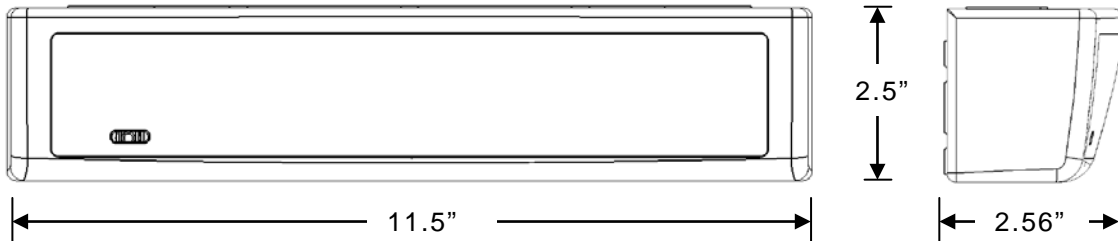
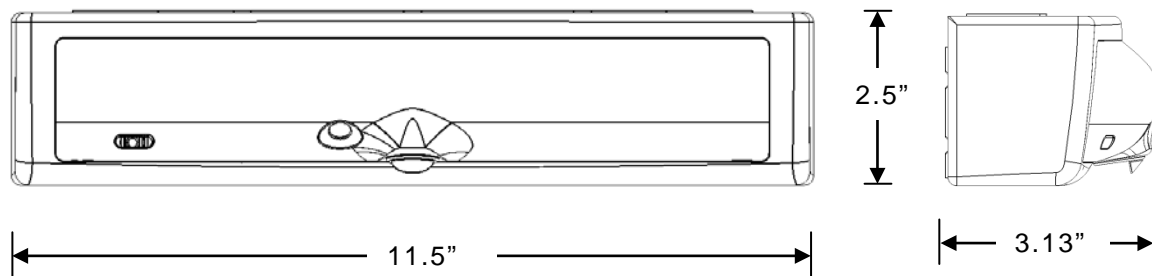


ARCHITECTURAL SPECIFICATION Electromagnetic Locks: M680 Series

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 (± 10%)
24VDC/275mA (± 10%)

M680 Models:

Maglock Power
12VDC/550mA (± 10%)
24VDC/300mA (± 10%)

Camera Power (on some models)
12VDC/200mA (± 10%)
24VDC/80mA (± 10%)

PIR Power (on some models)
12VDC/25mA (± 10%)
24VDC/10mA (± 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, 75Ω
Min illumination: 1.5 LUX

Black and White Version:
Horizontal Resolution: 420 TV Line
Video output: 1Vp-p, 75Ω
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.