

USAT COOLERMISER – CM170

This guide covers the major features of this product - it does not cover all of the available functions. This guide is not intended to replace the original equipment manual. Please refer to the manual for more detailed operating instructions and safety information.

EQUIPMENT DESCRIPTION

The CoolerMiser CM170 [1] is an energy saving device for glass-front refrigerated coolers. It uses a Passive Infrared Sensor (PIR) to power down the machine when the area surrounding it has been vacant for 15 minutes. Room temperature is monitored, and the machine is automatically keeps the product at an appropriate temperature.

The CoolerMiser should not be used on machines containing perishable products (e.g. milk).

A CoolerMiser Slave Unit can also be purchased that allows additional coolers (up to four) to be controlled using a single PIR.



Figure 1: CoolerMiser CM170

INSTALLATION

1. Unplug the cooler from the wall
2. Wipe down the back of the cooler where the CoolerMiser will be installed [2]



Figure 2: Cleaning back of cooler for CoolerMiser installation

3. The CoolerMiser will be placed at the top of the rear of the cooler. Remove the white backing covering the adhesive and position it in the desired location [3]. Press firmly to be certain the adhesive has set.

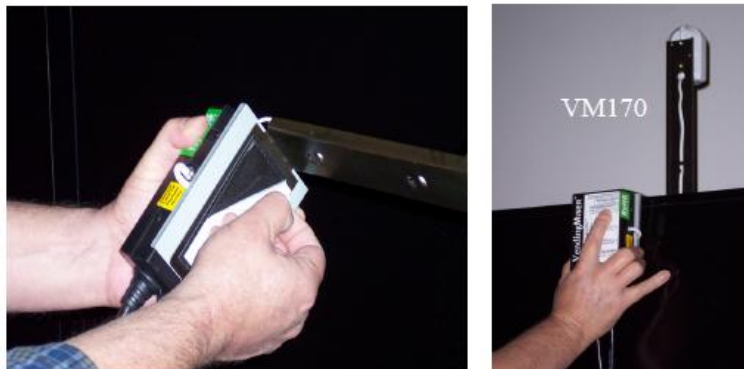


Figure 3: Installing CoolerMiser

4. Plug the cooler power cord into the CoolerMiser, and then plug the CoolerMiser into the same outlet that the cooler was originally plugged into
 - a. The cooler should power up immediately.
 - b. The green LED [4] on the CoolerMiser should flash twice to indicate the temperature sensor is functioning
 - c. The amber LED [4] should turn on as the CoolerMiser attempts to synchronize with the cooler compressor. This will remain on until the cooler compressor has gone through one full cycle.
 - d. The red LED [4] should come on to indicate occupancy detection

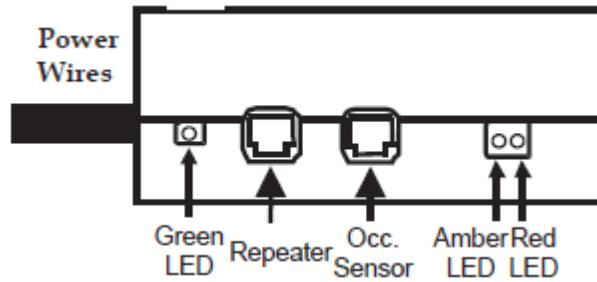


Figure 4: LEDs and Connectors on CoolerMiser. The Repeater port will not be used in a basic installation

5. The PIR should be tested (after allowing it to stabilize for several minutes) to ensure it is capable of detecting someone approaching the machine from all useable angles. The light on the PIR will flash when it detects motion within its field of view, and the red LED on the CoolerMiser will flash 3 seconds later.
6. The first time the CoolerMiser is installed, it will not power down the cooler until the compressor has completed three full cycles to allow the CoolerMiser to learn the compressor operation. Following this initial shut down, the CoolerMiser will resume its normal 15 minute delay before shutting down.
7. If the CoolerMiser is flashing all three LEDs, the PIR sensor is lit then the CoolerMiser has failed.