



HOMESENSE ELECTRIC STOVE SENSER - HSE UniWire
 Operating & Installation Instructions for Three-Wire and Four-Wire Connection

- Package Includes:
 > HomeSense UniWire Unit
 > Parts Kit

WHAT IS IT?

HomeSense is a small, electrical device which attaches to your stove to disconnect the stove if left unattended too long while cooking. HomeSense will attract your attention to the unattended stove with flashing lights and audible alerts. If the stove continues to be unattended, HomeSense will disconnect power to the stove.

HOW DOES IT WORK?

HomeSense works by sensing both the state of the stove controls (whether the stove top or oven are turned on) and if a person is attending the stove while it is turned on. Because the HomeSense runs on its own internal timer, the stove's timing functions, such as its clock and baking timer, may not function normally.

The HomeSense performs four distinct stages of operation:

STAGE 1: READY

During the 'Ready Stage,' the stove is off, power is connected, and the green display light is on.

STAGE 2: NORMAL COOKING

During 'Normal Cooking,' the stove is turned on, power is connected, the display light glows yellow, and the HomeSense timer begins counting down six minutes. The timer resets as long as someone enters the stove sensor's field of vision. If you turn the stove off, HomeSense returns to 'Ready Stage' and the display light flashes yellow as a safety backup. (See Special Features for more detailed explanation.) This continues for up to six minutes then the light glows green. You can resume cooking at any time during this six minutes. If you do not return to the sensor's field of vision and the timer's six minutes pass, HomeSense proceeds to the third stage, 'Warning.'

STAGE 3: WARNING

During the 2 minute 'Warning stage', the stove is still operating, but the display begins to flash red and the alert beeps. If you do not attend to the stove within 1 minute, the red light continues to flash and the alert beeps every 10 seconds for another minute. If you return to the front of the stove during the 'Warning stage', the red display light stops flashing, the alert stops beeping and normal cooking resumes. If you turn off the stove, HomeSenser will return to 'Ready Stage,' and the display light returns to flashing yellow. (See Safety Backup below) However, if you do not attend to the stove within 2 minutes, the HomeSenser will move to the fourth stage, "Shut Down".

STAGE 4: SHUT DOWN

In the 'Shut Down' stage, the alert stops beeping, the display light turns solid red, and power is disconnected to the stove. The stove will not function in this stage. To restart cooking once the stove has shut down, you must manually turn all stove controls to the off position and stand in front of HomeSenser's remote sensor for at least three seconds. HomeSenser then returns to 'Ready Stage,' and the display light glows green. Normal cooking can resume.

Special Features

FLASHING YELLOW LIGHT

1. CYCLING - During normal operation, cooking temperature and electric current vary. When this occurs, the sensor light flashes yellow to indicate this change. It does NOT interfere with cooking.
2. SAFETY BACKUP - When you turn the stove off, the sensor light flashes yellow as a safety backup to verify that the stove has been manually turned off and is not in a cycling state. It takes up to 6 minutes then the light goes green. Normal cooking can resume anytime during the flashing yellow.

FLASHING RED LIGHT/WARNING STAGE w/o PRESENCE

When the stove is turned on and no presence is detected (i.e. a small child), the HomeSenser goes directly to the Warning Stage with flashing red lights and audible alerts. HomeSenser will shut down the stove in 2 minutes if no presence is detected. If the remote sensor is damaged or disconnected, the stove will NOT operate beyond the current cycle or warning state.

INTRODUCTION

This section gives step-by-step instructions to:

- > Prepare the stove for HomeSenser Installation
- > Connect your range cord to the HomeSenser Unit
- > Connect the Unit to the stove
- > Test the continuity of the ground connection
- > Mount HomeSenser Remote Sensor

IMPORTANT

Proper installation is necessary for the safe operation of HomeSenser. If you have any questions about these instructions, please have qualified personnel check the installation. If you are not qualified to perform this installation, consult a licensed electrician.

