SDC’s patented EMLock® design represents the pinnacle of magnetic lock evolution. The modular EMLock® assembly makes them easy to stock, install, upgrade and maintain.

SDC 1500 series EMLocks® include a lifetime warranty and are available in 650lbs, 1200lbs, and 1650lbs holding force. Compatible with any access control system, all EmLocks® are adaptable to virtually any application utilizing Top Jamb or Glass Door mounting kits. The epoxy-less design provides a superior appearance with a plated or anodized finish on all sides. The interlocking EZ mount assembly leaves hands free for wiring and securing of mounting screws. EMLocks® are UL Listed and ANSI Grade 1 compliant.

**FEATURES**
- Modular Design
- Modular Upgrade Kits
- Field Upgradeable without removing from the frame
- Uniform Design & Installation
- Identical Housing, Template & Accessories
- Quick Mount Assembly

**STANDARD MOUNTING FASTENERS**
Self Drilling & Tapping Sheet Metal Screws and 10/32 Machine Screws supplied for different application needs. Blind nuts and Tool are optional.

**UPGRADE MODULES INCLUDE:**
- Relock Delay Timer
- Magnetic Bond Sensor
- Door Status Sensors
- Anti-Tamper Switch
- Holding Force Upgrade
- Energy Saver Upgrade

For complete details contact SDC to request the Modular Upgrade Kit datasheet or download from the SDC website: SDCsecurity.com/modularkits
### 1510 SERIES GRADE 1
1650 LB / 748 KG HOLDING FORCE

### 1570 SERIES GRADE 1
1200 LB / 544 KG HOLDING FORCE
3 WATTS ENERGY SAVER

### 1580 SERIES GRADE 1
650 LB / 295 KG HOLDING FORCE

---

#### MODELS
- **1511** Single EMLock®
- **1512** Double EMLock®
- **1571** Single EMLock®
- **1572** Double EMLock®
- **1581** Single EMLock®
- **1582** Double EMLock®

---

#### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Single</th>
<th>Double</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage Sensing</td>
<td>12/24VDC</td>
<td>12/24VDC</td>
</tr>
<tr>
<td>Input</td>
<td>350mA @ 24VDC;</td>
<td>700mA @ 24VDC;</td>
</tr>
<tr>
<td></td>
<td>670mA @ 12VDC;</td>
<td>1.34A @12VDC;</td>
</tr>
<tr>
<td></td>
<td>11” L x 2-7/8” H x 1-5/8” D</td>
<td>22” L x 2-3/4” H x 1-9/16” D</td>
</tr>
</tbody>
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<td>Voltage Sensing</td>
<td>12/24VDC</td>
<td>12/24VDC</td>
</tr>
<tr>
<td>Input</td>
<td>125mA @ 24VDC;</td>
<td>250mA @ 24VDC;</td>
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<tr>
<td></td>
<td>250mA @ 12VDC;</td>
<td>500mA @ 12VDC;</td>
</tr>
<tr>
<td></td>
<td>11”L x 2-7/8”H x 1-5/8”D</td>
<td>22” L x 2-3/4” H x 1-9/16” D</td>
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<tr>
<td>Voltage Sensing</td>
<td>12/24VDC</td>
<td>12/24VDC</td>
</tr>
<tr>
<td>Input</td>
<td>220mA @ 24VDC;</td>
<td>440mA @ 24VDC;</td>
</tr>
<tr>
<td></td>
<td>440mA @ 12VDC;</td>
<td>880mA @ 12VDC;</td>
</tr>
<tr>
<td></td>
<td>8-3/4&quot;L x 2-1/8&quot;H x 1-1/4&quot;D</td>
<td>17-1/2&quot; L x 2-1/8&quot; H x 1-1/4”D</td>
</tr>
</tbody>
</table>

