

1500 Series EMLock®



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

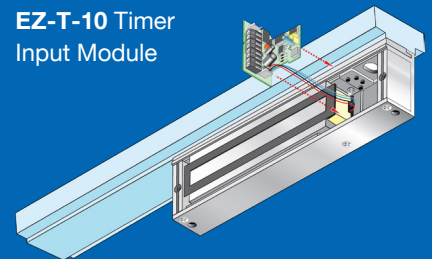
Self Drilling & Tapping Sheet Metal Screws and 10/32 Machine Screws supplied for different application needs. Blind nuts and Tool are optional.

UPGRADE MODULES INCLUDE:

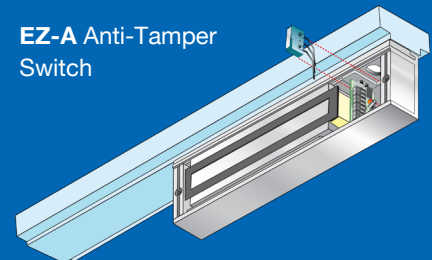
- Relock Delay Timer
- Magnetic Bond Sensor
- Door Status Sensors
- Anti-Tamper Switch
- Holding Force Upgrade
- Energy Saver Upgrade

MODULAR UPGRADE KITS

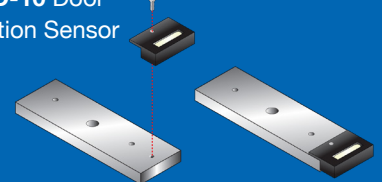
EZ-T-10 Timer Input Module



EZ-A Anti-Tamper Switch



EZ-D-10 Door Position Sensor



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



1511

1512

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



1571

1572

1580 SERIES GRADE 1
650 LB / 295 KG HOLDING FORCE



1581

1582



MODELS



1511 Single EMLock®



1512 Double EMLock®



1571 Single EMLock®



1572 Double EMLock®



1581 Single EMLock®



1582 Double EMLock®



SPECIFICATIONS

Voltage	12/24VDC Voltage Sensing Input
Single	350mA @ 24VDC; 670mA @ 12VDC 11" L x 2-7/8" H x 1-5/8" D
Double	700mA @ 24VDC; 1.34A @ 12VDC 22" L x 2-3/4" H x 1-9/16" D



SPECIFICATIONS

Voltage	12/24VDC Voltage Sensing Input
Single	125mA @ 24VDC; 250mA @ 12VDC 11" L x 2-7/8" H x 1-5/8" D
Double	250mA @ 24VDC; 500mA @ 12VDC 22" L x 2-3/4" H x 1-9/16" D



SPECIFICATIONS

Voltage	12/24VDC Voltage Sensing Input
Single	220mA @ 24VDC; 440mA @ 12VDC 8-3/4" L x 2-1/8" H x 1-1/4" D
Double	440mA @ 24VDC; 880mA @ 12VDC 17-1/2" L x 2-1/8" H x 1-1/4" D

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
UL10C: Position Positive Pressure Compliant

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 field installation and 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)

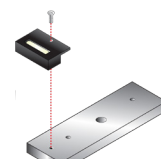
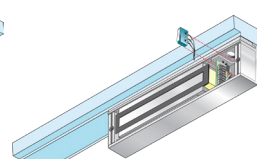
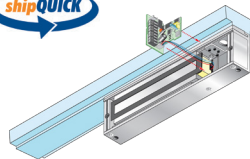
See pages 12-15 for Models and Specifications

ACCESSORIES

FIELD INSTALLED OPTION KITS

Ordered separately for field upgrade.

For complete details contact SDC to request more information on Modular Upgrade Kits.



All available through



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.

