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.
- 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: 11/4”D x 1”H x 101/2”L
  - 2522, 2522TJ2: 11/4”D x 1”H x 21”L
  - 2585, 2585TJ85: 11/4”D x 1”H x 81/2”L
- Armature Size:
  - 2511, 2585: 3/8”D x 1”H x 61/2”L
  - 2511TJ, 2585TJ85: 3/8”D x 1”H x 61/2”L
  - 2522TJ2: 3/8”D x 1”H x 61/2”L
- Lock Weight:
  - 2511, 2585: 4 Lbs.
  - 2522: 9 Lbs.
  - 2511TJ, 2585TJ85: 5.5 Lbs.
  - 2522TJ2: 12 Lbs.

**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

Finish: US28 Satin Aluminum with clear anodize
Other Finishes Available

2500 Series
650 Lb. Holding Force Mini Maglocks

**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 (11/4”) 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.

**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 81/2” 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.

**Mechanical 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

**Finish:**
- US28 Satin Aluminum with clear anodize
- Other Finishes Available
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. Ultra-compact 8 1/2” long.

**2585TJ85 Bantam Single Inswinging Door**
Single coil. Mounts to the face of the frame header. Ultra-compact 8 1/2” long.

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**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(2) - For the 2522 models. (Requires DYN2 option)
- **SF** - SPECIAL FINISH - Standard finish is US28 Satin Aluminum. For special anodized finishes, see price book.

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**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.

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**Wiring Connections** (Shown with all options)

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**Mounting**

- **2511**
- **2585**
### 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.
- Ultra-compact 8 1/2" long.

#### 2585TJ85 Bantam Single Inswinging Door
- Single coil. Mounts to the face of the frame header.
- Ultra-compact 8 1/2" long.

#### 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(2) - For the 2522 models. (Requires DYN2 option)
- **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.

#### 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)

#### Mounting
- **Outswinging Side View**
- **Inswinging 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

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Finish: US28 Satin Aluminum with clear anodize
- Other Finishes Available

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.
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2500 Series
650 Lb. Holding Force Mini Maglocks

- Compact “Mini Mag” Lock Design
- Ideal for Low Security Applications
- Complete Array of Options
- Lifetime Warranty

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