# 1110/1120 ELECTRO-MAGNETIC LOCKS

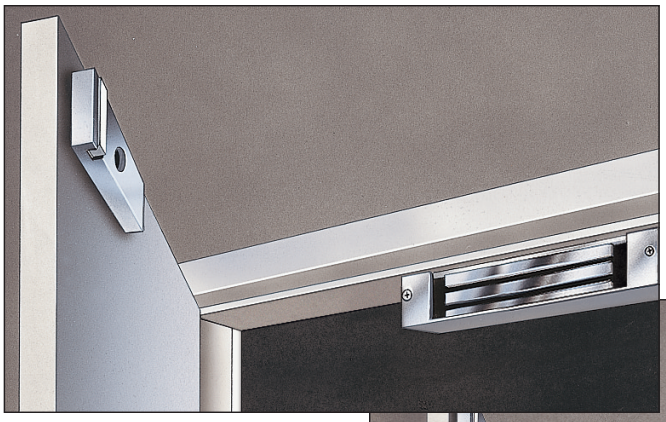
**1200 Pounds Holding Force**

**Shallow 2” Mounting Profile**

**Low Efficient Current Draw**

**Easy Access Security Housing**

**Field Selectable 12 or 24 Voltage**



1110

1120

**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:**
ULTRA-LOCK locking devices are inherently failsafe, 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.

**Extended Service:**
The rugged design and durable construction insures virtually endless actuations without fear of electrical fatigue or mechanical breakdown. This, combined with manufacturing to the most stringent quality control standards, allows Dortronics to offer a *Lifetime limited warranty* on all electromagnetic locks.

**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.

**Universal Control:**
Able to be controlled and monitored individually, sequentially, or simultaneously from one or several locations, make the application of ULTRA-LOCKs ideal in perimeter protection systems with automatic swinging and sliding door systems, and intrusion alarm systems.

The well confined magnetic field of the lock allows it to be used in sensitive computer areas. With the built-in suppressor system protecting circuitry and components from noise and spikes, ULTRA-LOCK systems can be reliably interfaced with any electronic access control and monitoring equipment .

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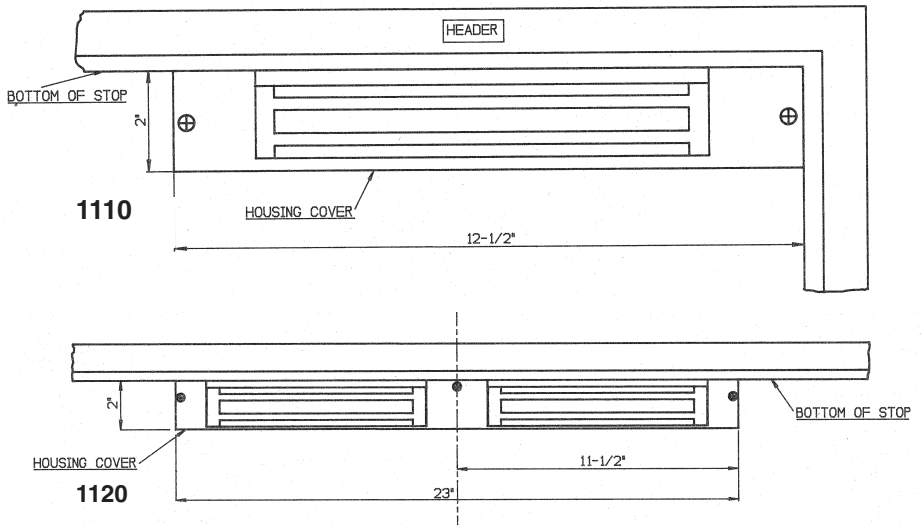
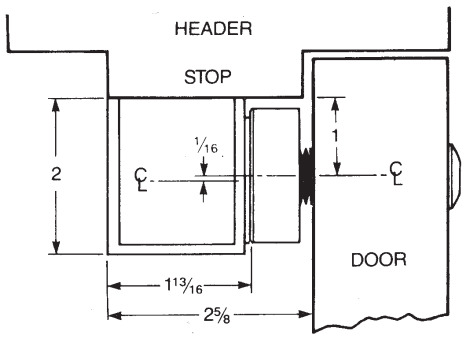
DORTRONICS SYSTEMS, INC.

# 1110/1120 SERIES ELECTRO-MAGNETIC LOCKS




ON FULL WIDTH STOP WITH SURFACE MOUNTED ARMATURE

## Specifications

Physical Size:
1110 Housing - 12-1/2" long x 2" high x 1-13/16" deep overall
1120 Housing - 23" long x 2" high x 1-13/16" deep overall
1110/1120 Projection - 2-5/8" total depth including armature
Electrical:
Operating voltage field selectable
1110 - 290ma @ 24 VDC
580ma @12 VDC
1120 - 580ma @ 24 VDC
1.16 amp @12 VDC

## In-Swinging Doors

TJ (prefix) - Top jamb mounting for in-swinging doors (includes back mount housing and Z bracket for mounting armature)
See also 1190 armature mounting assembly for all glass doors.

## Custom Housings

G (prefix) - Extruded housing guard lip conceals and protects armature
LV (prefix) - Extra long housing for vertical jamb mounted locks
LW (prefix) - Extra wide housing for horizontal full width mounted locks

## Custom Finishes

x DBA - Dark Bronze Anodize

xSBA - Black Satin Anodized
xUS3 - Polished Brass
xUS4 - Satin Brass
xUS26 - Polished Chrome
xUS26D - Satin Chrome

## Factory Options

xD = Concealed Door Position Switch SPDT rated @ .1 amp @ 30 volts
x2D = Two Door Position Switches (as above for use with pairs of doors)
xL = Bi-polar LED recessed into end plate of housing with resistor for use with 12 or 24 VDC
xB = Dual magnetic bond sensors detect improper armature mating or lack of sufficient lock power to provide rated holding force
x2B = Two dual magnetic bond sensors (same as above for pairs of

xR = AC to DC Rectifier concealed in housing, mounted to electromagnet (one required for each magnet if operating from AC power)
x2R = Two AC to DC Rectifiers (one per electromagnet, see above)
xCS = 1/2" Rigid conduit fitting mounted in housing end plate (for use in exposed wiring conditions such as perimeter gate control)
xCT = Concealed cover tamper switch SPDT snap action actuated by removal of housing cover
xTS = Tamper resistant cover attachment screws for enhanced security

## Installation

The elongated mounting holes on the mounting plate permit easy adjustments. Two of the four small holes behind the electromagnet are used to secure the unit firmly in place and keep it from rotating. The other two round holes can be used should moving the magnet slightly be required later. Four point versus 2 point mounting, increases the stability and life of the installation.

A wire trough behind the electromagnet provides a convenient channel for leads, allowing the installer to use the chamber at either end for field connections.

Lock operating voltage is field selectable to match the supply voltage. Locks are shipped ready for 24 volt DC power but can be field wired for 12 volt DC power.

Included in the armature mounting pack is a specially designed shoulder screw to insure proper floating action of the door mounted armature. This mounting screw can be fully tightened without affecting floating action. Roll pins are furnished also to allow the armature to flex while maintaining alignment.

**Distributed by:**

DORTRONICS SYSTEMS, INC.
1668 SAG HARBOR TURNPIKE, SAG HARBOR, NY 11963
www.dortronics.com - (800) 906-0137 - (516) 725-4234 FAX