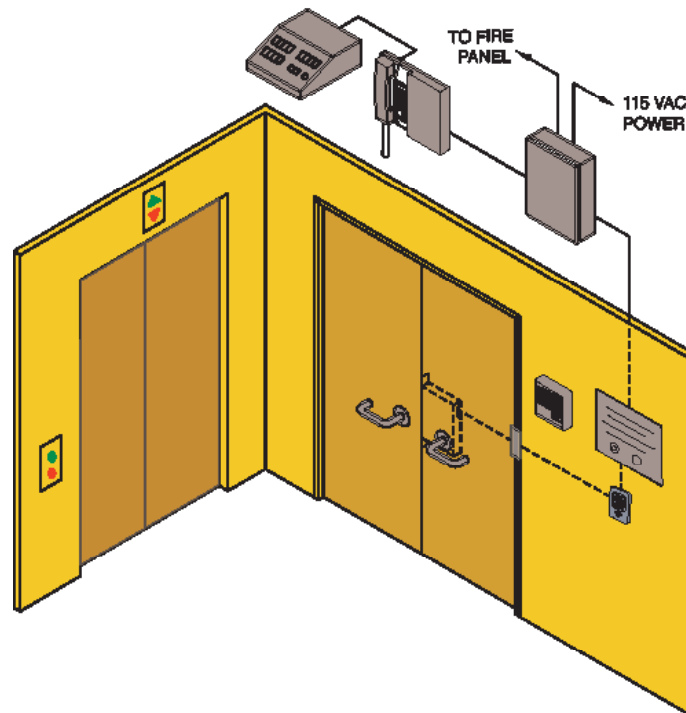# Elevator Lobby Door System

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 HiTower 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.