

RCI Electronic Access Controls Product Catalog

Specialty Locks



RCI Specialty Locks



YG80 Electronic heavy-duty door lock

High-strength lock designed for securing gates, roll-up doors, shipping containers, and other large doors or entryways. Offers the ability to integrate into an access control system. Fully monitored, weatherproof, and user configurable, the YG80 is the perfect indoor and outdoor locking solution.



Energy
12/24VDC +/- 15%



Strength
11,240lbs
Dynamic 148 ft-lbs



Warranty
5 Year Limited
Warranty



Mode
Fail-Secure



Endurance
300,000 Cycles

- Low current consumption
- With the heater disabled, the YG80 will draw as little as 50 mA in standby, and only 1,000 mA in operation at 12VDC. (Heater @24VDC only)
- 18 mm diameter stainless steel bolt pin and reinforced strike design
- Holding force of 11,240 lbs

Features

- Concealed mounting bolts under the lock's cover, which cannot be removed without triggering the tamper detection monitor
- Completely weatherproof
- Aluminum lock body for excellent corrosion resistance
- Built-in heater for continued functionality in colder climates, the YG80 can handle any environment it is placed in
- Complete monitoring capabilities
- Provides a range of output signals - bolt locked and unlocked position, door position, and tamper detection
- Integrated access control system capabilities
- Selectable fail safe / fail secure modes, three user selectable control methods, and multiple attempts to lock or unlock, ensures that the YG80 is ready for a wide range of application requirements
- A symmetrical design means the YG80 can be installed both horizontally and vertically, in indoor and outdoor environments
- The included three meter flying cable ensures easy connection for all the monitoring, control and the 12-24VDC power supply

RCI Specialty Locks



3590 Lock 'N' Prox

Battery powered lock with built-in proximity reader – ideal standalone solution.

2-3/8" W x 2-3/8" H x 7/8" D (60mm x 60mm x 22mm)

Dimensions of lock only. Excludes pin.



Energy
Battery Powered



Strength
140lbf¹ Holding Force



Warranty
2 Year Limited
Warranty



Mode
Fail-Secure
(Fail-Safe When
Battery Fails)



Alarm
Optional Alarm
Function Available

¹For base model. 450lbf for 3590A

- Easy to install and simple to program without PC or software
- Can be fitted to sliding doors, drawer backs, leaf doors, glass, etc.
- 2 pin configurations to accommodate most mounting applications
- Up to 1" (25mm) of reliable reading through wood material without external antenna
- 50 users per lock capability
- Flexible, project-based programming and functions available
- Long lasting lithium battery – minimum 30,000 latch openings per life of battery
- Low battery audible warning
- Very robust, impact-proof motor operation
- Audible signal upon card/fob presentation
- Various catch options available including spring open door release
- Black finish
- FCC and ISSED compliant

Options

A – Alarm Function

Preprogrammed alarm function to detect if the door is left ajar or forced open. When the door is left ajar for more than 30 seconds the alarm will beep until the door is closed or a valid user card is presented. If the door is forced open, the sounder will sound at full volume immediately. To silence the alarm a valid user card must be presented to the lock.

How To Order

Options			
		A	– Alarm Function
3590			
Straight Pin–	SP	CRD	–Proximity Cards – 2 pack
Right-Angle Spring Loaded Pin–	RA	FOB	–Proximity Fobs – 2 pack
Locking Pin		Credentials	

Example: **3590SPAFOB**

Accessories

Model	Description
3590LP-ALM	Straight locking pin
3590LP-ZALSP	Right angle locking pin
3590PX-CRD10	Proximity cards – 10 pack
3590PX-FOB10	Proximity fobs – 10 pack
3590PX-PRO	Replacement programming card
3590ER-SLOC	External reader – surface-mounted with 5ft (1.5m) cable for use when lock is not within read range
3590ER-RLOC	External reader – recess mounted with 5ft (1.5m) cable for use when lock is not within read range Reader diameter is 1/2" (12mm) and length is 1-9/16" (40mm)

RCI Specialty Locks



3510LM Electromechanical Cabinet Lock

Compact, surface-mounted design ideal for small enclosures.
1-5/8" W x 1-7/8" H x 13/16" D (42mm x 48mm x 20mm)

Dimensions of lock only. Excludes pin.

	Energy 250mA ¹ Field-Selectable 12VAC/VDC, 24VAC/ VDC		Strength 250lbf Holding Force
	Warranty 3 Year Limited Warranty		Mode Field-Selectable Fail-Safe & Fail-Secure
	Monitoring Built-in Monitoring Switch		

¹Max at 12VAC/VDC, 120mA at 24VAC/VDC

- Surface-mounted compact electric lock
- Versatile mounting positions
- Elongated holes for adjustable mounting
- Zinc-plated (rust-resistant) steel locking pin assembly
- Low energy consumption
- Positioning of the locking pin determines lock mode
- Built-in monitoring switch indicates whether the mechanism is locked or unlocked
- Black finish

How To Order

3510 LM



3513 Electromechanical Cabinet Lock

Compact, surface-mounted design ideal for small enclosures.
1-3/16" W x 2-7/8" H x 1-1/8" D (30mm x 73mm x 29mm)

Dimensions of lock only. Excludes pin.

