

Electromagnetic Locks

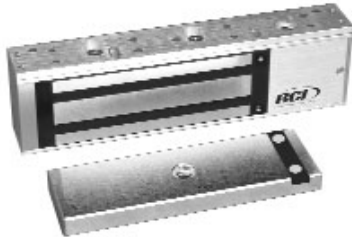
8310-IQ

8 Series IntelliMag®

8320-IQ



In or Out...we make it Easy!™



8310-IQ
Single outswinging
interior or
perimeter doors



8320-IQ
Double outswinging
interior or perimeter
doors without mullion

Features & Benefits

- Anodized clear aluminum or dark bronze housing
- Illegal armature plate alarm
- Alarm time setting
- Lock Status Sensor (includes LED)
- 12/24VDC – field selectable
- Adjustable mounting bracket
- MOV surge protection
- No residual magnetism
- Hardened steel armature nut
- Self-drilling tek™ fasteners
- Easy-access wiring cavity
- Stabilizing four-hole mag mounting

Optional Mounting

Accessories

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

IntelliMag®

This intelligent magnet recognizes its own armature plate, preventing anyone from "tricking" the magnet with a separate plate! Each individually encoded armature plate is registered to match its own electromagnetic lock. Two independent relay outputs allow for lock status and alarm status for local and/or remote indication.

The IQ series features an optional built-in time delay for instant release with adjustable relock.

The IntelliMag® is the ideal solution for loss prevention from inside sources.

Highlights

- Individually encoded armature
- Up to 1500 lbs. holding force
- Dual voltage
- 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
- Retail
- High-tech Buildings
- Warehouses
- Pharmaceutical Plants
- Health Care

Options

Architectural Housing	Order 8330-IQ x 34.5" or 8340-IQ x 46.5" (on-site length modifications)
TD	Time delay (built in); instant release with adjustable relock
CTS	Cover Tamper Switch for wiring cavity
CSS	Cavity Security Screw Kit (tamperproof fasteners for wiring cavity cover)
Special Finishes	Available upon request



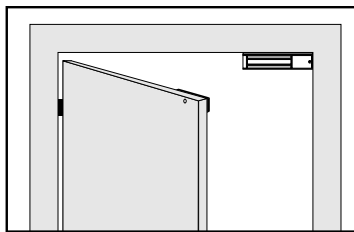
In or Out...we make it Easy!™

NOTE: Specifications are subject to change without notice.

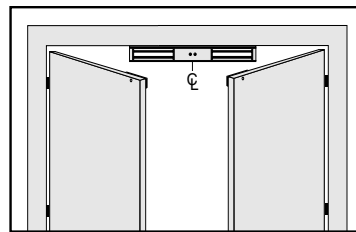
Specifications	8310-IQ	8320-IQ
Housing Dimensions	1-5/8" D x 2-7/8" W x 10-1/2" L (including 1/4" mounting bracket)	1-5/8" D x 2-7/8" W x 21" L (including 1/4" mounting bracket)
Armature Plate Dimensions	Standard 5/8" D x 2-3/8" W x 7-7/16" L	Standard 5/8" D x 2-3/8" W x 7-7/16" L
Voltage	Field selectable 12/24 VDC Tolerance ±10%	Field selectable 12/24 VDC Tolerance ±10%
Power/Current Requirements	Max 0.59A at 12 VDC Max 0.29A at 24 VDC	Max 0.59A at 12 VDC (each lock) Max 0.29A 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	Lock Status Output (LSS), SPDT 2A @ 30 VDC Alarm Status Output, SPDT 2A @ 30 VDC	Lock Status Output (LSS), SPDT 2A @ 30 VDC Alarm Status Output, SPDT 2A @ 30 VDC
Wiring Requirements	2 wires – power input 4 wires – relays output	2 to 4 wires – power input 4 to 8 wires – relay output
Operating Temperature	-10 to 60° C -14 to 140° F	-10 to 60° C -14 to 140° F

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.
LED Indicator	The LED gives a local indication of lock status: red – unsecured; green – secured.
Illegal Armature Plate Alarm	A FORM C relay output offers local LED or remote indication capability of illegal armature alarm.
Alarm Time	Can be set to 15, 30, 60 seconds or manual reset.
Relock Time Delay	Field adjustable relock time delay, 0–90 seconds. Instant release with adjustable relock time. Momentary contact closure required to activate timer.
Non-volatile EEPROM	Will save the armature plate ID, even when power has been removed.



8310-IQ Typical Installation



8320-IQ Typical Installation

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