

ELECTROMAGNETIC LOCKS

8310


8 SERIES MULTIMAG™

8320



8310 
SINGLE OUTSWINGING
INTERIOR OR
PERIMETER DOORS



8320 
DOUBLE OUTSWINGING
INTERIOR OR PERIMETER
DOORS WITHOUT MULLION

FEATURES

- Built-in delayed relock *(0-110 secs.)
- 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
- Anodized clear aluminum or dark bronze finish

OPTIONAL MOUNTING ACCESSORIES

- Angle Brackets • Armature Holders
- Filler Bars • Glass Door Brackets • Spacers
- Top Jamb “Z” Bracket Kits for Inswinging Doors

* Available January 2000

MultiMag™

These multi-purpose electromagnetic locks enhance building security and install quickly. Several standard features make these locks the “workhorses” of the industry.

The adjustability has been enhanced with keyhole mounting to support the lock’s weight during initial installation, freeing the installer’s hands to affix the mounting screws. The removable cavity cover offers easy access to wiring. Our built-in time delay relock feature allows instant unlock and delayed relock of up to 110 seconds.*

Both models feature several options, such as the DSS, which is ideal for anti-follow-through, alerting the access control system to reset the lock’s power immediately upon door closure.

OPTIONS

Door Status Sensor (DSS)	Order two for 8320
Lock Status Sensor (LSS)	Includes LED; order two for 8320
Security Condition Sensor (SCS)	Includes LED; order two for 8320
DSS/LSS AND 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
Split Armature Kit	8310 only
Special Finishes	Available upon request

HIGHLIGHTS

- **INSTALLER’S “HELPING HAND” (ADJUSTABLE KEYHOLE MOUNTING BRACKET)**
- **UP TO 1500 LBS. HOLDING FORCE**
- **DUAL VOLTAGE**
- **UL/ULC 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)

USAGE

- Government Facilities
- Office Complexes
- Institutional Facilities • Wholesale Warehouses
- Commercial • Health Care



NOTE: Specifications are subject to change without notice.

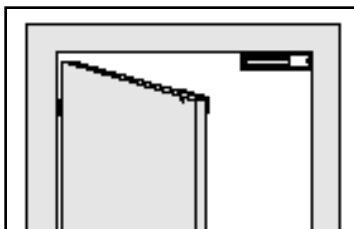
SPECIFICATIONS	8310	8320
HOUSING DIMENSIONS	1 5/8" D x 2 7/8" W x 10 1/2" L (including 1/4" mounting bracket)	1 5/8" D x 2 7/8" W x 21" L (including 1/4" mounting bracket)
ARMATURE PLATE DIMENSIONS	Standard 5/8" D x 2 3/8" W x 7 7/16" L* Optional 3/8" D x 2 3/8" W x 7 7/16" L*	Standard 5/8" D x 2 3/8" 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 0.56A at 12 VDC (0.28A each lock) Max 0.56A at 24 VDC (0.28A each lock)
HOLDING FORCE	One-point locking (up to 1500 pounds)	Two-point locking (up to 1500 pounds each point)
OUTPUT RELAYS	LSS & SCS – SPDT 2A @ 30 VDC DSS – SPDT 0.25A @ 28 VDC (Dry output Form C)	LSS – SPDT 2A @ 30 VDC DSS – SPDT 0.25A @ 28 VDC (Dry output Form C)
WIRING REQUIREMENTS	2 wires – power input 4 wires – relays output	2 to 4 wires – power input 4 to 8 wires – relays output
OPERATING TEMPERATURE	-10 to 60° C -14 to 140° F	-10 to 60° C -14 to 140° F
CERTIFICATION	UL/ULC Listed / Meets MEA and CSFM codes	UL/ULC Listed / Meets MEA and CSFM codes

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

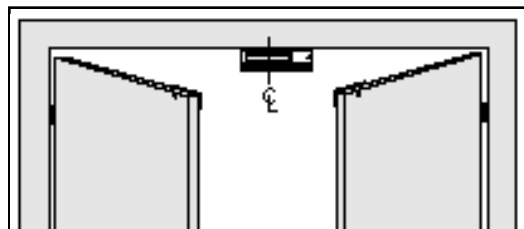
NOTE: RCI recommends frame reinforcement and our 10 Series filtered, regulated, DC power supplies.

FUNCTION DESCRIPTIONS	
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; 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.
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 option, the LED gives a local indication of lock status: red – unsecured; green – secured.

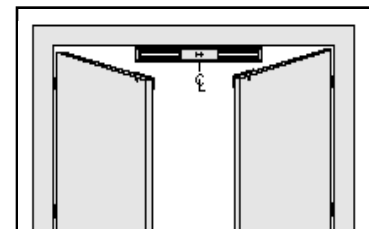
RUTHERFORD CONTROLS OFFERS A COMPLETE LINE OF POWER SUPPLIES, DOOR SWITCHES, KEYPADS, CARD READERS, ELECTRIC STRIKES AND ELECTROMAGNETIC LOCKS FOR INTERIOR OR EXTERIOR USE.



8310 TYPICAL INSTALLATION



8310 SPLIT-ARMATURE INSTALLATION
(HOLDING FORCE IS REDUCED)



8320 TYPICAL INSTALLATION