

# Out of the blue

## The Revolutionary Security and Safety Exit Device

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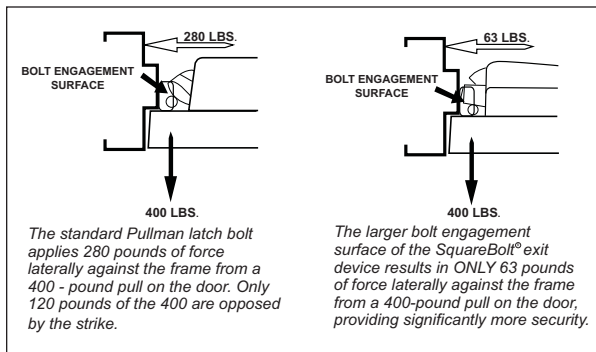
Just as easy to open as traditional latchbolts, the SquareBolt® exit device's unique construction offers innovative protection. The patented design presents an improved physical barrier that locks into place and stays there. Credit cards, crowbars, door rattling and shaking are resisted, significantly reducing the threat of unauthorized entry. Available in wide stile, narrow stile, and narrow appearance designs.

### Yale® SquareBolt® 7100 Series Exit Device



#### Features and Benefits

- Non-handed for easy installation
- Ideally suited for egress doors in remote areas such as behind retail stores and schools.
- Fully adjustable surface-mounted 3/8" diameter roller strike complete with positive locking plate and shims
- Available in double cylinder function





# SCHOOL SECURITY SOLUTIONS

By Fred Howe (Outside Sales Representative)



In a school crisis situation, time is critical and exposure to a threat needs to be avoided at all costs. These crisis situations are a terrifying thought but by understanding the areas where threats may penetrate a school's security, it can be identified where defenses can be strengthened. A

school's security can be categorized into three main levels; at the classroom door, interior doors and the main entrance. This overview will illustrate these three levels and explain the devices used to help alleviate intruder threats.

## 1

### LEVEL ONE: MAIN ENTRANCE ≠ PERIMETER DOORS

Knowing who's at the main entrance and granting to those who merit access, can greatly decrease the risk of an unwanted intruder. Aiphone's MKS-2MCD complete video door answering

system is ideally suited to remotely communicate to the main entrance and allow admittance by activating an electromechanical device such as an electric strike.





### MKS-2MCD

- Audio/Video Monitor
- 4" CRT Screen
- All call to other units
- Door release contact
- Instant-on when door calls
- PanTilt controlled from inside monitor stations
- Built in infrared LED's
- One power supply for entire system
- Activate door strike from inside station(s)
- Hands free communication at the door station
- Can activate most electromechanical devices; electric strikes, electrified exits devices, and electrified locksets

### Electric Strikes



## Aiphone

### 5000 Series

- Tamper resistant
- 2400 lbs. static strength
- Durability minimum of 500,000 cycles of operation
- Non-handed
- .22 Amp @ 12VDC
- .11 Amp @ 24VDC



### 300 Series

- Horizontally adjustable keeper to allow for door and frame misalignment
- Dynamic strength 70 ft-lbs.
- Non-handed
- .51 Amps @ 12VDC
- .25 Amps @ 24VDC



Perimeter doors are often overlooked when assessing a school's protection plan. Egress doors in remote areas of the building pose a significant threat to an unwanted intruder entering the school. Yale's SquareBolt® double cylinder exit devices are a suitable solution for these areas

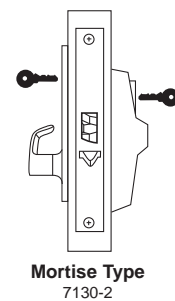
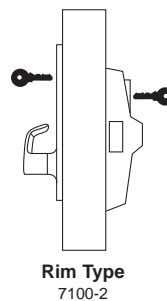
due to its patented design which incorporates a latchbolt style retractor directly into the exit. This prevents the use of a credit card, crowbar, door rattling or shaking to gain access.



## Yale SquareBolt®

### 7100 Series Double Cylinder

- Key outside retracts latchbolt
- Key inside locks or unlocks lever
- Available with rim type SquareBolt (7150-2), Rim (7100-2) & Mortise (7130-2)



## 2 LEVEL TWO: CLASSROOM DOORS

Being able to lock the door from the inside the classroom avoids exposure. Conventional classroom function locks require you to lock the door from the corridor side which could expose the teacher and student to potential risk. SARGENT, Corbin Russwin and Yale have provided a solution to this

dilemma with their classroom intruder functions available in cylindrical and mortise applications. This includes Sargent's 10-line and T-Zone series rose which helps to alleviate a panic situation where the person may actually unlock the door in the heat of the moment.



Corbin Russwin CL3300 Series  
Cylindrical Lockset

### Corbin Russwin® 52 Function

- Latchbolt is operated by rotating the inside lever, or rotating the outside lever only when not locked from the inside or outside by key.
- Outside lever is locked and unlocked by turning the key in the inside or outside lever.
- Inside lever cannot be locked.

