



# THOR III USER MANUAL

## **Thor III Vault Door**

All Thor III Vault Doors are designed to meet Underwriters Laboratories requirements outlined in Standard for Safety U.L. 608 and carry the U.L. label for selected Class.

## **Combination Locks**

The standard door is equipped with two, four-wheel combination locks, which are delivered from the factory set on 50. The door is set so that either combination lock will unlock the door. In the event the customer requires both combinations to be operated to open the door this should be communicated to the factory at time of order to insure proper setting. This can be set in the field by a qualified technician however.

An optional third combination lock or key lock is available, as well as electronic combinations which may be substituted for a mechanical combination lock.

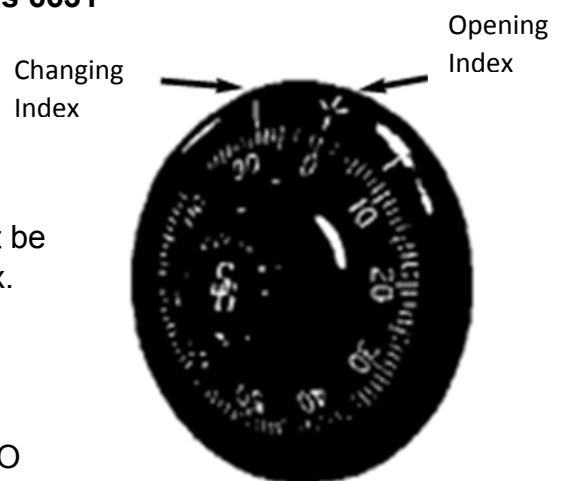
## **Operating and Changing Instructions Lock Models 6631**

At the top of the dial ring, an index is provided for normal dialing and opening. At the side of the opening index, a changing index is provided for use only when setting a new combination.

This is a precision lock, therefore, extreme care must be used to align the combination numbers with the index.

Turn the dial slowly and steadily. If after turning the correct number of revolutions, any number is turned beyond the index, the entire series of combination numbers must be re-dialed. **DO NOT TURN BACK TO REGAIN A PROPER ALIGNMENT WITH THE**

**NUMBERS.** Each time a selected number is aligned with the opening index, a revolution is counted.



## **To Unlock on a Factory Setting**

- Turn dial LEFT 5 turns, stopping on "50". Turn dial RIGHT until Bolt retracts.
- To unlock a lock set on a 4 number combination, use the following example.
  1. Turn dial to the RIGHT, stopping when "10" is aligned with the index, the FIFTH time
  2. Turn dial to the LEFT, stopping when "20" is aligned with the index, the FOURTH time.
  3. Turn dial to the RIGHT, stopping when "30" is aligned with the index, the THIRD time.
  4. Turn dial to the LEFT, stopping when "40" is aligned with the index, the SECOND TIME.
  5. Turn dial slowly to the RIGHT until it stops.

## **To Lock**

Turn dial to the LEFT at least five full revolutions. FOR ANY OTHER LOCK PLEASE CONTACT VSI OR LOCK MANUFACTURER'S WEBSITE FOR INSTRUCTIONS.

<http://www.lagard.com>

<http://www.sglocks.com/index2.php>

<http://www.worldclasslocks.com/contactus.htm>

<http://www.kabamas.com/a.php?page=home>

## Changing to a New Combination

- Make up a new combination, selecting 4 numbers of your own choosing.
- DO NOT use numbers between 0 and 20 for your last number (e.g. 79-46-82-13).
- For maximum security, DO NOT use numbers ending in 0 or 5 and DO NOT use numbers in a rising or falling sequence. (e.g. 25-30-50-75 is not as good a combination as 87-54-38-72).

## Steps to Change Combination

1. Using the changing index, dial the existing combination as explained in steps 1-5 in the previous section "Unlocking a factory setting".
2. Hold the dial with the last number at the index and insert changing key in the key hole in the back of the lock (see Fig. 2).
3. Turn the key one quarter turn to the LEFT (see Fig. 3) with the changing key in this position, turn the dial to the RIGHT, stopping when the first numbers of the new combination aligns with the changing index, the fifth time.
4. Turn the dial to the LEFT, stopping when the second number is aligned with the changing index, the fourth time.
5. Turn the dial to the RIGHT, stopping when the third number is aligned with the changing index, the third time.
6. Turn the dial to the LEFT, stopping when the fourth number is aligned with the changing index the second time, holding the dial in this position, turn the changing key back to the RIGHT and remove it (See Fig 4).