---

#### UL294: Standard for Access Control System Units

---

#### LISTINGS & PERFORMANCE SPECIFICATIONS

- **UL Listed U.S. & Canada:**
  - GWXT Auxiliary Locks
  - CVXJ Burglary Resistant Electrically Operate-Door Lock
- **UBC:** Classified in accordance with Uniform Building Code standard 7-2 "Fire Test for Door Assemblies"
- **ANSI/BHMA A156.23:**
  - Grade 1, one million cycles
  - BHMA Certified
- **CSFM:** California State Fire Marshal Listed 3774-0324:100
- **MEA:** City of New York 61-95-E
**HOW TO ORDER**

1 | SPECIFY MODEL
--- | ---
1510 Series
1511 Single EMLock®
1512 Double EMLock® doors
1570 Series
1571 Single EMLock®
1572 Double EMLock® doors
1580 Series
1581 Single EMLock®
1582 Double EMLock®

2 | SPECIFY FINISH
--- | ---
Anodized Finishes
V Aluminum (standard)
Y Black anodized
Painted Finishes
C Brass powder coat
X Dark bronze powder coat
Plated Finishes (special order)
P Bright chrome
Q Dull chrome

3 | SPECIFY FACTORY INSTALLED OPTIONS
--- | ---
D Door Position Sensor: Indicates door open and door closed. (Not available with 1513 and 1573) SPDT Dry, 250 mA @ 30VDC.
B Magnetic Bond Sensor: Indicates locked and unlocked, low holding power, tampering and obstruction between armature and magnetic core. (Not available with 1513 and 1573)
- 1510 & 1570 Series: SPDT Dry, 250 mA @ 30VDC.
- 1580 Series: SPST N.O., Dry, 250 mA @ 30VDC.
A Anti-tamper Sensor: Indicates access cover removal. SPDT Dry, 1 Amp @ 30VDC.
L Bi-color Status LED Indicator: Field selectable Red, Green, or Amber (requires additional wiring)
- Indicates lock energized when wired to lock input.
- Indicates de-energized/unlocked or “Enter/Go” when wired to optional timer module.
- Indicates energized and de-energized or “Enter/Go” when wired to access control auxiliary output.
- Indicates door is closed and locked and door is unlocked when wired to BA.
T Adjustable Timer: Built-in field adj. 0-30 sec. re-lock delay.
Specify one for single or double EMLocks® (not available with 1580 series)

4 | SPECIFY BRACKETS AND FILLER PLATES (OPTIONAL)
--- | ---
See pages 12-15 for Models and Specifications

**ACCESSORIES**

FIELD INSTALLED OPTION KITS
Ordered separately for field upgrade. For complete details contact SDC to request more information on Modular Upgrade Kits.

**EZ-T-10 Adjustable Timer Input Module:** Specify (1) for single or double EMLocks® (not available with 1580 series)

**EZ-D-101510, 1570 Door Position Sensor Module:** Specify (2) for double EMLocks® (not available with 1513 and 1573)

**EZ-D-801580 Door Position Sensor Module:** Specify (2) for double EMLocks®

**EZ-B-101510, 1570 Magnetic Bond Sensor Module:** Specify (2) for double EMLocks® (Not available with 1513, 1573)

**EZ-A Anti-Tamper Switch Module:** Indicates cover plate removal.
ACCESSORIES

TOP JAMB MOUNTING BRACKETS

ARCHITECTURAL HOUSINGS
Specify housings with your EMLocks®. Example: 1511V-30; 1512V-60

FEATURES
Vertical Housings - Side jamb mount, providing 2400 or 3300 lbs of holding force.

