

USAT SNACK MISER – SM170

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 SnackMiser SM170 [1] is an energy saving device for non-refrigerated vending machines. It uses a Passive Infrared Sensor (PIR) to power down the machine when the area surrounding it has been vacant for 15 minutes (adjustable using Timeout Switches).

The SnackMiser should not be used on machines containing refrigerated products.

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



Figure 1: SnackMiser SM170

INSTALLATION

1. Unplug the vending machine from the wall
2. Wipe down the back of the vending machine where the SnackMiser will be installed [2]



Figure 2: Cleaning back of vending machine for SnackMiser installation

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

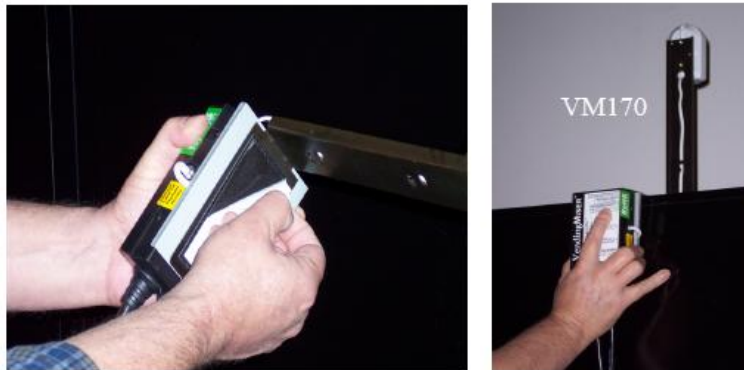


Figure 3: Installing SnackMiser

4. Set the Timeout Switches [4] to the desired level using the switch diagram shown in Figure [4]. This setting controls the length of time that the sensor must go without detecting occupancy before shutting down the vending machine. Shorter time periods will result in greater power savings.

Switch Settings	
↑↑↑	= 3 Seconds
↑↑↓	= 2 Hours
↑↓↑	= 3 Hours
↑↓↓	= 1 Hour
↓↑↑	= 25 Minutes*
↓↑↓	= 15 Minutes*
↓↓↑	= 25 Minutes
↓↓↓	= 15 Minutes

First Timeout after power up is 30 seconds except *

Figure 4: Timeout Switch Settings

5. Plug the vending machine power cord into the SnackMiser, and then plug the SnackMiser into the same outlet that the vending machine was originally plugged into
 - a. The vending machine should power up immediately.
 - b. The green LED [5] on the SnackMiser should flash twice to indicate the SnackMiser is functional.
 - c. The green LED [5] will be on solid to indicate that occupancy has been detected.
 - d. The green LED [5] will indicate that no occupancy is detected by flashing off every few seconds.

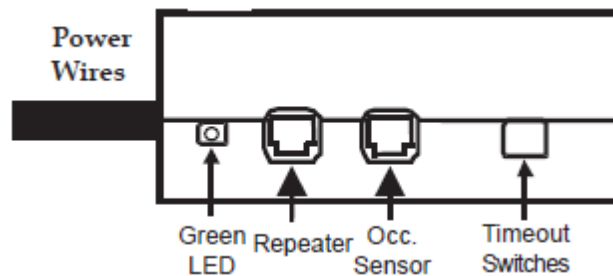


Figure 5: LEDs and Connectors on SnackMiser. The Repeater port will not be used in a basic installation

6. 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 green light on the PIR will flash when it detects motion within its field of view.
7. The first time the SnackMiser is installed, it will power down the vending machine after the occupancy sensor has not detected motion for a period of 30 seconds (except for the two Timeout Switch settings indicated in Figure [4]). The PIR can be covered to test this. Following this initial shut down, the SnackMiser will resume its normal 15 minute delay (or as set by the Timeout Switches) before shutting down.