The new combination you have chosen is now in the lock.

Before closing the door, try the new combination several time, using the opening index.  
**WARNING:** Never insert the changing key in the lock when the cover is removed.  
Always be certain that the wing of the hanging key is entirely within the lock (Fig.2) before turning key.

If an error has been made in setting the new combination, we suggest that an accredited locksmith be called.

## **Time Lock with Release Feature**

This device is made up of multiple time clocks. Each time clock needs to be set for the number of hours and minutes you want the door to remain locked. This time is based on a 24 hour, day. For example, if you are closing up at 6PM and want to open at 8AM the following morning, you will set each clock for 14 hours. If you want to open the following day simply add 24 hours and set the clocks for 38 hours. To set the time, use the wind key. Consult "Time of Winding" chart to determine winding hours.

You should have a second party check your settings.

Once you have set the time on each movement press the activation lever to engage lock, this engages the clocks.

If you need to reset the time, simply move the activation lever and use the wind key to adjust the number of hours. Make sure that the lever is then reactivated.

This device, when activated, will prevent the door from opening for the number of hours the time is set for. Each movement is independent and multiple movements are provided for redundancy. This means that the time lock will release when the first movement reaches the time set.

When the first movement reaches the time set the door can be opened.

## **Day Lock**

This device is designed for use after the door is opened and the locking bar is in the open position. Simply press the lock and the locking bar will be held in the open position. The purpose of this is to prevent someone locking employees in the vault. The door will close but the locking bar will not engage. This also prevents someone from closing the door with the locking bar in the locked position, which will damage the door.

When you are locking the door, simply unlock the Day Lock using the key provided.

## Diagram of Inside Vault Door Panel



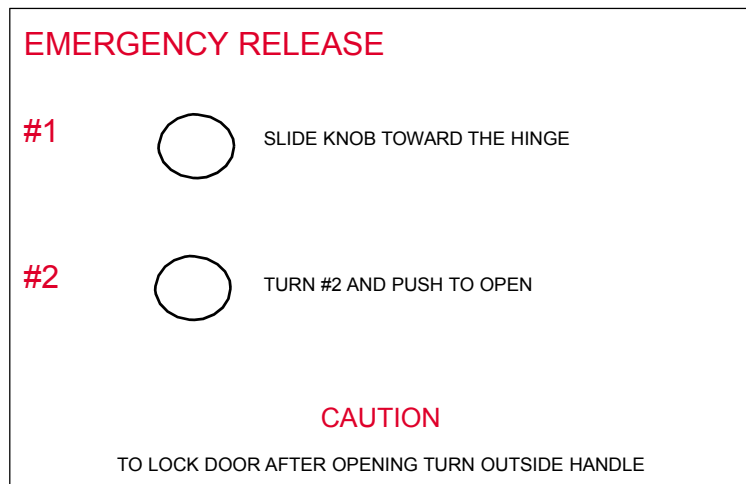
## Emergency Vault Ventilator with Pass Through

This device is designed to help protect anyone locked in the vault. To operate, simply press the button marked "Fan" and fresh air will flow from outside the vault. If the person locked in the vault has communicated with someone outside the vault and needs medications or food/drink a pass through is provided behind the fan. Simply press the fan door and it will open revealing the pass through. To close the door simply press it closed.

## Optional Emergency Inside Release

If the door is equipped with this device instructions are printed on the door. To operate, two round knobs are provided. Simply turn each in the direction indicated on the knob and the locking bar will open.

Label on inside of door.



### **Optional In Door Telephone**

If the door is equipped with a phone it is located behind the service door. It is important that the call bell has been muted so if the number is called in error the nighttime alarm will not be set off. The phone can be used like any phone with the limits set by the institution.

### **Optional Alarm Button**

If the door is equipped with this device, it is marked "Alarm" and when activated will send a signal to the institution's alarm monitoring station.

### **Opening Procedures**

1. Operate combination lock(s) to open
2. Turn round handle, open door slowly, let it rest against door stop
3. Verify that locking bar is retracted
4. Engage Day lock

### **Closing Procedures**

1. Verify that all have left vault, turn off lights
2. Close day gate.
3. Set time locks for the desired number of hours to open. Have second party check.
4. Engage time locks
5. Dis-engage day lock
6. Close vault door slowly
7. Turn handle until locking bolt is engaged, check both manually and visually, that the door is actually closed into the opening.
8. Clear combination locks by rotating dial five times counterclockwise.