/CCTV by others
- (6) SDC-631RF Power Supply
- (7) SDC-DTMO-1, RCC or TCC Door Control Console and Annunciator

NOTE: All system field wiring is to be installed in accordance with all local building codes and the approval of the local authority having jurisdiction. All wiring is to be done by a licensed Access Control or Fire and Life Safety specialist.