

## **SENSIT II SYSTEM THEORY OF OPERATION**

1. The Sensit II system is comprised of three elements; the emitter, the detector, and the control logic. The emitter is a circuit board with infra-red emitting LED's located on one side of the hopper. On the opposite side of the hopper is a circuit board with infra-red detectors that measure the intensity of the light. The emitter, the detector and the control board controls the performance of the vending operation.
2. When a selection is made, the vend motor will begin to run. After several seconds, if no product falls in the hopper, the motor will be stopped, the credit will be maintained and the customer will be directed to "PLEASE MAKE ANOTHER SELECTION."
3. When the controller measures a variation in the light intensity during the vend cycle, it recognizes that a product has fallen through the light into the hopper. The controller stops the vend motor and removes the credit.
4. When the vendor is serviced with the door open, the protective lens on the detector can become fogged up, particularly in hot or humid locations. In these cases, the vendor will display "SENSIT BLOCKED – UNABLE TO VEND" until the fogging has cleared, usually within a minute after closing the door.