Package Includes:

- > HomeSenser Uniwire Unit

Specifications for use:

- > 120/240 VAC, single phase+ground
- > Up to 40 Amps
- > 0-25°C ambient operation, 95% humidity
- > Attendance Sensor – approximately 3 feet directly in front
- > Use copper connectors only.

Parts Kit Includes:

Identified by *__* in instructions.

- > Installation/Instruction Booklet
- > Operations Guide
- > Velcro – one piece for Remote Sensor
- > Adhesive clips for Remote Sensor cord
- > Round Metal Bushing for modification to stove mounting plate
- > Brass Jumper for 3-wire connection only
- > 4 Star-washer nuts
- > 3-wire cord restraint insert
- > 4-wire cord restraint with insert
- > Black plastic nut for cord restraint
- > 3 metal nuts and bolts for access cover

INSTALLATION INSTRUCTIONS

To install the HomeSenser, you will have to remove the range cord from the stove and connect it to the unit. Then connect the unit to the stove and test the ground connection continuity. PROPER INSTALLATION IS NECESSARY FOR THE SAFE OPERATION OF THE HOMESENSER. IT SHALL BE INSTALLED ACCORDING TO NATIONAL, STATE & CITY CODES.

STEP 1: PREPARE STOVE FOR HOMESENSER INSTALLATION

1. Turn off the circuit breaker to the stove.
2. Pull the stove out from the wall.
3. Unplug the stove from the wall outlet.
4. Remove access cover to stove terminal block.
5. Disconnect the range cord from the back of the stove.



STEP 2: CONNECT THE CORD TO THE UNIT

6. Turn the access cover on the right side of the unit so that you can see and reach the mounting posts. Do NOT try to remove main cover. This could cause electric shock as well as void your warranty.

3-WIRE CONNECTION: (3 prong range cord)

- a) To change the *white, round insert* in the cord restraint and install the *white, flat insert* for your 3-wire cord, unscrew cap, remove round insert and replace with flat insert. LOOSELY screw cap back on.
- b) Slide the ends of your range cord through the white insert in the cord restraint. Insert cord restraint into the round opening of the unit. From inside the unit, slide range wires through the *black plastic nut* and tighten nut to cord restraint.
- c) If your range cord has a 3 pronged plug and 3 wires, you will have to install the

Brass Jumper



- onto the **White/Neutral** metal post and the **Green/Ground** metal post.
- d) Since there is no **Green/Ground** wire, place a *star-washer nut* onto the post over the *Jumper* and tighten.
- e) Place the ring connector for the **Middle/Neutral** wire onto the **White/Neutral** metal terminal post. Place a *star-washer nut* onto the post and tighten.
- f) Place the ring connector of one of the outside wires to the **L1** metal terminal post and the other outside ring connector to the **L2** metal terminal post. Place *star-washer nut* onto the posts and tighten.
- g) Tighten cord restraint cap.

STEP 2: CONNECT THE CORD TO THE UNIT (continued)

4-WIRE CONNECTION: (4 prong range cord)

- a) Slide the ends of your range cord through the *white, round insert* in the cord restraint. Insert cord restraint into the round opening of the unit. From inside the unit, slide range wires through the *black plastic nut* and tighten nut to cord restraint.
- b) Place the ring connector for the **Red** wire onto the **L2** metal terminal post. Place a *star-washer nut* onto the post and tighten.
- c) Place the ring connector for the **White/Neutral** wire onto the **White/Neutral** metal terminal post. Place a *star-washer nut* onto the post and tighten.
- d) Place the ring connector for the **Ground/Green** wire onto the **Ground/Green** metal terminal post. Place a *star-washer nut* onto the post and tighten.
- e) Place the ring connector for the **Black** wire onto the **L1** metal terminal post. Place a *star-washer nut* onto the post and tighten.
- f) Tighten cord restraint cap.

