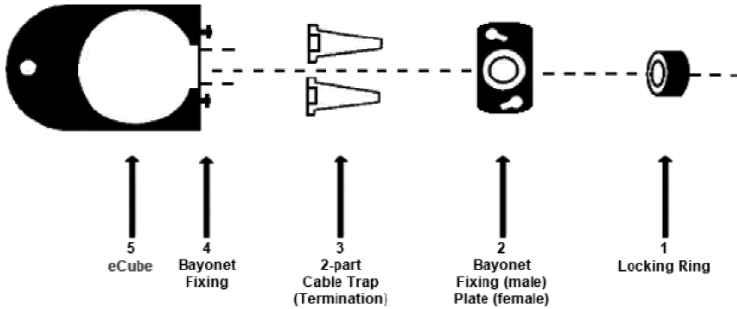


# eCube Fitting Guide - EC101

Suitable for fridges and freezers, the eCube is designed to mimic refrigerated product by covering the control probe/s of a refrigerator and prevent fluctuating air temperatures from spontaneously starting the machine. The eCube's inner enclosure contains a high grade, non-toxic, microcrystalline wax enclosed in a plastic casing. The eCube's design allows refrigerator to run as the product temperature requires it.

## Positioning of the eCube

The positioning of the eCube should be in the air-return, or in the same position as the existing sensor.



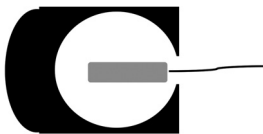
## Fitting Instructions

1. Thread sensor and cable through locking ring 1.
2. Thread bayonet fixing plate 2 as A (hollow side of plate to left-hand side.)
3. Place two-part cable termination 3 on both sides of cable approximately 1cm from the probe.
4. Slide forward bayonet fixing plate 2 over two-part cable termination 3 and lock with locking ring 1.
5. Push sensor probe into recess inside the eCube.
6. Lock the assembly onto the eCube bayonet fixing 4.
7. Replace the sensor encased in the eCube where the thermostat was originally positioned.
8. The refrigeration engineer should decide whether the eCube should be affixed with a screw.
9. After 20-30 minutes check unit temperature has pulled down and adjust set point up by 1-2 oC if running colder than previously (remember you are now reading eCube temperature).

Note: It is recommended that the eCube is fitted by a refrigeration engineer.

## General

If a system has more than one control sensor, an eCube should be fitted to each. Never fit an eCube to a defrost probe.



Single cavity cube: sensor should locate in the centre of the wax cavity.

## VERY IMPORTANT

After an eCube has been fitted, longer 'on cycles' will typically lead to colder product temperatures. It is recommended that you adjust the system 'set point' up by at least 1°C in order to prevent it from working harder than required. If you have a digital microprocessor, check the temperature of your fridge or freezer a few hours after fitting to see what adjustment can be made.

**WE DO NOT RECOMMEND THAT THE ECUBE IS FITTED TO ANY THERMOSTAT IN DIRECT CONTACT WITH THE EVAPORATOR. THE ECUBE SHOULD NOT BE FITTED TO BLAST CHILLERS, ICE MAKERS OR DOMESTIC REFRIGERATORS.**

Please call +44 (0)208 500 5033 if you have any questions or go to [www.theecube.com](http://www.theecube.com)  
NSF Protocol P235 Temperature Mimicking Sensors Temperature Mimicking Sensors are not intended to monitor the air. Temperature of the refrigerated location in which they are being used. ie. you now will be measuring product temperature.