



Section 2

Product Information

DESCRIPTION:

E.M. Locks have many different names within the industry. For example: Electro Magnetic Locks, Electronic Magnetic Locks, Electronic Holding Devices, Magnetic Holders, and Electro Holding Devices, but ultimately they accomplish the same application.

These locks are particularly useful when traditional electric strike applications will not work and are also suitable for holding open fire doors, securing vehicle gates to name but a few.

These devices work by applying low-voltage power to them, usually 12vdc at 500mA.

OPERATION:

The electromagnet is mounted rigidly to a door frame and the armature to the door, directly opposite the face of the magnet. The armature mounting hardware allows the armature to flex, or pivot, on the door. This allows the armature to make a good bond to the magnet, not being influenced by slight misalignment or any warpage of the door. When the door is closed, and the magnet is energized, the magnetic field attracts and "grabs" the armature.

Once a good bond is created it would take a direct pull force of 200 to 500kgs, depending on the size of the magnet, to part the armature from the magnet. When the input voltage is shut off, the magnetic field collapses, and the armature is released.



RELIABLE SECURITY:

This state of the art electro-magnetic locking device provides positive, instantaneous door control. Offered in models for single and pairs of out-swinging, in-swinging, sliding, and overhead doors. Filler plates, angle brackets, and other mounting adapters are available to satisfy a wide range of door and frame types and conditions.

SAFE OPERATION:

Our locking devices are inherently fail safe, releasing instantly upon command or loss of power. With no moving parts to wear, stick or bind; no mechanical linkages to bend or break; and no bolt travel time or misalignment to raise concern, both unlocking and locking are always accomplished with ease and efficiency.

NFPA LIFE SAFETY COMPATIBLE:

As electromagnetic locking devices function independently of any mechanical type locks, magnetic locks will not jeopardize the fire door rating of an opening. These units are ideal for use with fire and hazard detection systems to provide unobstructed egress. Highly recommended for use on Exit Door Control Systems requiring code acceptable delayed releasing, per NFPA 101

Description

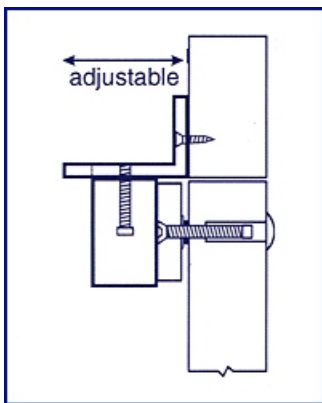


Steel slimline mini electro-magnetic lock used for inward and outward swinging doors. Specifically designed as a small lock for specialist application with a holding force of 200kgs

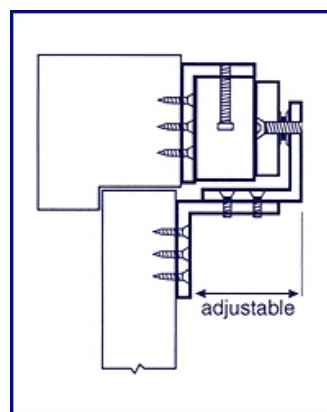
Technical Information

Model	XMCC201U	XMCC201M
Voltage Input	12/24V	12/24V
Current Draw	450mA	450mA
Holding Force	200kgs (440lb)	200kgs (440lb)
Lock Size (L)	170mm (6.8")	170mm (6.8")
Lock Size (H)	37mm (1.48")	37mm (1.48")
Lock Size (W)	28mm (1.12")	28mm (1.12")
Finish	Electro-less Nickel	Electro-less Nickel
Contacts	N/A	Dry Reed
Monitored Changeover	No	Yes
Mounting	Side	Side
L & Z Bracket	XQMCC201	XQMCC201

Installation Drawings



L Bracket Installation
Outswing door installation



Z Bracket Installation
Inswing door installation



Description

Steel slimline electromagnetic lock specifically designed for cubicle or sliding doors for mortise mounting with a holding force of up to 200kgs

Technical Information

Model	XMCC202U	XMCC202M
Voltage Input	12/24V	12/24V
Current Draw	450mA	450mA
Holding Force	200kgs (440lb)	200kgs (440lb)
Lock Size (L)	200mm (8")	200mm (8")
Lock Size (H)	37mm (1.48")	37mm (1.48")
Lock Size (W)	28mm (1.12")	28mm (1.12")
Finish	Electro-less Nickel	Electro-less Nickel
Contacts	N/A	Dry Reed
Monitored Changeover	No	Yes
Mounting	Mortise	Mortise

Description

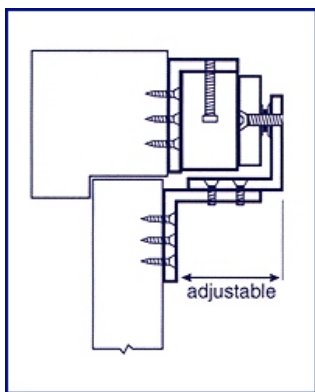
Steel standard electromagnetic lock with universal mounting for both front or side mounting with a holding force of up to 350kgs.