3513DM Electromechanical Cabinet Lock with Monitoring

Compact, surface-mounted design ideal for small enclosures.
1-3/16" W x 2-7/8" H x 1-1/8" D (30mm x 73mm x 29mm)

Dimensions of lock only. Excludes pin.

	Energy 200mA ¹ Field-Selectable 12/24VDC		Strength 440lbf Holding Force
	Warranty 3 Year Limited Warranty		Mode Field-Selectable Fail-Safe & Fail-Secure
	Monitoring Optional Dual Monitoring Model Available		

¹Max at 12VDC, 100mA at 24VDC

- Surface-mounted compact electric lock
- Superior heavy-duty metal construction
- Versatile side or top mounting
- Low energy consumption
- Positioning of the solenoid determines lock mode
- Black finish

Options

DM – Dual Monitoring

Built-in locking pin and door monitoring switches.

How To Order

3513 DM –Dual Monitoring
Options

RCI Specialty Locks



3525 Electromechanical Rack Handle Lock

Provides intelligent electronic locking and monitoring capabilities.
1-1/2" W x 6-3/4" H x 1" D (37mm x 170mm x 24.5mm)

3525PRX Electromechanical Rack Handle Lock with Proximity Reader

Includes built-in 125kHz HID® proximity reader.
1-1/2" W x 8-1/4" H x 1" D (37mm x 210mm x 24.5mm)



Energy
200mA¹
Field-Selectable 12-
24VDC



Monitoring
Lock & Handle
Status



Warranty
1 Year Limited
Warranty



Mode
Fail-Secure
(Fail-Safe When
Battery Fails)

¹Typical: less than 200mA at 12VDC, max/stall: 1A, standby: 50mA max,
output signal: 100mA max load, card reader module: 60mA max

Accessories

Model	Description
Cams	
3525-GR3815	0.61" (15.5mm) grip cam, 1-1/2" (38mm) length
3525-GR3817	0.69" (17.5mm) grip cam, 1-1/2" (38mm) length
3525-GR3819	0.77" (19.5mm) grip cam, 1-1/2" (38mm) length
3525-GR3821	0.85" (21.5mm) grip cam, 1-1/2" (38mm) length
3525-GR3823	0.93" (23.5mm) grip cam, 1-1/2" (38mm) length
3525-GR4522	0.77" (19.5mm) grip cam, 1-3/4" (45mm) length
3525-GR4524	0.85" (21.5mm) grip cam, 1-3/4" (45mm) length
3525-GR4526	0.93" (23.5mm) grip cam, 1-3/4" (45mm) length
Gearbox For Multi-Point Systems	
3525-MPLH	Left Hand Gearbox (CCW to open)
3525-MPRH	Right Hand Gearbox (CW to open)
Credentials	
1326R-H-10	125kHz Clamshell Proximity Card, HID® protocol, 10 pack
1326R-H-25	125kHz Clamshell Proximity Card, HID® protocol, 25 pack
1326R-H-50	125kHz Clamshell Proximity Card, HID® protocol, 50 pack
1386R-H-10	125kHz Printable Proximity Card, HID® protocol, 10 pack
1386R-H-25	125kHz Printable Proximity Card, HID® protocol, 25 pack
1386R-H-50	125kHz Printable Proximity Card, HID® protocol, 50 pack
1314R-H-10	125kHz Thick Printable Proximity Card, HID® protocol, 10 pack
1314R-H-25	125kHz Thick Printable Proximity Card, HID® protocol, 25 pack
1314R-H-50	125kHz Thick Printable Proximity Card, HID® protocol, 50 pack
1346R-H-10	125kHz Proximity Fob, HID® protocol, 10 pack
1346R-H-25	125kHz Proximity Fob, HID® protocol, 25 pack
1346R-H-50	125kHz Proximity Fob, HID® protocol, 50 pack

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NOTE: The lock sensor is an optical device that senses the presence of the locking cam. Keyed cylinder can affect sensing. Removal of factory installed keyed cylinder will void warranty.

- Easy to install and use
- Local monitoring with multi-color LED indicator
- Remote lock and unlock control
- Single or multi-point locking
- Low current, gear motor driven mechanism
- Momentary or continuous lock actuation
- High security DIN lock for mechanical key override
- Non-handed
- Wire harness and hardware kit included
- Includes three keys (keyed alike)
- Activated via any third party control system (Access Control)
- PoE adaptable
- Housing, handle and mounting bracket are made of black, glass-filled nylon
- Shaft and rotation limiter are made of die-cast zinc with a bright sealer finishing

Options

iCLASS 13.56 MHz RFID

reader now available (**special order**) Call for order details.