MODELS
Vertical Housing

1572VV82  Vertical Housing for 1572 EMLock, 82” length, for 84” opening - INCLUDES 1572 lock
1512VV82  Vertical Housing for 1512 EMLock, 82” length, for 84” opening - INCLUDES 1512 lock
CV        Custom length. Specify exact length

FINISH
Anodized Finishes
V  Aluminum (standard)
Y  Black anodized

Painted Finishes
C  Brass powder coat
X  Dark bronze powder coat

Plated Finishes (special order)
P  Bright chrome
Q  Dull chrome

UNIVERSAL GLASS DOOR MOUNTING KIT

MODELS
Kit for 1511, 1571, 1581

Modes
HDB1  Single Kit for 1512, 1572, 1582
HDB2  Double, 2 single kits

See below for available finishes

DOOR COORDINATOR LOCK MOUNTING KIT

MODELS
DC-1  Door coordinator mounting bracket for single models 1511 and 1571.
DC-2  Door coordinator mounting bracket for double models 1512 and 1572.
PRE-DRILLED & TAPPED HEADER BRACKET

APPLICATION

Used in lieu of angle brackets, the Universal Header Bracket provides a faster mounting solution, saving time and labor costs for several EmLock models. Reduce potential for mis-sized and misaligned mounting holes, broken taps, removal of broken taps. Combined with interlocking. E-Z mount assembly, save up to a half days labor with the installation of 12 locks.

FEATURES

- Solid 1” bar provides higher security and superior aesthetics.
- Machined wire chase provides concealed and secure wiring
- Multiple pre-drilled and tapped mounting holes to accommodate the use of several different locks on either 4” or 4.5” aluminum frames

FINISH

V 628 Aluminum (standard)  P 625 Bright Chrome
C 605 Bright Brass  Q 626 Dull Chrome
D 606 Dull Brass  X 313 Dark Bronze
P 625 Bright Chrome
C 605 Bright Brass
D 606 Dull Brass
X 313 Dark Bronze
Y 335 Black

MODELS

UB11  1” x 1” x 11” Universal Bracket for 1511, 1513, 1571, 1573, 1511S, 1511T, 1511DE, 1571DE
UB12  1” x 1” x 22”, Universal Bracket for 1512 and 1572.

SPACER BRACKET
FOR CONCRETE FILLED FRAMES & ALUMINUM FRAME WITH BLADE STOP

APPLICATION

Aluminum frames with blade stop - lowers EmLock below blade stop. Concrete filled hollow metal frames provides multiple points for concealed wire entry

FEATURES

- Pre-drilled and tapped specifically for 1511, 1571, 1581 EmLock
- Machined wire chase provides multiple points for concealed wire entry from concrete filled frames.
- 628 Aluminum Anodized

MODELS

UF11V  1/2” x 1-1/2” x 11”. Spacer Bracket for 1511, 1513, 1571, 1573, 1511S, 1511DE, 1571DE.
UF12V  1/2” x 1-1/2” x 22”. Spacer Bracket for 1512 and 1572.
UF81V  1/2” x 1-1/4” x 8-3/4”. Spacer Bracket for 1581.
UF82V  1/2” x 1-1/4” x 17-1/2”. Spacer Bracket for 1582.
FILLER PLATES

APPLICATION

For extension of the stop to provide a proper mounting surface on the underside of the header See Figure 1B.

MODELS

For 8-3/4” Single Emlock & Exit Check Models 1581, 1581DE
PART # A x B
FP01 1/8” x 1-1/4”
FP02 1/4” x 1-1/4”
FP03 3/8” x 1-1/4”
FP04 1/2” x 1-1/4”
FP05 5/8” x 1-1/4”

For 17-1/2” (445mm) Double Emlock Model 1582
PART # A x B
FP30 1/8” x 1-1/4”
FP31 1/4” x 1-1/4”
FP32 3/8” x 1-1/4”
FP33 1/2” x 1-1/4”
FP34 5/8” x 1-1/4”

For 10”-11” Single Emlock & Exit Check Models 1511, 1513, 1571, 1573 1511S, 1511T, 1511DEV, 1571DEV
PART # A x B
FP11 1/8” x 1-1/4”
FP12 1/4” x 1-1/4”
FP13 3/8” x 1-1/4”
FP14 1/2” x 1-1/4”
FP15 5/8” x 1-1/4”

For 22” (559mm) Double Emlock Models 1512 / 1572
PART # A x B
FP21 1/8” x 1-1/4”
FP22 1/4” x 1-1/4”
FP23 3/8” x 1-1/4”
FP24 1/2” x 1-1/4”
FP25 5/8” x 1-1/4”

ARMATURE MOUNTING PLATE

APPLICATION

The AR Mounting plate provides a solution for mounting the EMLock® armature to the top rail of herculite, aluminum and glass, wood and hollow metal doors that do not permit the use of thru bolts.