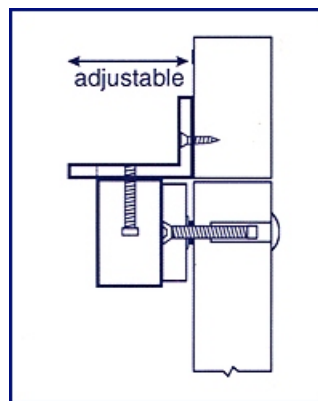
Technical Information

Model	XMCC350U	XMCC350M
Voltage Input	12/24V	12/24V
Current Draw	450mA	450mA
Holding Force	350kgs (770lb)	350kgs (770lb)
Lock Size (L)	215mm (8.6")	215mm (8.6")
Lock Size (H)	55mm (2.2")	55mm (2.2")
Lock Size (W)	28mm (1.12")	28mm (1.12")
Finish	Electro-less Nickel	Electro-less Nickel
Contacts	N/A	Dry Reed
Monitored Changeover	No	Yes
Mounting	Universal	Universal
Z Bracket	XZCC350	XZCC350
L Bracket	XLCC350	XLCC350

Installation Drawings



Z Bracket Installation
Inswing door installation



L Bracket Installation
Outswing door installation

N/B These diagrams refer to surface mount only - these magnets can also be mortise mounted.



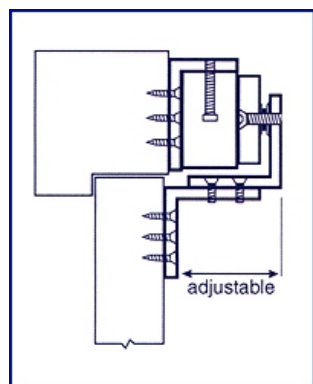
Description

Steel standard electromagnetic lock with universal mounting for both front or side mounting with a holding force of up to 500kgs

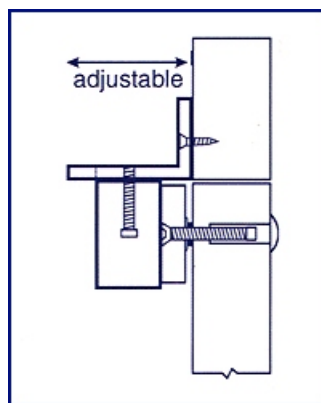
Technical Information

Model	XMCC500U	XMCC500M
Voltage Input	12/24V	12/24V
Current Draw	450mA	450mA
Holding Force	500kg (1100LB)	500kg (1100LB)
Lock Size (L)	215mm (8.6")	215mm (8.6")
Lock Size (H)	55mm (2.2")	55mm (2.2")
Lock Size (W)	28mm (1.12")	28mm (1.12")
Finish	Electro-less Nickel	Electro-less Nickel
Contacts	N/A	Dry Reed
Monitored Changeover	No	Yes
Mounting	Universal	Universal
Z Bracket	XZCC350	XZCC350
L Bracket	XLCC350	XLCC350

Installation Drawings



Z Bracket Installation
Inswing door installation



L Bracket Installation
Outswing door installation

N/B These diagrams refer to surface mount only - these magnets can also be mortise mounted.

Ultra Electromagnetic Lock Accessories



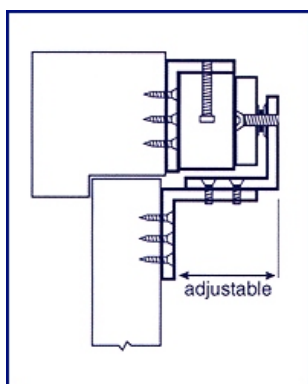
- quick mount brackets
- z-brackets
- l-brackets
- filler bars
- mounting nuts & bolts

Accessory Codes:

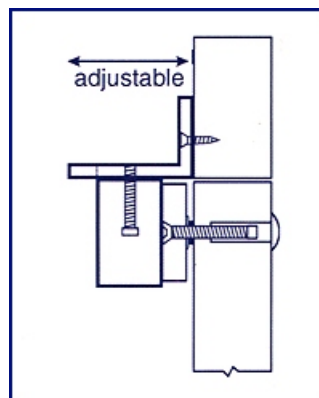
- XQMCC201** - Quick mount bracket for XMCC17U and XMCC17M
- XLCC350** - L Bracket for XMCC40U, XMCC40M, XMCC50U & XMCC50M
- XZCC350** - Z bracket for XMCC40U, XMCC40M, XMCC50U & XMCC50M

Universal Locks

XMCC350U & M and XMCC500U & M have universal mounting. The advantage of our universal locks is that they have the unique ability to be mounted from either the front or the side. This allows lower stock levels to be maintained as only universal locks need to be held rather than both front and side models. Effectively this halves the stock levels



Z Bracket Installation
Inswing door installation



L Bracket Installation
Outswing door installation