

# 2500 Series

## 650 Lb. Holding Force Mini Maglocks



- **Compact "Mini Mag" Lock Design**
- **Ideal for Low Security Applications**

- **Complete Array of Options**
- **Lifetime Warranty**

### Description

Each 2500 Series Electromagnetic Lock is comprised of 3 basic components: a lock housing, an electromagnetic coil, and an armature. The coil and housing assembly mounts rigidly to the door frame while the armature mounts to the door in a manner that allows it to pivot slightly to compensate for door irregularities. When the door is closed and the lock is energized the armature is magnetically bonded to the lock face, thus securing the door without utilizing any moving parts.

Single and double door models are available as well as the 2585 Series, which has a shorter housing. At only 8½" long, the 2585 "Bantam" lock is perfect for installations where space is limited. All locks are designed for ease of use, and built in the USA to last a lifetime.

### Standard Features

- **Holding Force** - 650 lbs. holding force provides for effective traffic control. Examples include interior office doors, clean room interlocks, tool cribs, and x-ray areas.
- **4 Operating Voltages** - All models (except the 2585) offer 12 or 24 VDC or VAC for installation flexibility and to reduce stock.
- **Low Power Consumption** conserves energy, reduces operating cost, and extends battery backup time.
- **A Totally Plated Coil** and armature provides protection against corrosion.
- **No Residual Magnetism** - The lock releases without delay when de-energized.
- **Narrow Backset** - A thin lock section (1¼") may mean the elimination of additional mounting brackets.
- **Built-In Spike Suppression** protects other solid state components within the system from damage when the lock is de-energized.

**LIFE SAFETY PRODUCTS**

FULLY INTEGRATED SECURITY SYSTEMS  
Electromagnetic Locks | Controls | Power Supplies

# 2500 Series Electromagnetic Lock

## **2511** Single Outswinging Door

Single coil. Mounts to the underside of the frame header.  
12 or 24 VDC/VAC field selectable.



## **2511TJ** Single Inswinging Door

Single coil. Mounts to the face of the frame header.  
12 or 24 VDC/VAC field selectable.



## **2522** Double Outswinging Door

Double coil. Mounts to the underside of the frame header.  
12 or 24 VDC/VAC field selectable.



## **2522TJ2** Double Inswinging Door

Double coil. Mounts to the face of the frame header.  
12 or 24 VDC/VAC field selectable.



## **2585 Bantam** Single Outswinging Door

Single coil. Mounts to the underside of the frame header.  
12 or 24 VDC field selectable.  
Ultra-compact 8½" long.



## **2585TJ85 Bantam** Single Inswinging Door

Single coil. Mounts to the face of the frame header.  
12 or 24 VDC field selectable.  
Ultra-compact 8½" long.



# 2500 Series Electromagnetic Lock

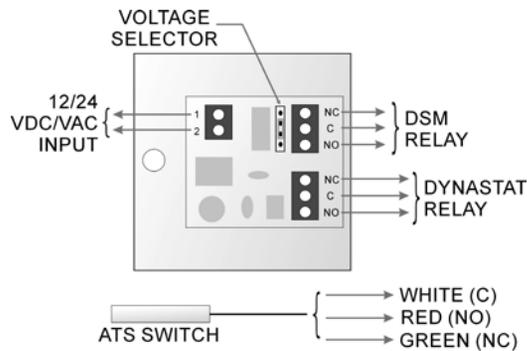
## Options - 2511, 2511TJ, 2522, 2522TJ2

- ATS** ANTI-TAMPER SWITCH - Signals removal of the wiring chamber cover. SPDT contacts.
- CLH** CUSTOM LENGTH HOUSING - See back page.
- DSM** DOOR STATUS SWITCH - Signals door closed or ajar. SPDT contacts.
- DSM2** DOOR STATUS SWITCH - For the 2522 models.
- DYN** DYNASTAT FORCE SENSOR - Indicates efficient magnetic bond. SPDT contacts.
- DYN2** DYNASTAT FORCE SENSOR - For the 2522 models.
- LED** BI-COLOR LED - For local signaling of lock status. (Requires DYN option)
- LED2** BI-COLOR LED'S(2) - For the 2522 models. (Requires DYN2 option)
- SF** SPECIAL FINISH - Standard finish is US28 Satin Aluminum. For special anodized finishes, see price book.

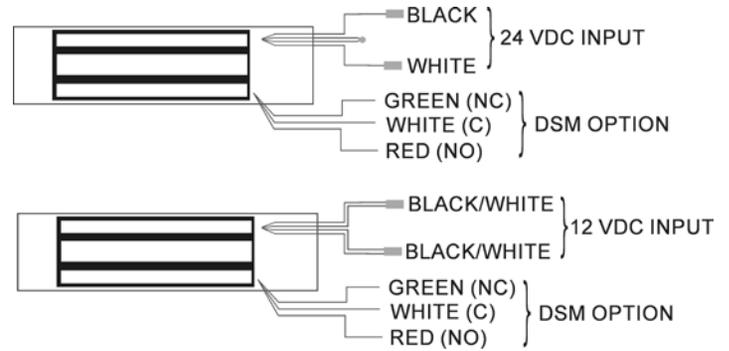
## Options - 2585 & 2585TJ85 Bantam

- DSM** DOOR STATUS SWITCH - Signals door closed or ajar. SPDT contacts.
  - SF** SPECIAL FINISH - Standard finish is US28 Satin Aluminum. For special anodized finishes, see price book.
- NOTES: For AC operation on 2585 Series, order part #7088 pre-wired rectifier bridge .  
 For relock time delay on all models, order part #7080 adjustable 1-60 seconds.

