

## Installation Instructions

Thank you for purchasing the *TriTeg FreshIQ* lock kit. Your package should contain the following components:

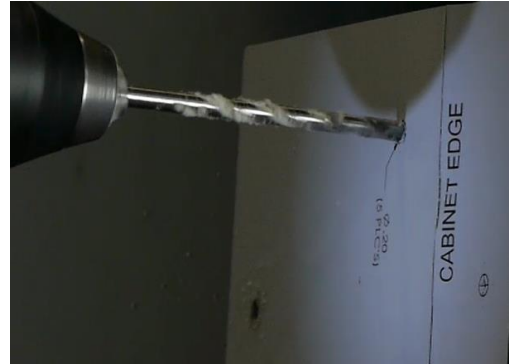


There are a few tools required to install *FreshIQ* lock:

- Electric drill
- ¼ inch driver
- 5/16 inch driver
- 13/64 inch drill bit
- ½ inch drill bit
- Long neck pliers
- Fish tape
- ¼ inch drill bit
- Screw driver
- Small Allen wrench
- Small hammer
- Torx bit T-20
- P1 key

To start the installation, the unit should be cleared of any contents.

**1. Apply the provided template on desired position making sure to align it with the cabinet edge and, 13/64 inch drill bit drill through the door at the markings.**



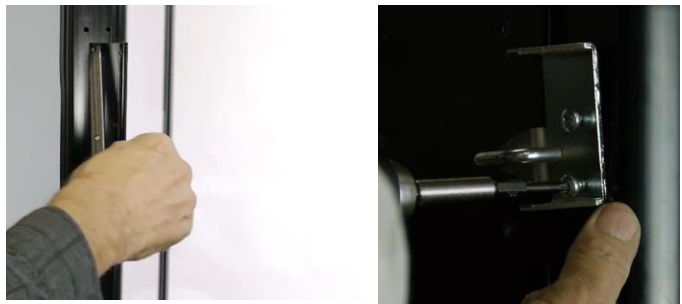
**2. Use the 1/4 inch bit to enlarge the interior holes.**



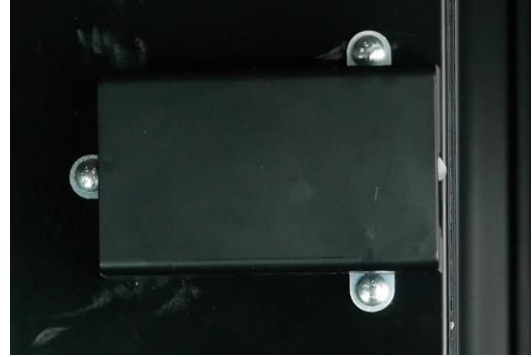
**3. Remove the original rivets and remove the door handle using long neck pliers.**



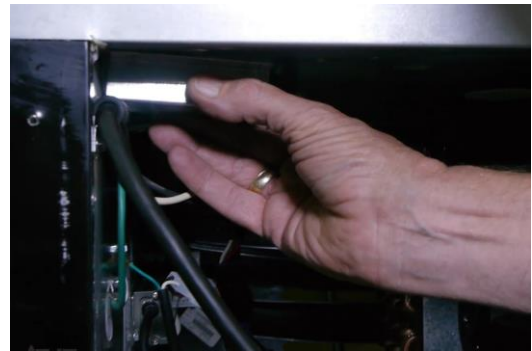
**4. Attach the door bracket using the mounting plate from the kit.  
Re-attach the door handle using the new rivets from the kit.**



**5. Bolt lock to the cooler.**



**6. To install the temperature probe, at the wire plenum on the RHS of the cooler, remove the wire cover and clear a hole through the insulating putty.**



**7. Detach light cover and evaporator cover. Retrieve the temperature probe using the fish tape and attach to the fan unit.**