Also available in the ML2000 Series Mortise



SARGENT 10-Line  
Cylindrical Lockset

### SARGENT® 38 Function

- Deadlocking latch
- Latch by either lever unless outside lever is locked by key
- Key in either lever locks or unlocks outside lever
- Inside lever always operable
- Locked indication on inside rose standard with this function

Also available in the 8200 Series Mortise



Yale 5400LN Series  
Cylindrical Lockset

### Yale® 18 Function

- Either lever operates latchbolt, except when outside lever is locked by key.
- Outside lever is locked and unlocked by key in either inside or outside lever.
- Inside lever is always active and cannot be locked (anti-panic).

Also available in the 8800 Series Mortise

## 3 LEVEL THREE: SPECIAL PURPOSE DOORS

Special doors used on such applications as computer rooms, staff lavatories and chemical labs also pose a threat to a school's security. Knowing who has access to these areas is important but it's also imperative to be able to limit that access and keep

track of persons entering through those doors. With SARGENT's enhanced v.G1.5 Profile Series of stand-alone access control products you'll be able to provide that high level of security and convenience while monitoring personal.



### SARGENT® Profile Series v.G1

- Increased users and audits: 2,000 users and 2,000 audits
- Password protected security management system
- Multiple user modes including passage, unlock/relock, emergency, panic, one-time user, etc.
- Offers any activation combination for keypad, prox, and RF technology
- Long battery life (80,000 lock cycles)
- Detailed audit trail

#### Available Credentials



SARGENT HID  
ProxCard II™



DuoProx™ Card



MicroProx™ Tag



PF SARGENT  
ProxKey II™

# The Door Closer that Adjusts to its Environment

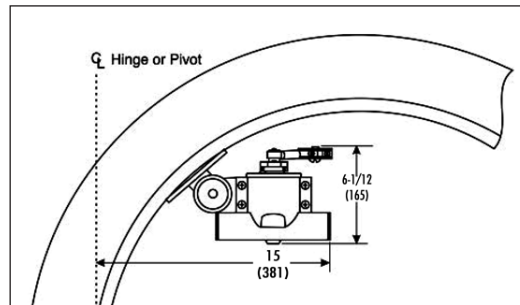


## Norton® 78-B/F Series Door Closers

These Norton Traditional Surface Closers have an unusual ability to accommodate power adjustment to their environment. The adjustable clock coil spring provides a small incremental increase or decrease through a wide range of closer power. They can be adjusted to meet the exact power requirements of the installation. Sweep speed, latch speed and backcheck cushioning can also be adjusted to door, frame and variable conditions.

### Features

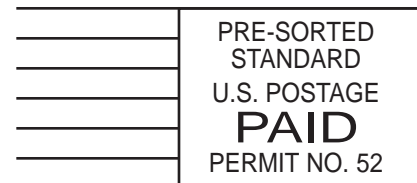
- Spring Power Adjustment
- Aluminum Alloy Shell
- Sweep/Latch Speed Regulating Valve
- Size Designation
  - B/D = Sizes 2 thru 4
  - E/F = Sizes 5 & 6
- Backcheck Cushioning Regulating Valve



The B/F closer is able to adjust to just about any application including this arched or circular top door. Due to the shape of the closer and the frame-mounted bracket it can be adjusted to accommodate virtually any radius of frame.



30 Pond Park Road, Hingham, MA 02043



**PLEASE ROUTE TO  
MAINTENANCE/LOCKSMITH**

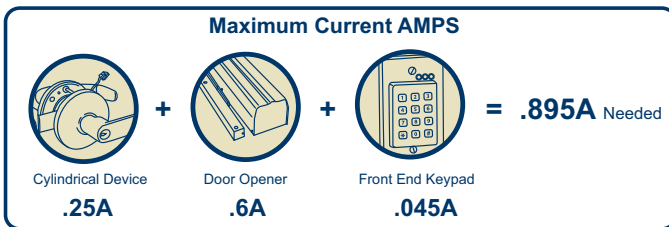
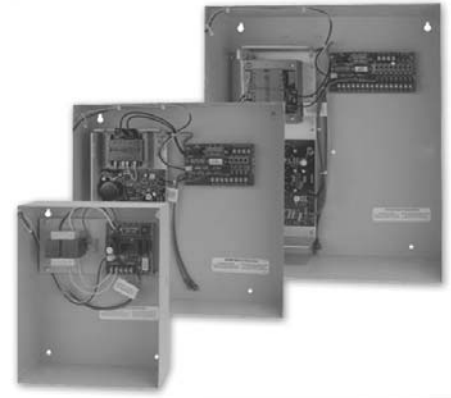