TOP JAMB MOUNTING BRACKETS

MODELS

Kits for 1511, 1512, 1571, 1572

 **TJ1** Single

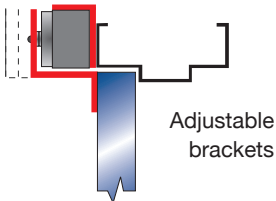
 **TJ2** Double

Kits for 1581, 1582

 **TJ81** Single

 **TJ82** Double

See below for available finishes



Adjustable
brackets

UNIVERSAL GLASS DOOR MOUNTING KIT

MODELS

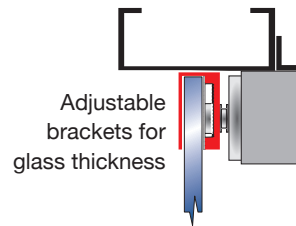
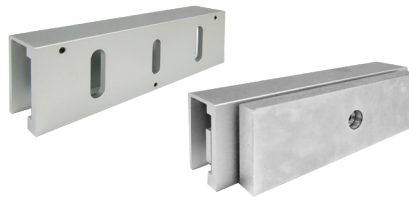
Kit for 1511, 1571, 1581

 **HDB1** Single

Kit for 1512, 1572, 1582

HDB2 Double, 2 single kits

See below for available finishes



Adjustable
brackets for
glass thickness

DOOR COORDINATOR LOCK MOUNTING KIT

MODELS

DC-1 Door coordinator mounting bracket for single models 1511 and 1571.

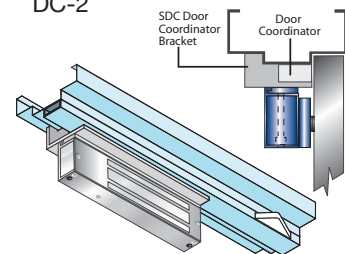
DC-2 Door coordinator mounting bracket for double models 1512 and 1572.



DC-1



DC-2



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



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

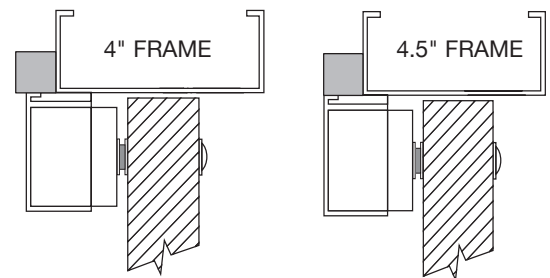
FINISH

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

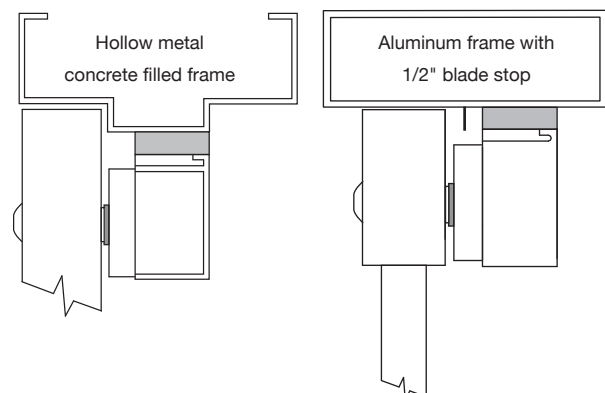
Aluminum frames with blade stop - lowers EmLock below blade stop. Concrete filled hollow metal frames provides multiple points for concealed wire entry

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.



UF11V



UF81V

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**

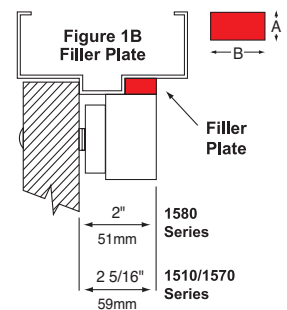
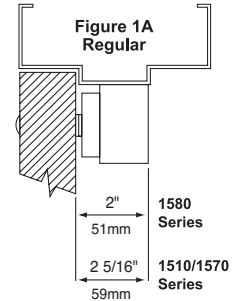
PART #	A	x	B
FP30	1/8"	x	1-1/4"
FP31	1/4"	x	1-1/4"
FP32	3/8"	x	1-1/4"
 FP33	1/2"	x	1-1/4"
 FP34	5/8"	x	1-1/4"

