

Electromagnetic Locks

8310 

8 Series MultiMag™

8320 



In or Out...we make it Easy!™



8310
Single outswinging
interior or
perimeter doors

8320

Double outswinging
interior or perimeter
doors without mullion



Features & Benefits

- Brushed Anodized Aluminum or Brushed Dark Bronze finish
- Adjustable keyhole mounting bracket
- Built-in time delay (instant release with adjustable relock, programmable from 0-90 seconds)
- 12/24VDC – field selectable
- Convenient plug-in wiring terminals
- Easy-access wiring cavity
- Stabilizing 4-hole mag mounting
- MOV surge protection
- No residual magnetism
- Low energy consumption
- Hardened steel armature nut
- Self-drilling tek fasteners

Optional Mounting Accessories

- Angle Brackets • Armature Holders
- Conduit Fitting Kits • Filler Bars
- Glass Door Brackets • Spacers • Top Jamb "Z" Bracket Kits for Inswinging Doors

MultiMag™

These hard-working multi-purpose electromagnetic locks enhance building security and install quickly. Several standard features make these magnets the "workhorse" of the industry.

The adjustable mounting bracket has been enhanced with keyhole mounting to support the magnet's weight during initial installation, freeing the installer's hands to affix the magnet mounting screws. The removable cavity cover offers quick, easy access to wiring.

Both models feature a built-in, adjustable time delay with instant unlock and delayed relock (up to 110 seconds), which can be controlled by any standard switching device.

Highlights

- Installer's "helping hand" mounting bracket
- Up to 1500 lbs. holding force
- Dual voltage
- Low-voltage detection (on SCS version)
- UL Listed
- 10-year limited warranty

Applications

INTERIOR OR PERIMETER

- Single outswinging doors
- Single inswinging doors (use with Z bracket)
- Pairs of outswinging doors without mullion
- Pairs of inswinging doors without mullion (use with Z brackets)
- Government Facilities
- Office Complexes
- Warehouses • Retail
- Commercial • Industrial • Health Care

Options

Door Status Sensor (DSS)	Order two for 8320
Security Condition Sensor (SCS)	Includes LED and Form C relay; order two for 8320
DSS/SCS Combinations	Order two for 8320
CTS	Cover Tamper Switch for wiring cavity
CSS	Cavity Security Screw Kit (tamperproof fasteners for wiring cavity cover)
DSS Retrofit Kit	Order two for 8320
MSS	Magnet Security Screw Kit (tamperproof fasteners to attach magnet to mounting plate)
MCW8310 or MCW8320	Magnet Cover Wraps
Split Armature Kit	8310 only (reduces holding force by more than half)
Special Finishes	Available only on Magnet Cover Wraps

Specifications

8310 

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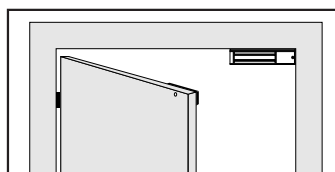
NOTE: Specifications are subject to change without notice.

Specifications	8310	8320
Housing Dimensions	1-5/8" D x 2-7/8" W x 10-1/2" L (including 1/4" mounting bracket)	1-5/8" D x 2-7/8" W x 21" L (including 1/4" mounting bracket)
Armature Plate Dimensions	Standard 5/8" D x 2-3/8" W x 7-7/16" L* Optional 3/8" D x 2-3/8" W x 7-7/16" L*	Standard 5/8" D x 2-3/8" W x 7-7/16" L* Optional 3/8" D x 2-3/8" W x 7-7/16" L*
Voltage	Field selectable 12/24 VDC Tolerance ±10%	Field selectable 12/24 VDC Tolerance ±10%
Power/Current Requirements	Max 0.28A at 12 VDC Max 0.28A at 24 VDC	Max 0.28A at 12 VDC (each lock) Max 0.28A at 24 VDC (each lock)
Holding Force	One-point locking (up to 1500 pounds)	Two-point locking (up to 1500 pounds each point)
Output Relays	SCS (with LED) – SPDT 2A @ 30 VDC DSS – SPDT 0.25A @ 28 VDC (Dry output Form C)	SCS (with LED) – SPDT 2A @ 30 VDC DSS – SPDT 0.25A @ 28 VDC (Dry output Form C)
Wiring Requirements	2 wires – power input Up to 4 wires output	2 or 4 wires – power input Up to 4 or 8 wires output
Adjustable Time Delay	0 to 90 seconds	0 to 90 seconds
Operating Temperature	-10 to 60° C -14 to 140° F	-10 to 60° C -14 to 140° F
Certification	UL & ULC Listed, MEA, CSFM	UL & ULC Listed, MEA, CSFM

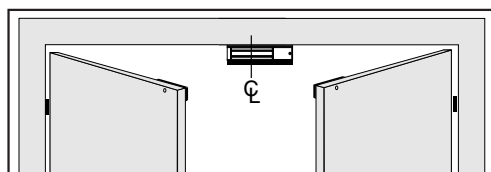
*DSS armature plate dimensions are 5/8" D x 2-3/8" W x 10" L and 3/8" D x 2-3/8" W x 10" L.

NOTE: RCI recommends frame reinforcement and our filtered, regulated DC voltage 10 Series power supplies.

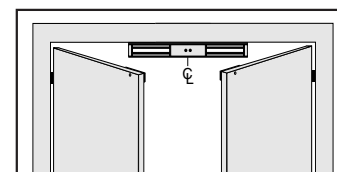
Function Descriptions	
Lock Status Sensor Output (LSS)	A FORM C relay offers lock status remote indication capability and includes LED indication.
Security Condition Sensor (SCS)	Electronic field presence sensor for remote and local LED indication of lock status (locked or unlocked), reduced holding force caused by materials between magnet and plate, and unlocked device due to current loss.
Door Status Sensor (DSS)	Ceramic magnet-reed type sensor for remote indication of door status (opened or closed, independent of local power); magnet embedded in armature for tamper resistance; reed switch inside electronic housing cavity for easy access.
Cover Tamper Switch (CTS)	Limit switch for remote indication when the wiring cavity cover plate is removed (SPDT 5 amps @ 250 VAC).
LED Indicator	Included on SCS options, the LED gives a local indication of lock status: red – unsecured; green – secured.
Low-Voltage Detection	Low voltage dramatically reduces electromagnetic lock holding force. This detection feature signals the SCS relay/LED to activate (alarm) when voltage drops below 10.3 VDC (12V input) or 20.5 VAC (24V input).



8310 Typical Installation



8310 Split Armature Installation



8320 Typical Installation

RCI also offers a complete line of Electromagnetic Locks, Electric Strikes, Power Supplies, Switches, Keypads & Readers, Exit Devices, Systems & Door Hardware.

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