7050M
Electromechanical Lock

RR Brink

For More information please call 210-123-4567

Electric Locks

7050M Electromechanical Lock

APPLICATION

• The 7050M motorized lock is an extra heavy weight electro-mechanical lock for use in openings subject to high traffic and/or where maximum attack resistance is a priority requirement. It is designed for jamb mounting in a grille or hollow metal frame (14 gauge minimum) with a custom fabricated and reinforced lock pocket (a.k.a. mortar box).

• The 7050M is recommended for remote control of maximum security locations in jails or prisons (e.g. cells, dayroom entries, and sally ports) or in other building types where openings in security perim-iters must be equipped to withstand forced attack and/or constant usage.

• Electrical retraction of the latchbolt is by either a 24VDC or 120VAC gearmotor. Motor actuation is indicated where superior latch retraction force and quiet operation are important to the application.

• Mechanical latch retraction is by is by RRBLS paracentric key operation of an enclosed lever tumbler lock.

• With a hollow metal frame, the lock mechanism can be serviced with the lock in the frame by removing an access plate supplied by the frame manufacturer (see illustrations above).

• When used in exterior locations, moisture proofing of the lock enclosure is essential and an internal resistance-heating strip is recommended when the lock may be subjected to extreme freezing conditions.

(Note: Not recommended for maximumsecurity detention applications.)

STANDARD FEATURES

- Key unlocking at all times with an integral R.R. Brink lever-tumbler lock.
- Lock case and cover made of 7 gauge steel, electroplated for corrosion resistance
- Working parts are copper alloy or stainless steel.
- Powerful and quiet 120VAC or 24VDC motor.
- A case hardened, zinc-plated steel latch (highly resistant to wear and sawing) with a full 3/4”- inch throw. 3/4” x 2” cross section at the locking shear point.
- Electroplated steel roller bolt deadlocks latch.
- Maintained Switch Latch Holdback (MSLH) function (see “Lock Function Reference Guide”)
- Lock status switch (LSS) trips when the latch is in a deadlocked condition. Used in a signal circuit to indicate lock status – unlocked or deadlocked – via control panel lights and/or alarm devices. The LSS is also used to control an electrical interlock, which permits only one of a group of doors to be unlocked electrically at any time.

  Note: For positive, tamper resistant signaling of a closed and deadlocked door, a sensitive door position (DPS) switch must be wired in combination with the LSS. Our DPS Nos. 201030 or 201090 are recommended.
- Plug connectors are provided for ease in wiring and removal.
- Exposed fasteners – pinned “Torx” head

Electric Locks

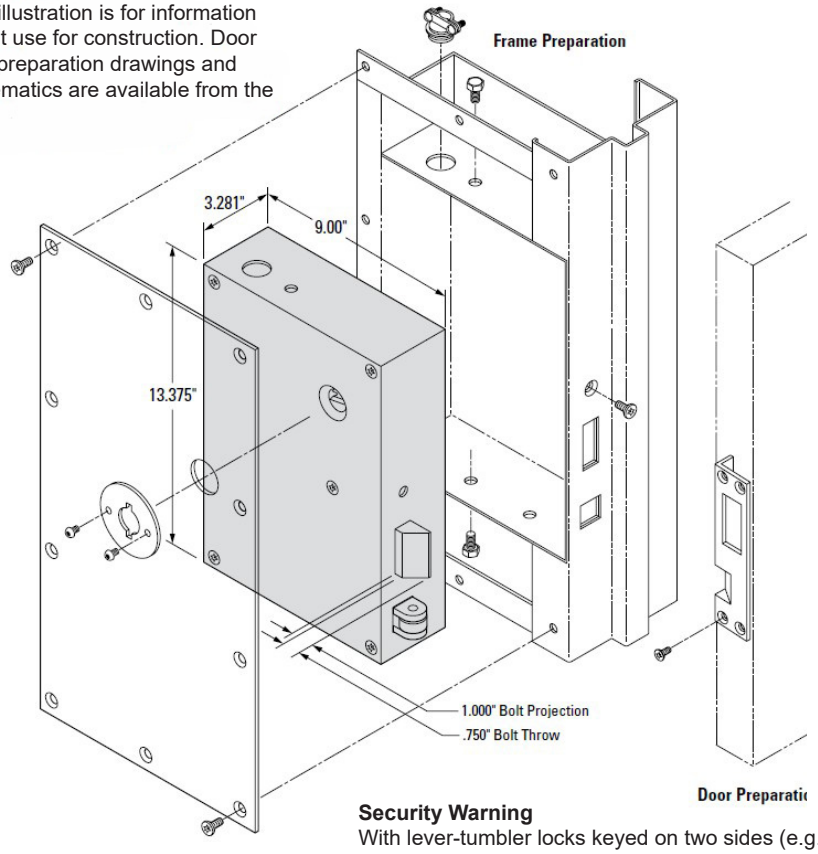
7050M Electromechanical Lock

OPTIONAL ACCESSORIES

- Prison paracentric key – order separately, not included with lock
- Custom bolt projection – consult factory
- Escutcheon – finish U.S. 32D or U.S. 4
- Cylinder Shield – finish U.S. 32D

7052 M Illustrated
Hinge-side mounting. Keyed one side

Note: This illustration is for information only. Do not use for construction. Door and frame preparation drawings and wiring schematics are available from the factory.



Certified by a nationally recognized independent testing laboratory to meet ASTM F1577-6.2- Impact Test Grade 1

Security Warning
With lever-tumbler locks keyed on two sides (e.g. 7056M), it is important that the end user always remove the key from a locked door. If the key is left in the lock, for instance on the non-secure side to facilitate frequent unlocking, the bolt can be retracted from the opposite side by simply turning the cylinder with a common tool. (e,g, screwdriver). This poses an unacceptable and potentially dangerous security risk!

ELECTRICAL DATA

Motor	24VDC, 1.0 amp or 120VAC, 3 amp
Lock Status Switch	SPDT type, UL listed, 125/250 VAC, 5 amp.

Model	Description
7052M	7050M keyed one side
7056M	7050M keyed both sides