## Wiring Connections (Shown with all options)

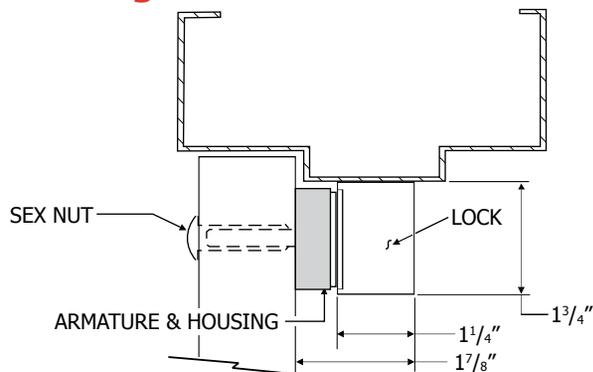


**2511**

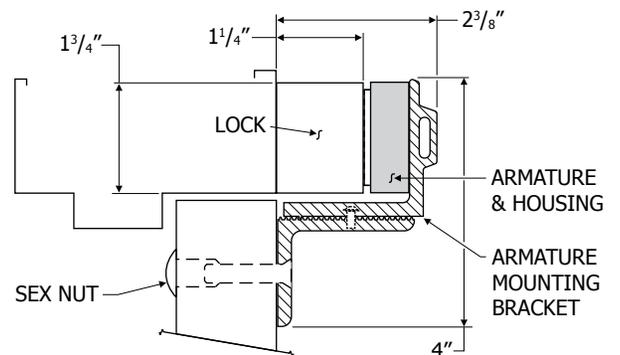


**2585**

## Mounting



**OUTSWING SIDE VIEW**



**INSWING SIDE VIEW**

# 2500 Series Electromagnetic Lock

## Accessories

- **4000 Series** Installation Accessories  
 Filler Plates: Extend the door stop  
 Angle Brackets: Extend the header
- **5000 Series** Power Supplies  
 Solid state power supplies provide proper voltage, time delay and battery backup if required.
- **6000 Series** Exit Controls  
 Push-buttons in a variety of switching configurations and exit sensor bars.
- **7000 Series** Keyswitches and Keypads  
 Keyswitches accept most mortise cylinders for controlled access.  
 Rugged digital entry keypads.
- **8000 Series** Consoles  
 Desk top, slope front and rack mount fabricated to customer specifications.

## Custom Length Housings

Optional custom length housings are ordered in addition to the lock itself. They are used to provide an unbroken sight line across the header or vertical jamb, for a less conspicuous installation. 2511 and 2522 models only.

- 3550** Single door. One horizontal lock LHR 30" to 48".
- 3650** Single door. One horizontal lock RHR 30" to 48".
- 3750** Single door. Two vertical locks up to 96".
- 3850** Double door. Two horizontal locks up to 96".



## Specifications

### MECHANICAL

Holding Force:	650 Lbs.
Lock Size:	
2511, 2511TJ	1 <sup>1</sup> / <sub>4</sub> "D x 1 <sup>3</sup> / <sub>4</sub> "H x 10 <sup>1</sup> / <sub>2</sub> "L
2522, 2522TJ2	1 <sup>1</sup> / <sub>4</sub> "D x 1 <sup>3</sup> / <sub>4</sub> "H x 21"L
2585, 2585TJ85	1 <sup>1</sup> / <sub>4</sub> "D x 1 <sup>3</sup> / <sub>4</sub> "H x 8 <sup>1</sup> / <sub>2</sub> "L
Armature Size:	3 <sup>3</sup> / <sub>8</sub> "D x 1 <sup>1</sup> / <sub>2</sub> "H x 6 <sup>1</sup> / <sub>2</sub> "L
Lock Weight:	
2511, 2585	4 Lbs.
2522	9 Lbs.
2511TJ, 2585TJ85	5.5 Lbs.
2522TJ2	12 Lbs.

Finish: US28 Satin Aluminum with clear anodize  
 Other Finishes Available

### ELECTRICAL

Input Voltage:	
2511, 2522	12 or 24 VDC/VAC (Field Selectable)
2585	12 or 24 VDC (Field Selectable)
Current Draw:	0.5A @ 12V Each Coil 0.25A @ 24V Each Coil
Contact Ratings:	DSM - 0.25A @ 24VAC/VDC DYN - 0.25A @ 24VAC/VDC ATS - 0.25A @ 24VAC/VDC
Coil Resistance:	53.8 Ohms (+/- 10%) Blk/Blk, Wht/Wht

**DYNALOCK CORPORATION**  
 705 EMMETT STREET / PO BOX 2728  
 BRISTOL, CT 06011-2728  
 PHONE: 877-DYNALOCK / FAX: 860-585-0338  
 E-MAIL: INFO@DYNALOCK.COM  
 WEBSITE: WWW.DYNALOCK.COM

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