

1150/1152/1155 ELECTROMAGNETIC LOCKS

Heavy Duty Electromagnetic Locks



Features:

1500 Pounds Holding Force

Small 2-5/8" Mounting Profile

Low Efficient Current Draw

Easy Access Security Housing

Field Selectable 12 or 24 Voltage

Reliable Security:

Solid, secure door control is possible with this state of the art electromagnetic lock. Capable of providing over 1500 pounds of holding force, per door leaf, these locks are available in models for single and pairs of out-swinging or in-swinging doors. Filler plates, angle brackets, and other mounting adapters allow easy installation on a wide range of door and frame types and conditions.

Safe Operation:

ALL 1150 series electro-magnetic 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 concerns, both locking and unlocking are accomplished with ease and efficiency.

Extended Service:

The rugged design and durable constructions 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 *Lifetime Warranty* on all electro-magnetic locks.

NFPA Life Safety Compatible:

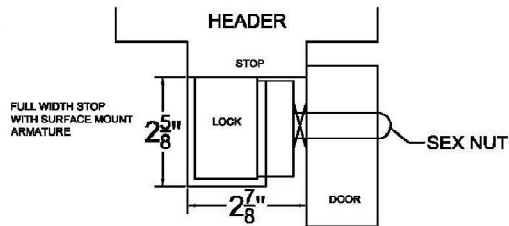
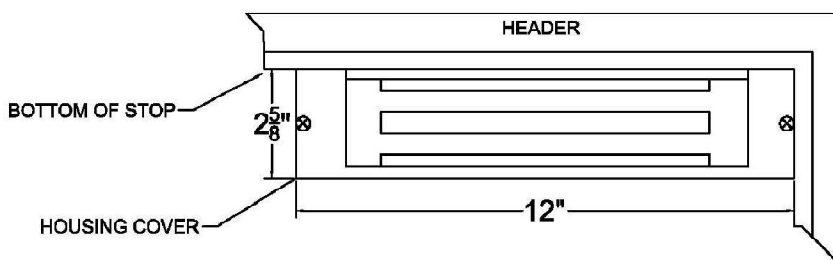
As electromagnetic locking devices function independently of mechanical locks, installation of magnetic locks will not jeopardize the door rating of an opening. Magnetic locks are ideal for use with fire and hazard detection systems to provide unobstructed egress and are highly recommended for use on Exit Door Control Systems requiring delayed releasing, per NFPA 101 or BOCA Codes.

Universal Control:

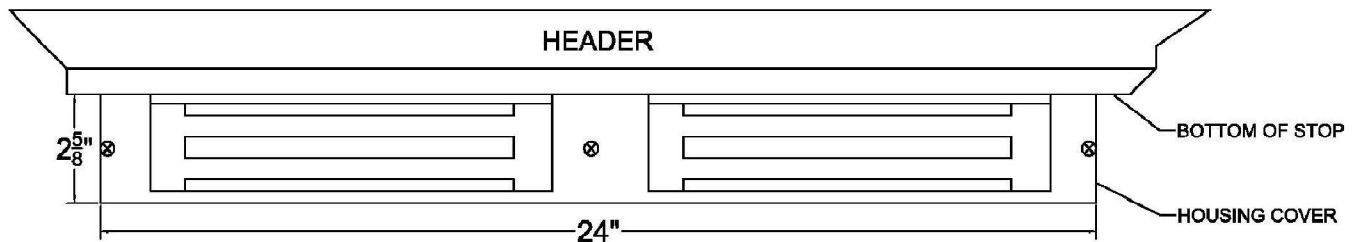
Capable of being controlled and monitored individually, sequentially, or simultaneously from one or several locations, the application of 1150 maglocks can be used with automatic swinging and sliding door systems, and most security alarm systems. The well confined magnetic field of these locks allow them to be used in computer rooms and other electronically sensitive areas. With the built-in suppressor system protecting connected circuitry and components from noise and spikes, 1150 maglocks can be reliably interfaced with any electronic access control and monitoring equipment.



1150 & 1155



1152



Specifications:

Models

- 1150- Single Door (1500 Lbs. total)
- 1152- Double Door (1500 Lbs. per leaf)
- 1155- Double Door, Single Lock with Split armatures (750 Lbs. per door leaf)

Physical Size

- 1150 Housing- 12" long x 2-5/8" high x 1-7/8" deep overall
- 1152 Housing- 24" long x 25/8" high x 1-7/8" deep overall
- 1155 Housing- 12" long x 2-5/8" high x 1-7/8" deep overall
- 1150/1152/1155 Projection – 3-1/8" total depth including armature

Electrical

- Operating voltage field selectable
- 1150/1155 – 300ma @ 24VDC
- 600ma @ 12VDC
- 1152 – 600ma @ 24VDC
- 1.20 amp @ 12VDC

In-swinging Doors:

TJ (prefix) – Top jamb mounting for in-swinging doors (includes back mount housing and Z bracket for armature)

Custom Housings:

- LV (prefix) – Long housing for vertical jamb mounted locks
- LW (prefix) – 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 electromagnets, 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 screws for enhanced security

Custom Finishes:

- xDBA – Dark Bronze Anodize
- 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 two point mounting, increases the stability and life of the installation. A wire trough behind the electro-magnet 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.



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