**8. Replace the existing thermostat**

**9. Re-attach the light cover and evaporator**



Install the thermostat with the part number:  
**3042988**



**10. Remove the front panel and connect the controller deck assembly.**



**11. Connect the 9 volt battery.**



**12. Pull the power cable through the back grill.**



**13. Cut and apply the conduit cover to the side of the machine.**



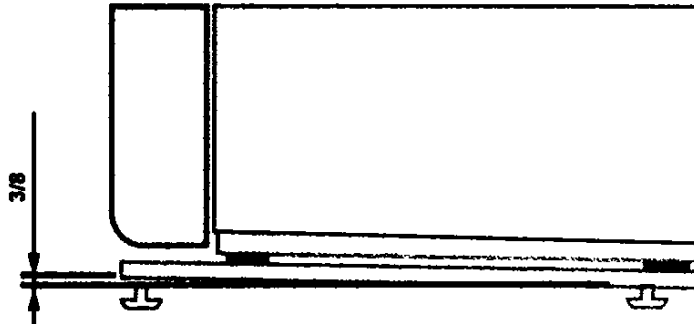
**14. Connect the harness to the lock.**



**15. Drill through the 1<sup>st</sup> opening of the front grill, 8¼ inches from the right edge. This hole should be large enough to fit a finger to reach the test button.**



***Level the cooler slightly tilted backwards. The front leveling legs should be at least 3/8" ( 1 cm ) higher than the rear ones. This will help to close the door properly and that the refrigerated products do not fall in case of strong door slamming***



## Testing the FreshIQ lock

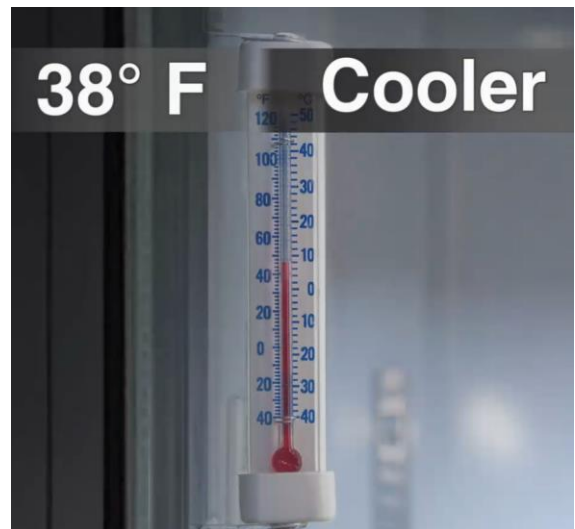
**1. Upon power –up, if the red LED is flashing, unlock it with the P1 key.**

Always check the LED before unlocking. If it is blinking, then a temperature fault was triggered and the cooler must be serviced.

If the LED is not flashing and the door is locked, then the cooler operation is normal and no service is required, the door was locked with a key for security purposes.



**2. Turn on the compressor and set the thermostat to position 7<sup>1/2</sup> and confirm that the temperature falls to approximately 38°F.**



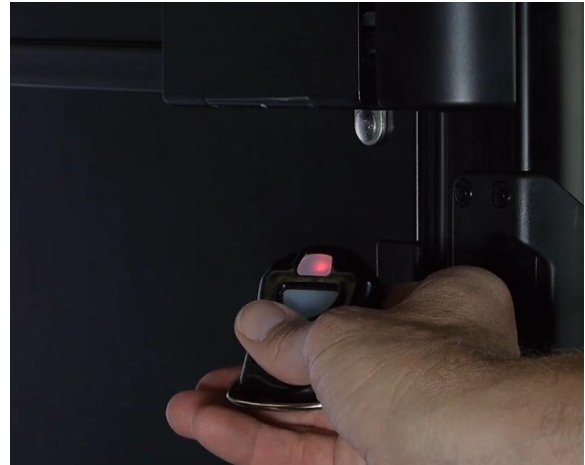
**3. Once the machine is operational and is maintaining the desired temperature, press the TEST switch for 10 seconds.**

The door should be locked and the red LED should be flashing.



**4. If the key is pressed, the lock will reset to “unlocked” state.**

The key can be used to lock and unlock the door independent of the temperature monitor function.



When restocking the unit always limit the time the door is open to a couple minutes, or else the cooler temperature cannot recover to 41° F and inadvertent locking event will take place after 15 minutes. After restocking the unit with new product, using the **TriTeq** key to lock and unlock the machine, will provide additional 15 minutes time for the unit to cool down and avoid locking.

