JMM VISION PTE .LTD.
Registration No. 201704239Z

7 Temasek Boulevard, #12-07
Suntec Tower One, Singapore 038987

Tel: (65) 6291 5246
Email: enquiries@jmmvision.com

ENDOCUBE FITTING INSTRUCTIONS

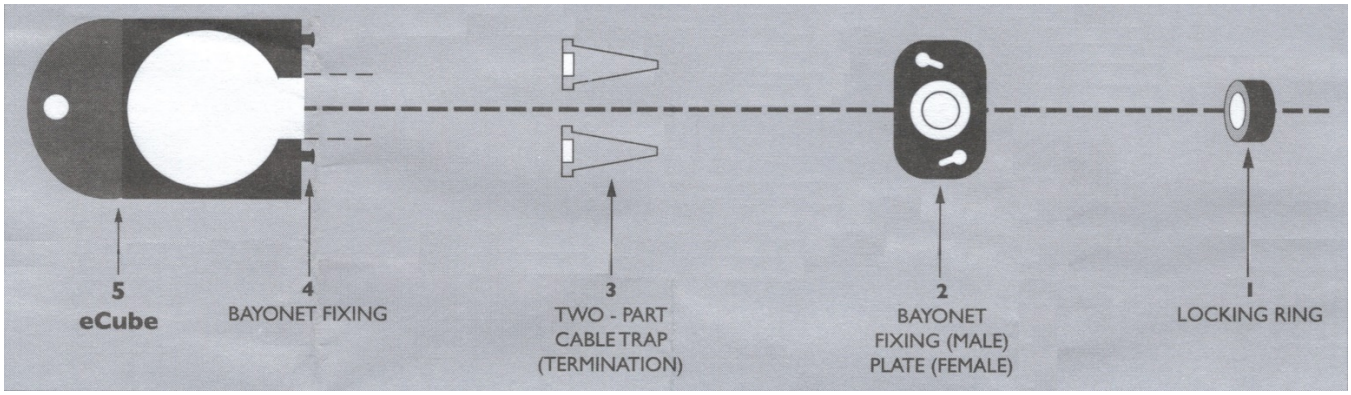
The Cube is designed to monitor the refrigeration performance in relation to the refrigerated stored food, whilst smoothing out air temperature irregularities.

The construction of the Cube is an inner enclosure containing a high grade, safe food substitute inside an outer enclosure that forms an air barrier within.

FITTING INSTRUCTIONS FOR THE ENDOCUBE

Installation
Warning: SHOULD BE FITTED BY A QUALIFIED REFRIGERATION TECHNICIAN

To fit the Endocube:



- Pre-drill a hole slightly smaller than sensor diameter in food simulant in-between Bayonet Fixing 4. (use excess wax as a bung to seal in sensor)
- Thread sensor and cable through locking ring 1.
- Thread Bayonet fixing plate 2 (hollow side of plate to left-hand side)
- Place two-part cable termination 3. on both sides of cable approximately 10mm from the probe.
- Slide forward Bayonet fixing plate 2. over two-part cable termination 3. and lock with locking ring 1.
- Push sensor probe into recess inside the Cube.
- Lock the assembly onto the Cube bayonet fixing 4.

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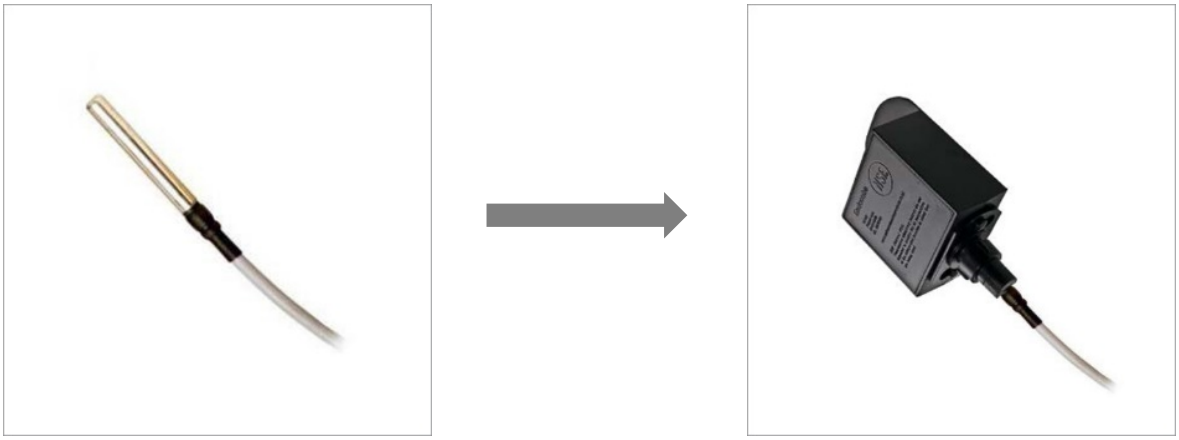
After fitting the Endocube:

- On the controller, lower the temperature difference (or hysteresis) between compressor cut-in and cut-out temperature down to 0.5 to 0.8K.
- After monitoring the temperature of food, you may increase room temperature set-point by 1 or 1.5K higher. This is due that the cold air produced inside the cold room is often colder that the product temperature being chilled. So that now we directly controlled the food temperature, we may rise the set point to compensate the temperature difference. This is easily checked throughout the test by constantly measuring the air and the food temperature using another Endocube as dummy.

General:

- The Cube can only be fitted if the thermostat is an air temperature ranged thermostat.
- The Cube can be fitted to sensors of refrigeration temperature monitors to give an equivalent food temperature.
- The Cube cannot be fitted to an evaporator-clamped thermostat (it should be changed to a suitable air temperature range thermostat). Do not fit a Cube to a defrost probe without proper advice (Otherwise please contact us by email at enquiries@jmmvision.com).
- If there is a separate thermometer and thermostat, fit a Cube to the thermostat and a Cube to the thermometer.
- No benefit will be obtained from the Cube either for temperature monitoring or energy saving if the equipment is inadequate, in a poor condition, badly sited or the air flow around the condenser is insufficient.



Before *After*