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

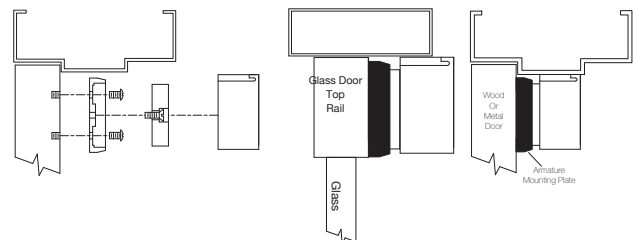
The AR Mounting plate provides a solution for mounting the EMLock® armature to the top rail of herculite, aluminum and glass, wood and hollow metal doors that do not permit the use of thru bolts.



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**)



ANGLE BRACKETS

APPLICATION

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



MODELS

For 8-3/4" Single Emlock & Exit Check
Models **1581**, **1581DEV**

PART # A x B

AB01 1" x 1"

AB02 1" x 1-1/2"

 **AB03** 1-1/2" x 1-1/2"

 **AB04** 2" x 1-1/2"


For 17-1/2" (445mm) Double Emlock
Model **1582**

PART # A x B

 **AB30** 1" x 1"

AB31 1" x 1-1/2"

 **AB32** 1-1/2" x 1-1/2"

 **AB33** 2" x 1-1/2"

For 10"-11" Single Emlock & Exit Check
Models **1511**, **1513**, **1571**, **1573**
1511S, **1511T**, **1511DEV**, **1571DEV**

PART # A x B

AB11 1" x 1"

AB12 1" x 1-1/2"

 **AB13** 1-1/2" x 1-1/2"

 **AB14** 2" x 1-1/2"

For 22" (559mm) Double Emlock
Models **1512** /
1572

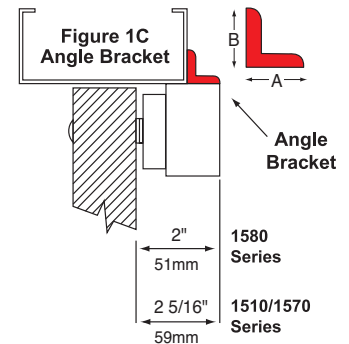
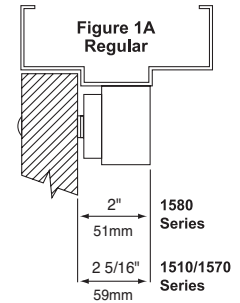
PART # A x B

AB21 1" x 1"

AB22 1" x 1-1/2"

 **AB23** 1-1/2" x 1-1/2"

 **AB24** 2" x 1-1/2"

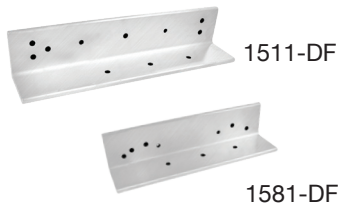


REUSABLE HEAVY DUTY DRILL FIXTURE

MODELS

1511-DF Heavy duty drill
fixture for **1571**
and **1511**

1581-DF Heavy duty drill
fixture for **1580**



BLIND NUT PLACEMENT TOOL

MODEL

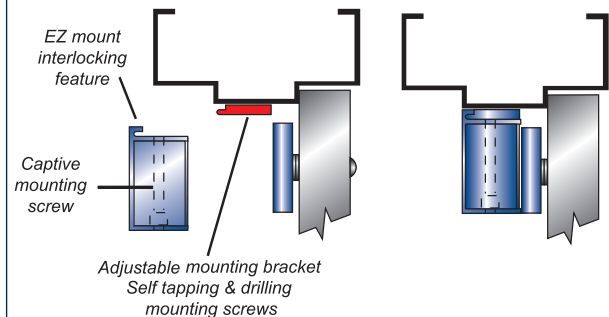
BN-PT

BN-50

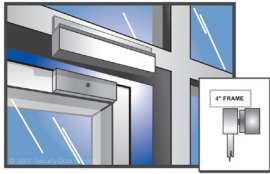
DISCONTINUED
Nut
placement Tool
Nuts,
, 50 Pack



