

1110/1115/1120 ELECTRO-MAGNETIC LOCKS

1200 Pounds Holding Force



Features:

1200 Pounds Holding Force

Shallow 2" Mounting Profile

Low Efficient Current Draw

Easy Access Security Housing

Field Selectable 12 or 24 Voltage

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:

1100 Series 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 insure 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 *ten-year 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 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:

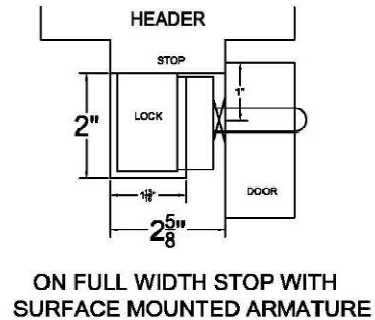
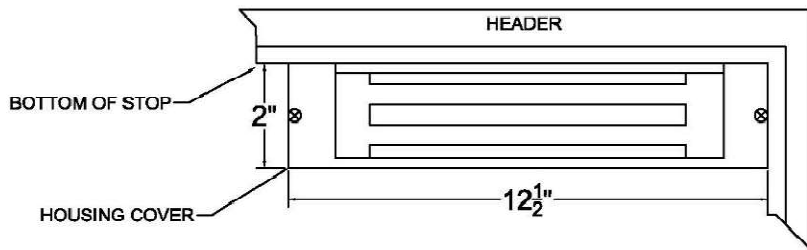
Able to be controlled and monitored individually, sequentially, or simultaneously from one or several locations, make the application of maglocks ideal in perimeter protection systems with automatic swinging and sliding door systems, and intrusion alarm systems. The well confined magnetic field of the lock allows it to be used in sensitive computer areas. With the built-in suppressor system protecting circuitry and components from noise and spikes. 1100 Series maglocks can be reliably interfaced with any electronic access control and monitoring equipment.

Model Configuration:

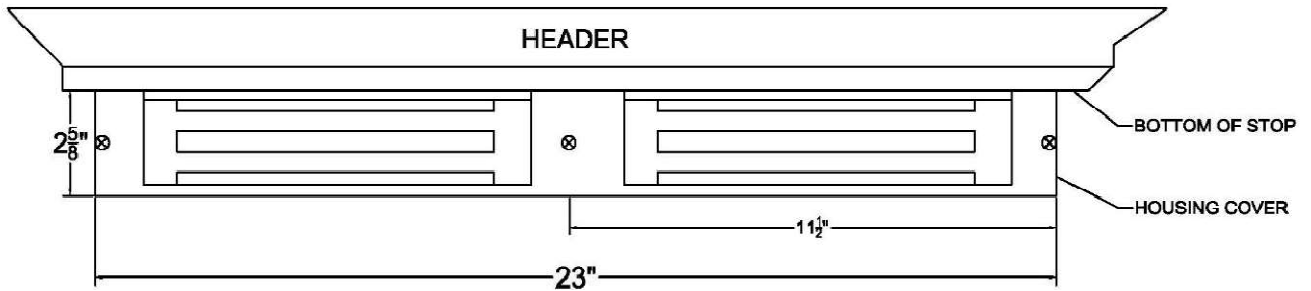
The 1110 is for single outswing doors, TJ1110 for Inswing doors
The 1120 is for double outswing doors, TJ1120 for Inswing doors
The 1115 is for double outswing doors utilizing the 1110 with a split pair of armatures 600 lbs. per door, TJ1115 for Inswing doors



1110 & 1115



1120



Specifications:

Physical Size:

1110 & 1115 - 12-1/2" long x 2" high
Housing dim. x 1-13/16" deep
1120 - 23" long x 2" high
Housing dim. x 1-13/16" deep

1110/1115/1120 Projection - 2-5/8"
Total depth including armature

Electrical:

Operating voltage field selectable
1110/1115 - 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 1198 armature mounting assembly for all glass doors.

Custom Housings:

LV (prefix) - Extra long housing for vertical jamb mounted locks
LW (prefix) - Extra wide housing for horizontal full width mounted locks

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-Color LED on end plate 12/24V
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 per electromagnet, see above)
xCF = 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

Custom Finishes:

xDBA - Dark Bronze Anodized
xUS3 - Polished Brass
xUS4 - Satin Brass
xUS26 - Polished Chrome
xUS26D - Satin Chrome

Installation:

The elongated end slots on the mounting plate permit easy adjustments. The two mounting slots behind the electromagnet are used to secure the unit firmly in place and keep it from rotating. 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. The 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 pivoting action of the door mounted armature. This mounting screw can be fully tightened without affecting the floating action. Roll pins are furnished also to allow the armature to flex while maintaining alignment.



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