

LOCKMASTERS[®]

I N C O R P O R A T E D



Frequently Ask Questions of the LKM7000 product line

Q. What is the fire rating of the LKM 7000 product line?

A. The current fire rating of the LKM7000 product is 90 minutes when installed with the stainless steel strikes that are now standard and a Kaba Mas X09 lock or mechanical combination lock. The locks when installed with a Sargent and Greenleaf 2740 lock are not fire rated.

Q. What voltage or amperage is required for the locks to use access control?

A. The locks work on 12 volt or 24 volt DC power and require only a .5 amp.

Q. Can these locks be used with an electric strike?

A. No, these locks cannot be used with an electric strike. All doors should be prepped for a raceway. The locks will require an electric hinge or an electric power transfer (EPT) to power the access control solenoid. For doors that are being retrofitted without a raceway an armored door loop or an external wire conduit of various types may be used. To just activate the solenoid and not use monitoring a two wire device is needed but if all monitoring switches are being used then an 8 wires EPT or electric hinge is needed.

Q. What key cylinder is provided with the LKM7003 and LKM7006 locks?

A. No key cylinder or cores with keys are provided with the key override locks LKM7003 and LKM7003 with or without the X09. You must also specify on door schedules and hardware requests an interchangeable or removable key cylinder with core and keys to work the lock that has a straight horizontal tailpiece. This lock may be used with Schlage, Best, Arrow, Falcon, Medeco, Yale, Assa, and others as requested by the system requirements already used at the facility receiving the lock.

Q. What is the security role of the FF-L-2740 lock (i.e. Kaba Mas X09) or combination lock installed inside of the LKM7000 product on the door? Can it be overridden by the key in the override?

A. The combination lock cannot be overridden by the key override. The combination lock must be in the open position for the key override or the access control device to work for access. The device is King of the door and is an independent lock within our lock. The warranty of the combination lock is a separate one from the LKM7000 product. The manufacturer warranty of the combination lock covers any failure of that device. You can use any standard combination lock. The Kaba Mas X09 is the most popular with the door hardware must meet FF-L-2740A and FF-L-2890. Pg1

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Q. What are the switches in the lock used for?

A. You can monitor whether the X09 is open or closed. You can use the bolt switch for a request to exit and relay alarms, sirens, magnetic locks, and door assist devices off of that switch. Both switches are status switches and simply open or closed. How your alarm or monitoring system interprets the change in movement is up to the setting of your equipment.

Q. How do I prep the door for LKM7000 product?

A. It is preferable that the lock is field prepped by an installer with the LKM7000IFAC installation fixture. These locks are positioned on the door off the strike. We do have some templates for hollow metal frame doors without STC retainer and seal systems that can be used at your own risk for large door projects by special request. These templates do not print to scale and must be reversed for out swing applications. Our recommended placement of the lock is 43 inches AFF. However, placement between 41-44 inches AFF on the door will not affect the function of the lock and will keep all parts of the lock within the range of ADA. On hollow metal doors and wood veneer doors we recommend standoff kits LKM7000SOK1 for 1 3/4 doors or LKM7000SOK for 2 inch doors. We also have a 700013s01EXT which allows the LKM7000, 7003, 7004 and, 7006 to be used on doors with a thickness greater than 2 3/4's.

Q. What sounds seals work better for the LKM7000 product line in sound rated applications?

A. It is always better to use magnetic seals with the LKM7000 product line. Depending on the sound rating desired compression seals may end up binding the bolt as they are adjusted. The bolt on the lock cannot have any bolt end or side pressure on it. This requires the sound seals to be well adjusted on the door. Door closers must be adjusted so the doors do not slam against the strike. Damage to the strike and lock from the door slamming is not covered under warranty.

Q. How do we use this lock on double door applications?

A. The inactive leaf must be fixed in place and locked securely before the lock is latched when a mullion is not used. The active door must not slam against the inactive leaf strike or the lock's encapsulated strike will break.

Q. How do convert an LKM7002 exit only lock to one of the other versions?

A. You do not convert the LKM7002. You must replace it with one of the other locks.

Q. How do I convert the LKM7000 to a LKM7003 or a LKM7004 to LKM7006?

A. If you add the key override module LKM7001 to a LKM7000/LKM7004 you can convert the lock to a LKM7003/ LKM7006. The internal solenoid in the LKM7000/ LKM7004 needs to be removed since the LKM7001 has a solenoid in it. The LKM7004 and LKM7006 have a removable metal cover that can be removed if an X09 lock or other combination lock needs to be added to the door to make a LKM7000 or LKM7003 lock.

Q. What version of an X09 lock should be used with a LKM7000 Product?

A. The LKM7000 Product line uses the safe lock version the X09. Please do not specify a CDX09 with any LKM7000 product. If a CDX09 is currently being used on the door you can purchase a LKM7000CK9 kit to convert the lock to a regular X09 so it can be reused inside of the LKM7000.

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