INTERLOCKING QUICK MOUNT ASSEMBLY

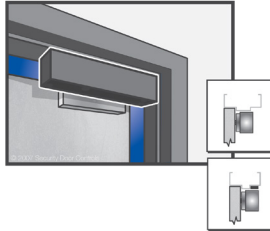


TYPICAL DOOR APPLICATIONS



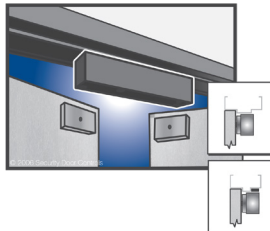
1511 1571 1581

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



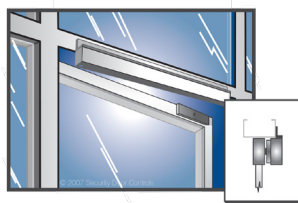
1511 1571 1581

- Hollow metal frame
- Wood/hollow metal door
- Push side mounting



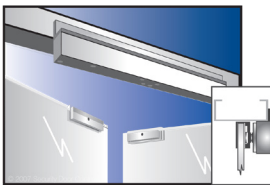
1513 1573

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



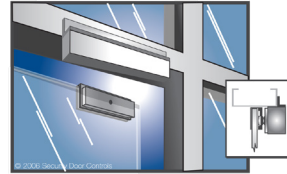
1511-(36) 1571-(36)

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



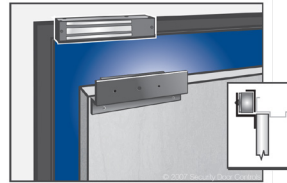
1512-HDB2 1572-HDB2 1582-HDB2

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



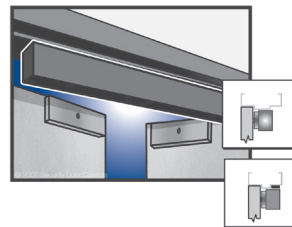
1511-HDB1 1571-HDB1 1581-HDB1

- Glass door mounting kit
- AB series angle brackets
- Metal or aluminum frame
- Glass door w/o top rail
- Push side mounting



1511-TJ1 1571-TJ1 1581-TJ81

- Top jamb mounting kit
- Hollow metal frame
- Wood or hollow metal door
- Pull side mounting



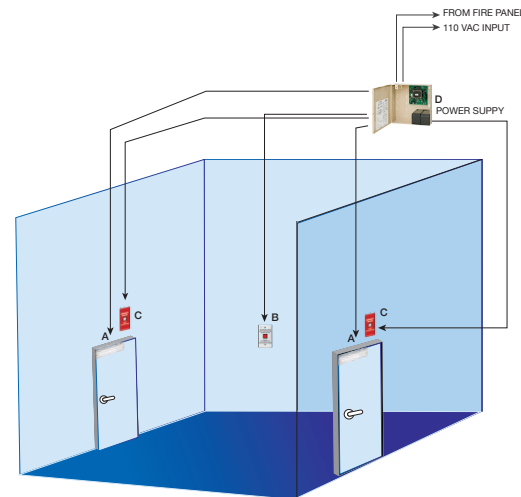
1512 1572 1582

- Hollow metal frame
- Wood or hollow metal doors
- Push side mounting



1512 1572 1582

- AB Angle bracket
- Aluminum frame
- Aluminum & glass doors
- 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