**5. Unplug the controller to demonstrate a loss of power condition and wait 90 seconds.**

During a loss of power for more than 60 seconds, the door will lock.

wait about 90 seconds





**6. Plug in the controller.**

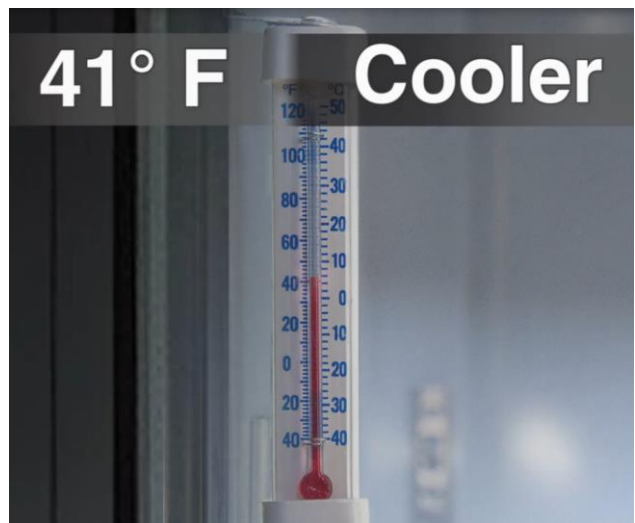
If AC power is restored before the unit exceeds the temperature limit, the door will be unlocked without using the key.



**7. Turn off the compressor and open the refrigerator door allowing the temperature to rise above 41°F. Wait about 20 minutes. This will demonstrate the temperature control locking function.**

The door will be locked and the red led will flash if the temperature exceeds the upper limits for more than 15 minutes. You can use the key to unlock the unit.

**Turn the compressor switch back on and the unit is ready for service.**



## Programming the keys to the FreshIQ lock

**1. Before the programming can begin, the unit must first be locked and unlocked by a valid key.**

Programming in a new key code will erase the previous key code from the same color key



**2. Press and hold the program button until the green LED illuminates.**



**3. Point the selected key at the receiver and press the center button.**

The lock will accept two key codes, one from a black route key and one from either a blue or red zone key. You can get as many keys either keyed alike or keyed different to suite your specific needs.



## Lock Malfunction/Troubleshooting:

Problem or condition:	LED light indicator	Problem details	Possible reasons & solutions:
Door Locked	Red light flashing	Key unlocks door and door stays unlocked	No power to cooler.
			Fault with refrigeration system. Use key to unlock and check for food spoilage. Check for lack of refrigeration.
			Investigate if customers or route driver is leaving door open too long during product selection or during refilling cooler.
			Check if temperature probe is failed or disconnected.
Door Locked	Red light flashing	Key unlocks door for 10 seconds but door re-locks red light flashes	Check if temperature probe is failed.
			Check if electronics or wire harness is faulty.
			Check if test switch is broken, stuck in, or faulty.
Door Locked		Key does not unlock door	Check location key is pointing at lock.
			Check proper key is being used.
			Check if battery in key is low.
			Check power to lock is 9-14 volts or if wire harness is faulty.
			Check power to lock is 9-14 volts or if wire harness is faulty.
Check if lock is failed.			

Door Unlocked	No flashing	Test switch pressed for 10 seconds but door does not lock	If red LED is not flashing, check test switch is not faulty.
			If red LED is not flashing, check power to electronics is not faulty.
			If red LED is not flashing, check electronics or wire harness is faulty.
			If red LED is flashing, check that door strike is not properly aligned or mounted properly to enter or reach into the lock mechanism.
Door Locked	No red light flashing	Fault or no fault?	This likely is not a fault, door was probably locked intentionally by electronic key. Use key to unlock door. After 20 seconds, confirm door remains unlocked. If door does not remain unlocked, continue troubleshooting.

The **FreshIQ** lock comes pre-programmed to the P1 factory key code. All locks should be programmed to key codes exclusive to your company with keys you purchase from **TriTeq**.

**AutoTraq® key**

- Unique code
- Can not be copied
- Low battery indicator



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