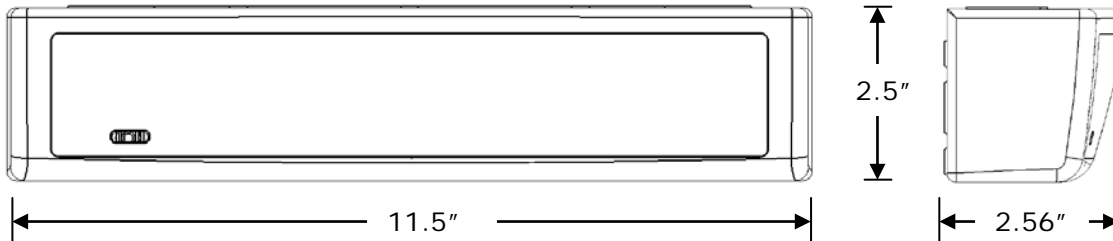


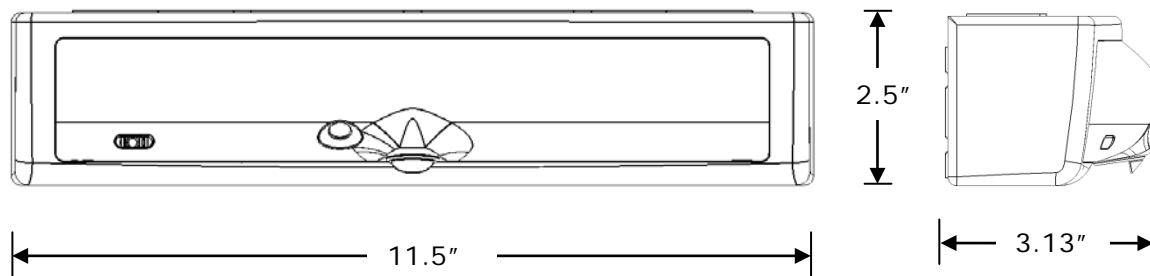
## ARCHITECTURAL SPECIFICATION

### Electromagnetic Locks: M680 Series

#### M670, M680BD



#### M680BDX, M680BDC, M680BDXC



#### Features

- 1,100 static holding force
- Lifetime replacement warranty
- Automatic dual voltage, 12 VDC or 24 VDC, no field adjustment required
- Instant release circuit, no residual magnetism
- Bracket mounted for ease of installation
- Architectural brushed stainless steel finish
- Fail Safe
- Status LED
- Tamper protection circuit
- UL 1034 burglary-resistant listed
- UL10C Fire Rated, 45 minutes
- California Fire Marshal listed
- CAN4-S104 (ULC-S104) fire door conformant
- Patent #8094017 & Pending

#### Options

- BondSTAT® – Lock status “Form C” contacts to monitor status of the lock
- Door Position Switch (DPS) – Integrated door sensing reed switch with built in resettable polyswitch
- Adjustable auto-relock timer
- Integrated CCTV camera
- Integrated passive infrared motion detector for request-to-exit (REX)

#### Environmental (Recommended)

**Operating Temperature**  
32°F to 110°F [0°C to 43°C]

**Humidity**  
10% to 90% RH

## Electrical

### **Input Voltage**

12/24 VDC

### **Current Draw**

#### **M670 Model**

12VDC/575mA ( $\pm 10\%$ )

24VDC/275mA ( $\pm 10\%$ )

#### **M680 Models:**

#### **Maglock Power**

12VDC/550mA ( $\pm 10\%$ )

24VDC/300mA ( $\pm 10\%$ )

#### **Camera Power (on some models)**

12VDC/200mA ( $\pm 10\%$ )

24VDC/80mA ( $\pm 10\%$ )

#### **PIR Power (on some models)**

12VDC/25mA ( $\pm 10\%$ )

24VDC/10mA ( $\pm 10\%$ )

### **Tamper Switch Rating**

Voltage – 30VDC (Maximum)

Current – 1 Amp

### **DPS Rating (M680 only)**

Voltage – 30VDC

(Maximum) Current – 125mA

### **BondSTAT Switch Rating**

Voltage – 30VDC (Maximum)

Current – 1 Amp

### **Request to Exit Switch Rating**

Voltage – 30VDC (Maximum)

Current – 1 Amp

## Camera Specifications

### **Color Version:**

Horizontal Resolution: 520 TV Line

Video output: 1Vp-p, 75 $\Omega$

Min illumination: 1.5 LUX

### **Black and White Version:**

Horizontal Resolution: 420 TV Line

Video output: 1Vp-p, 75 $\Omega$

Min illumination: 0.1 LUX

## Models

- **M670** Base model
- **M680BD** BondSTAT and DPS
- **M680BDX** BondSTAT, DPS and PIR Passive infrared motion detector
- **M680BDC** BondSTAT, DPS and B/W Camera
- **M680BDC2** BondSTAT, DPS and Color Camera
- **M680BDCX** BondSTAT, DPS, B/W Camera and PIR
- **M680BDC2X** BondSTAT, DPS, Color Camera and PIR

- A. All electromagnetic locks shall be manufactured by Securitron Magnalock Corp., Phoenix, AZ an ISO 9001 certified manufacturer.
- B. Locks shall be capable of providing a pull-apart or tensile holding force of at least 1100 pounds. A laboratory test certifying the minimum holding force shall be submitted by the manufacturer upon request.
- C. Electromagnetic locks shall have a lifetime replacement warranty.
- D. Locks shall not consume more than 9.3W watts of power (775mA @ 12VDC) and (390mA @ 24VDC).
- E. Locks shall not exceed 11.5 inches x 2.5 inches x 3.13 inches in size.
- F. Lock is mounted with a bracket which is secured to the frame with two (2) .25 inch x 1 inch machine screws into blind finishing nuts and four (4) #12 x 1.5" screws.
- G. Mount strike plates to provide a "floating" movement to assure automatic self alignment with the lock.
- H. Finish is architectural brushed stainless steel, other finishes available
- I. Hardware accessories include mounting bracket, template, spacers, strike and cover.