7. Make certain that the wires are correctly connected. Tighten the nuts on each post and make sure that no bare wires are touching each other.
8. Replace the access cover and re-secure with the *metal nuts and bolts*.

STEP 3: CONNECT THE UNIT TO THE STOVE

9. Remove metal locking nut from threaded fitting. (See Figure 2 for location)
10. Slide the wires of the HomeSenser cord through the metal mounting plate on the back of the stove. If the hole in the plate is too large or rectangular, use the *round metal bushing* over the end of the threaded fitting to modify the opening for a secure fit. Then slide the metal locking nut over the wires and tighten onto the threaded fitting.
11. 3-WIRE CONNECTIONS: Connect HomeSenser's three color-coded wires (black and red on the outsides with the white in middle) to the back of the stove as shown in Figure 2. YOU WILL ALSO CONNECT THE GROUND/GREEN WIRE TO THE GREEN GROUNDING SCREW BELOW THE TERMINAL BLOCK. IF NO GREEN SCREW IS AVAILABLE, CONNECT TO THE NEUTRAL/WHITE TERMINAL.
12. 4-WIRE CONNECTIONS: Connect HomeSenser's four color-coded wires (green to ground, black and red on the outsides with white in the middle) to the back of the stove as shown in Figure 2.
13. Replace access cover to stove terminal block.

Now the HomeSenser unit is connected to the stove.

STEP 4: TEST CONTINUITY OF THE GROUND CONNECTION

14. Before plugging HomeSenser into an outlet, test the continuity of the ground connection. Use an acceptable testing device connected to the center pin of the plug and bare metal section of the appliance.
15. Plug the cord attached to the HomeSenser unit into wall outlet.

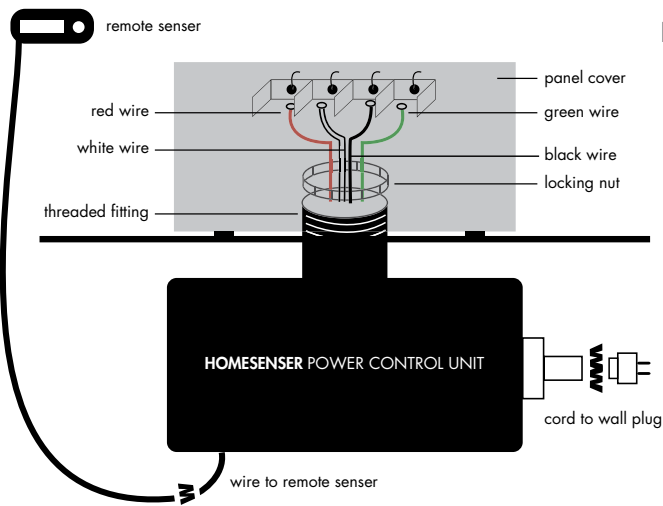


FIGURE 2

STEP 5: MOUNT HOMESENSER REMOTE SENSER

Before you push the stove back into place, make sure the HomeSense Remote Sensor cord is free to be mounted above the stove.

16. Push stove back into place.
17. Using the *Velcro*, mount the HomeSense Remote Sensor to a cabinet, range hood, microwave oven or wall about 18" to 24" above the stove top surface to provide an unobstructed view of the user and to protect the Remote Sensor from steam.
18. Secure the Remote Sensor cord by pushing it into the groove on the *adhesive clips* and attach to nearby cabinet/wall to allow a safe distance from cord to stove.
19. Turn on the circuit breaker to the stove.
20. The green display light of the Remote Sensor will flash while the unit is "powering up". When the display light is solid green, your HomeSense is operational.

