



Customer Information

Model MSV10 V2.0

Heating & Cooling System Monitor



CASEY computer with attached air sensors

CONGRATULATIONS

... on acquiring the "Casey" Heating & Cooling System Monitor.

Using the latest microcomputer technology, Casey was specifically designed to protect your heating & air conditioning investment. It features constant condition checking to make sure your system is operating at peak performance to save you energy dollars, maximize your equipment life and maintain the comfort of your home.

FEATURES

- As a small, highly specialized computer, it constantly analyzes information received from precision air measurement sensors and your system's thermostat.
- Automatically sends an alert report when your heating and cooling system is not operating at designated specifications.
- Automatically sends an alert report if the temperature in your home becomes too hot or too cold.
- Automatically sends an alert report when you have a power outage longer than one hour and sends another report when power is restored.

- Automatically sends a monthly check-in report to confirm Casey's operating correctly.
- Back-up battery provides energy to send an electrical outage report.
- Underwriters Laboratories approved electrical components.
- Low voltage operation uses less electricity than a 10W bulb.
- Designed for use with your existing phone line. It causes minimal phone interruption as it does not disrupt ongoing phone conversations; or phone line use by a personal computer modem or an answering machine.
- Does not alter the operation or warranty of your air conditioner, furnace or heat pump system.
- Complies with part 68 of the Federal Communication Commission regulations.

CASEY OPERATION

How the Casey Works

- Casey automatically checks your heating and air conditioning system every time it cycles on.
- Air sensors constantly send detailed information about temperature, relative humidity and airflow to the Casey computer.
- Casey then compares the information it receives with the standards set for your home.
- Casey checks and rechecks your system thousands of time during the year to determine if deteriorating operation is:
 - Wasting your energy dollars.
 - Jeopardizing your heating and cooling equipment.
 - Reducing your comfort.

How the Casey Helps Maintain Your Home

- Each month a report is sent to your service company to verify that your system and Casey are working correctly.
- When Casey calculates that your system is running at less than peak efficiency, its built-in modem quickly transmits a diagnostic alert report to your heating & cooling company's service manager for review.
- If the alert report indicates it's necessary, a service call can be scheduled before a problem becomes an emergency. Service calls can be avoided when the problem reported is minor, such as a dirty air filter that you can easily clean or replace yourself.

How Casey Works with your Telephone

- Casey can detect when your phone line is in use. When it needs to send an alert report and your phone line is in use, it waits until the line is clear before transmitting.
- To transmit an alert report, the Casey uses your telephone line for less than one minute while transmitting data to the central monitoring station.
- Casey calls a toll free 800 number to connect to the central monitoring station.
- Your service company receives an alert report within four minutes of the Casey detecting a problem (if your phone line is not busy).
- If you pick up the phone while the Casey's sending a report, you may briefly hear a clicking noise as the modem is dialing out or a modem "screech" sound while transmitting data to the central monitoring station.

Why You Need the Casey

- Like a warning light in your car, early problem reporting by the Casey prevents equipment damage, wasteful energy usage and unexpected loss of comfort.
- Casey helps protect your home from damage due to extreme temperature from system outage.
- Casey provides emergency notification of malfunctioning heating & cooling equipment, even when you're away from home.

Casey and routine system servicing

- Also like your car, your heating and cooling systems needs routine maintenance. Your service company's regular system servicing works with the Casey to keep you comfortable and save you money.
- For additional answers about maintaining your system with Casey, please contact your heating and cooling service company.

Why didn't Casey report a problem?

- The most likely reason is that your phone was in use when Casey tried to send an alert report. Instead of interrupting your call, Casey waits until the line is no longer busy before transmitting.
- Your thermostat could be malfunctioning. Casey must have information from your thermostat to determine if your system is operating incorrectly. However, even if your thermostat's not working, Casey always sends an alert report if your home's air exceeds the minimum & maximum temperature settings.



- Power may be off to your house or just to the heating & cooling system itself. When any electrical outage occurs, Casey waits one hour before sending a power outage report.
- Your heating & cooling service company's fax machine may have been busy or out of paper. Casey will repeatedly try connecting with their fax machine until it actually receives the report.
- Casey calibration may need to be adjusted. Some customers are sensitive to temperature changes that are too small to cause Casey to send an alert report. If think this is the case, your technician can tighten up Casey's monitoring range.

LIMITED WARRANTY:

Except as noted in the Exclusion Section herein, the parts of this product are warranted against defects in material or workmanship under normal use and maintenance (a) for a period of one (1) year from the date of installation or (b) for a period of fifteen (15) months from date of manufacture if the installation date cannot be verified.

Exclusions:

This warranty does not include any service or labor charges with the determination or replacement of defective parts. Our obligation is limited to the exchange of items as specifically provided herein. The expressed warranties contained herein are in lieu of all other warranties. Consequential or incidental damages for the breach of any warranty whether expressed or implied, including but not limited to extra utility expenses or losses to persons or property arising out of the failure of this equipment to operation for any reason are excluded. Some States (Provinces in Canada) do not allow limitations on how long an implied warranty lasts or the

exclusions of consequential or incidental damages, so the above limitations and exclusions may not apply to you. This warranty gives you specific rights and you may also have other rights, which may vary from state to state.

IMPORTANT INFORMATION

1. This equipment complies with Part 68 of the FCC Rules. On the bottom of this equipment is a label that contains, among other things, the FCC registration number and Ringer Equivalence Number (REN) for this equipment. If requested, provide this information to the telephone company.
2. The registration jack USCO for the equipment is RJ11.
3. The REN is useful to determine the quantity of devices that may be connected to the telephone line. Excessive RENs on the telephone line may result in the devices not ringing in response to any incoming call. In most, but not all areas, the sum of RENs of all devices should not exceed five (5). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact the local phone company.
4. If Casey causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuation of services may be required. But if advance notice isn't practical, you will be notified as soon as possible. You will be advised of your right to file a complaint with the FCC if you believe it is necessary.
5. Your telephone company may make changes in its facilities, equipment, operations, or procedures that could affect the operation of your equipment. If they do, you will be given advance notice so as to give you an opportunity to maintain uninterrupted service.
6. If you experience trouble with Casey, please first contact your installing contractor. If necessary



the manufacturer, SmartWay Solutions, Inc., can be contacted at (919) 688-6610 for repair/warranty information. If your equipment is causing harm to the telephone network, the telephone company may request that you disconnect the equipment until the problem is resolved.

7. This equipment is designed to be connected to the telephone network or premises wiring using a compatible modular jack, which is Part 68 compliant. See instructions for details.
8. This equipment may not be used on public coin service provided by the telephone company. Connection to party lines is subject to state tariffs. (Contact your state public utility commission or corporation commission for information.)

Should you have any questions about the operation of the CASEY monitor or your system in general, please contact your heating and cooling contractor.

Manufactured by:



SMARTWAY SOLUTIONS, INC.
1309 Dealers Avenue, New Orleans, LA 70123
Complies with FCC Part 68 Rules 5ESUSA-31306-DT-R REN:0.3B