## Choosing the Correct Power Supply Model and Wire Gauge

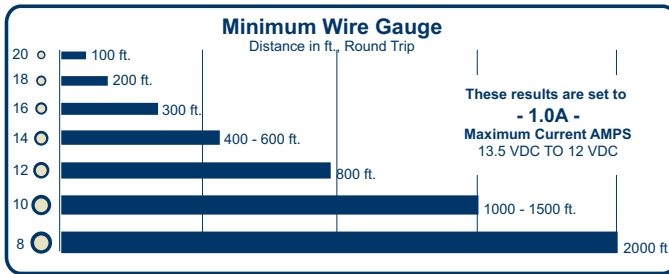
By Skip Reid (Sales Manager)

**Situation:** An installation job calls for a power supply to be installed to power up a series of devices in a given application where an interface with a fire alarm system or battery is needed.

**Solution:** Securitron's series of BPS power supplies are perfect for this type of application where an adequate amount of current is needed. However, some questions will need to be resolved before deciding which BPS model to use. Two of the most important questions will be; how much current draw, in total, will be used and what gauge wire is needed? By using the following three step method, finding the correct power supply model and wire gauge is a snap.

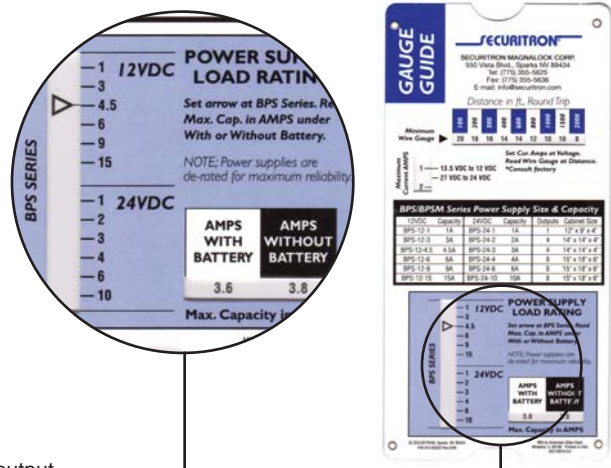


First Step is finding the total maximum current AMPS. To do this, consult the manufacturer's documentation to find the current draw for each device, add them together and determine how many outputs are required. The sample provided on the right has a total current draw of (.895A). This can be rounded up to one full AMP (1.0A).



Second step is figuring out the wire gauge to be used for your application. Take the total current draw and match it up to a wire gauge guide. A good gauge guide can be found at any electronics supply store or Dugmore & Duncan can provide you with one. This particular application shows that if you have a (1.0A) current draw and you need 400 ft. of wire, you should be using an 14 gauge wire.

The last step is finding the appropriate power supply model. This can be achieved by using Securitron's Gauge Guide. Set your maximum current AMPS to the appropriate voltage and the guide will point to the correct power supply model. In this case the guide was set to (1AMP) at 12 VDC which shows that the correct model is the BPS-12-4.5. This handy tool will also provide information on what size wire gauge to use, calculate AMP hour rating, and hours of battery back-up required.



If you would like to receive a complimentary slide-chart please request one on the reader response card located within this newsletter.

\* BPS 12/24 - 1: Have one fused output, BPS 12/24 - 3: Have four fused output

## Additional Security on a Microbial Level



**Situation:** To protect against the spread of bacteria and other dangerous microbes, it's important to consider the role of high touch door hardware in a publicly-used building. Visitors and occupants continuously handle door levers and exit devices. Bacteria and other microbes can live on these hardware surfaces for hours, transferring from one person to another.

**Solution:** Now door hardware, something everyone touches, can be protected against the growth of many microbes. ASSA ABLOY Group companies offer MicroShield™, an imperceptible antimicrobial hardware coating. MicroShield uses proven silver-based technology from Agion®, a leading provider of antimicrobial solutions, to stem the spread of bacteria and other microbes.

MicroShield™ is effective against a broad range of:

- Bacteria
- Mold
- Fungi
- Algae
- Mildew

### How It Works

MicroShield™ is a silver-based hardware finish that continuously destroys organisms in three ways – by attacking the cell wall, interrupting metabolism and preventing reproduction.

**Effective** – Silver, the active ingredient, is an aggressive, broad-spectrum antimicrobial, even against drug resistant strains of bacteria.

**Natural** – Silver is a naturally occurring, safe and non-toxic antimicrobial agent.

**Safe** – The finish is EPA and NSF approved and FDA listed for use in medical and food preparation equipment.

**Long-Lasting** – Controlled release mechanism ensures continuous efficacy.

MicroShield™ is available on commercial hardware from:



MicroShield™ is ideal for anywhere there is a need for a clean environment and a concern about the spread of bacteria and other microbes, including:

- Hospitals
- Schools
- Restaurants
- Public Restrooms
- Assisted Living Facilities
- Laboratories



**MicroShield™**



### Efficacy Data - Bacterial Reduction