PRX – Proximity Reader

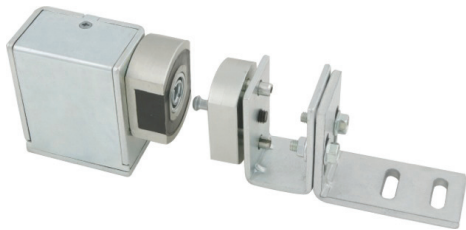
Integrated 125kHz HID® proximity reader which recognizes existing employee RFID prox cards. Wiegand output can be connected to a standalone controller or an existing networked access control system for remote control, monitoring and reporting.

How To Order

3525

PRX – Proximity Reader
Options

RCI Specialty Locks



MEM4400 Compact Electromechanical Lock

Ideal for sliding doors or small enclosures.

1-3/4"W x 1-3/16"H x 21/32"D (44mm x 30mm x 16.5mm)

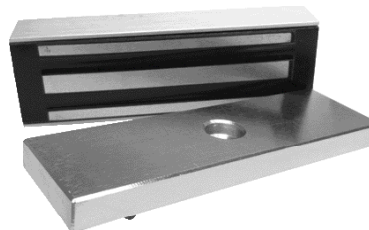
Armature Plate: 1-3/4"W x 1-3/16"H x 1/2"D (44mm x 30mm x 12.5mm)

	Energy 260mA 12/24VDC		Strength 880lbf Holding Force
	Warranty 3 Year Limited Warranty		Mode Fail-Safe
	Monitor Lock & Door Status Sensors		

- Ultra-compact design
- Low power consumption
- Easy installation
- Early warning alarm
- No residual magnetism
- For automatic sliding doors (lock located on or within door track)

How To Order

MEM4400



S2500A Mini Electromagnetic Lock

For small enclosures or hutches.

4-1/4"W x 1-1/2"H x 3/4"D (107mm x 37mm x 20mm)

Armature Plate: 2-1/2"W x 1-1/4"H x 11/32"D (44mm x 30mm x 9mm)

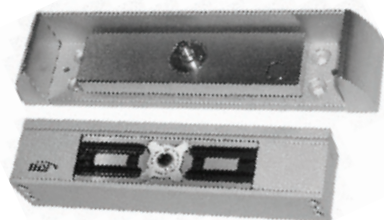
	Energy 240mA 12VDC		Strength 165lbf Holding Force
	Warranty 3 Year Limited Warranty		Mode Fail-Safe

- Mini magnetic lock single door
- Surface-mounted magnet
- Non-monitored
- Power off to release door
- Brushed anodized aluminum housing
- Zinc plated electromagnetic body
- Grain orientated silicone steel armature plate

How To Order

S2500A

RCI Specialty Locks



EM-MAG1500 Compact Electromechanical Lock

For outswing doors & small enclosures.

6-7/32" W x 1-7/16" H x 1-3/8" D (158mm x 36mm x 35mm)

Armature Plate: 4-3/4" W x 1-3/16" H x 1/2" D (121mm x 30mm x 12.5mm)



Energy
240mA¹
Field-Selectable
12/24VDC



Strength
1,500lbf
Holding Force



Warranty
3 Year Limited Warranty



Mode
Fail-Safe



Monitor
Lock & Door
Status Sensors

¹At 12VDC, 120mA at 24VDC

- Slim design; significantly smaller than standard electromagnetic locks
- Bi-color light panel indicates lock status
- Releases under side load of up to 130lbs (60kg)
- Early warning alarm
- Includes anti-tamper security plate
- Anodized aluminum housing; zinc plated for anti-corrosion
- No residual magnetism
- Low energy consumption
- Factory tested to over 1-million cycles

How To Order

EM-MAG1500



MEM2400 Compact Electromechanical Lock

For inswing doors & small enclosures.

8-5/8" W x 1-7/16" H x 1-3/8" D (218mm x 36mm x 35mm)

Armature Plate: 7-1/8" W x 1-3/16" H x 1/2" D
(181mm x 30mm x 12.5mm)



Energy
350mA¹
Field-Selectable
12/24VDC



Strength
1,500lbf
Holding Force



Warranty
3 Year Limited Warranty



Mode
Fail-Safe



Monitor
Lock & Door
Status Sensors

¹At 12VDC, 120mA at 24VDC

- Patented electromagnetic lock with early warning detectors
- Bi-color LED light indicates lock status
- Compact surface-mount design
- Includes adjustable L & Z bracket
- Capable of releasing under door back pressure (pre-load) of up to 150lbs (70kg)
- Aluminum extrusion casing and anodized coated, high grade zinc plating on magnet and plate
- No residual magnetism
- Low energy consumption

How To Order

MEM2400



L and/or Z bracket

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