MODELS

AR11Y Armature mounting plate for 1511, 1571 335 Black Anodized (Specify two for models 1512, 1572)

AR11YD Armature mounting plate with DPS for 1511, 1571 335 Black Anodized (Specify two for models 1512, 1572)
### ACCESSORIES

### ANGLE BRACKETS

**APPLICATION**

Used as extension on shallow door frames to provide adequate mounting surface. See Figure 1C.

### MODELS

<table>
<thead>
<tr>
<th>For 8-3/4” Single Emlock &amp; Exit Check Models 1581, 1581DEV</th>
<th>For 17-1/2” (445mm) Double Emlock Model 1582</th>
</tr>
</thead>
<tbody>
<tr>
<td>PART #</td>
<td>A x B</td>
</tr>
<tr>
<td>AB01</td>
<td>1” x 1”</td>
</tr>
<tr>
<td>AB02</td>
<td>1” x 1-1/2”</td>
</tr>
<tr>
<td>AB03</td>
<td>1-1/2” x 1-1/2”</td>
</tr>
<tr>
<td>AB04</td>
<td>2” x 1-1/2”</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>For 10”-11” Single Emlock &amp; Exit Check Models 1511, 1513, 1571, 1573 1511S, 1511T, 1511DEV, 1571DEV</th>
<th>For 22” (559mm) Double Emlock Models 1512 / 1572</th>
</tr>
</thead>
<tbody>
<tr>
<td>PART #</td>
<td>A x B</td>
</tr>
<tr>
<td>AB11</td>
<td>1” x 1”</td>
</tr>
<tr>
<td>AB12</td>
<td>1” x 1-1/2”</td>
</tr>
<tr>
<td>AB13</td>
<td>1-1/2” x 1-1/2”</td>
</tr>
<tr>
<td>AB14</td>
<td>2” x 1-1/2”</td>
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**REUSABLE HEAVY DUTY DRILL FIXTURE**

**MODELS**

- 1511-DF: Heavy duty drill fixture for 1571 and 1511
- 1581-DF: Heavy duty drill fixture for 1580

**BLIND NUT PLACEMENT TOOL**

**MODELS**

- BN-PT: Blind Nut Placement Tool
- BN-50: Blind Nuts, 10/32, 50 Pack

**INTERLOCKING QUICK MOUNT ASSEMBLY**

EZ mount interlocking feature

Adjustable mounting bracket
Self tapping & drilling mounting screws
**TYPICAL DOOR APPLICATIONS**

1511  1571  1581
- AB Angle bracket
- Aluminum frame
- Aluminum & glass door
- Push side mounting

1511  1571  1581
- Hollow metal frame
- Wood/hollow metal door
- Push side mounting

1513  1573
- Split armature
- Hollow metal frame
- Wood or hollow metal doors
- Push side mounting

1511-(36)  1571-(36)
- Full width architectural housing
- Specify length (30", 36", 40", 48")
- Aluminum frame
- Aluminum & glass door
- Push side mounting

1512-HDB2  1572-HDB2  1582-HDB2
- HDB Glass door mounting kit
- AB series angle bracket
- Metal or aluminum frame
- Glass door without top rail
- Push side mounting

**COMMUNICATING BATHROOM EMLOCKS®**
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

(B) CB401A System activation push switch.

(C) CB401B Emergency release push switch to be mounted above each door. CB701B key switch optional.

(D) 631RF-UR1 Power Supply with Fire Panel Tie-In and Communicating Bath Controller