STEP 6: TEST HOMESENSER

21. Using the HomeSense *Operations Guide*, test each burner and the oven to ensure proper functioning.

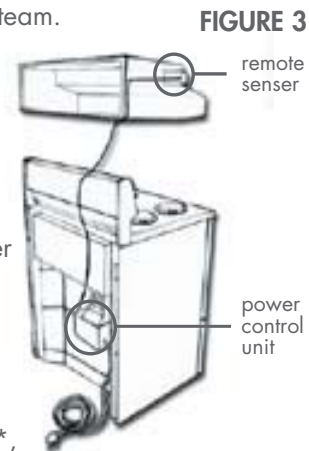


FIGURE 3

LIMITED WARRANTY

Statement of Warranty

HomeSense Enterprises, LLC ("Warrantor") warrants only to the original purchaser ("Buyer") that this HomeSense device sold by Warrantor (the "Product") will be free from defects in material and workmanship under normal intended use and service for one (1) year from the date of purchase. For use only with electric stoves or cooktops. If the Product fails to perform as warranted, Warrantor will repair or replace the Product, subject to the following conditions.

Obtaining Warranty Performance

Performance under this Warranty may be obtained only by delivering the Product claimed to be defective, freight and postage prepaid, in its original packaging or packaging which provides an equal degree of protection to Warrantor at the following address:

HSE, 463 Locust St., Akron, OH 44307

Buyer must provide its name, address and telephone number, evidence of date of purchase, serial number of the Product, and a statement of the complaint respecting the Products. Proof of purchase in the form of a bill of sale or receipted invoice which is evidence that the Product is within the warranty period must be presented to obtain warranty service.

Remedies

Any Product determined by Warrantor to be defective or nonconforming within the Warranty period shall be repaired or replaced, at Warrantor's discretion, at no charge to Buyer, and delivered to Buyer. The foregoing shall be Buyer's sole and exclusive remedy.

Exclusions from Coverage

This Warranty does not apply to, and Warrantor shall not be obligated to repair or replace Products which have been repaired by others, abused, improperly installed, maintained or operated, misapplied, connected to improper voltage supply, altered or otherwise misused, neglected or damaged in any way, whether due to acts of God, accident, negligence or otherwise, or other unusual deterioration or degradation of the Products or parts thereof due to physical environment beyond the requirements of Product specifications. THIS WARRANTY IS INVALID IF THE FACTORY APPLIED SERIAL NUMBER HAS BEEN ALTERED OR REMOVED FROM THIS PRODUCT OR THE MAIN COVER HAS BEEN OPENED.

Limitations

TO THE EXTENT PERMITTED BY LAW, THIS LIMITED WARRANTY IS EXCLUSIVE, IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING MERCHANT ABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IMPLIED WARRANTIES, IF ANY, ARISING BY OPERATION OF LAW ARE LIMITED IN DURATION TO THE TERM OF THIS LIMITED WARRANTY. WARRANTOR'S LIABILITIES ARE LIMITED SOLELY AND EXCLUSIVELY TO THE OBLIGATIONS SPECIFICALLY UNDERTAKEN HEREIN AND, EXCEPT TO THE EXTENT SPECIFICALLY PRECLUDED BY APPLICABLE LAW OF MANDATORY APPLICATION, DO NOT INCLUDE ANY LIABILITY FOR ANY INCIDENTAL, CONSEQUENTIAL OR OTHER DAMAGES OF ANY KIND WHATSOEVER, WHETHER ANY CLAIM IS BASED UPON THEORIES OF CONTRACT, NEGLIGENCE, TORT (INCLUDING STRICT LIABILITY) OR OTHERWISE. THIS WARRANTY IS MADE ONLY TO PURCHASER AND IS NOT TRANSFERABLE.

Some States do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This Limited Warranty gives you specific legal rights, and you may also have other rights which vary from State to State.

No employee, agent or other person is authorized by Warrantor to assume for it any liability in addition to that set forth above or to make any further warranties on behalf of the Warrantor.

For your convenience, Warrantor has established a telephone number for frequently asked questions. To locate a service facility, for service assistance or product information/operation, contact: HomeSense Enterprises, toll-free at 1-877-785-9901.

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