



ECHELON DIAMOND DIGITAL THERMOMETER

INSTALLER: Leave these instructions with consumer.
CONSUMER: Retain for future reference.



This digital thermometer is for replacement on an Echelon Diamond grill. To install, follow the steps below:

1. Be sure the grill is completely cool and the power to the grill is off.
2. Locate the old thermometer on the grill control panel between the knobs. Remove it from the grill by slightly sliding it to the left, then lifting the right side outward until it clears the control panel.

CAUTION: Remove carefully as the wire harnesses will still be attached to the back of the thermometer.

3. The wire harnesses will be taped together. CAREFULLY cut the tape.

Important: Take note of the way the harnesses are taped, as once the new thermometer is connected; the new harnesses will need to be similarly taped.

4. CAREFULLY pull apart the 3 wire harnesses at the connectors, as shown in Fig. 1-1.
5. Connect the new thermometer wire harnesses to the exposed wire harnesses coming out of the grill (see Fig. 1-1).

CAUTION: The wire harnesses must be properly connected. All 3 wire harnesses have differently sized or shaped connectors to ensure a proper install.

6. Ensure that all the wire harnesses are properly taped using high temperature electrical tape.
7. Carefully install the thermometer into the cutout on the control panel.

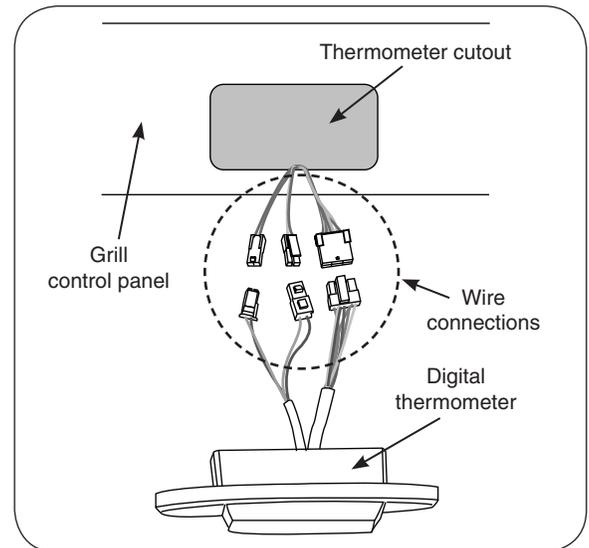


Fig. 1-1 Removing / connecting digital thermometer

OPERATION

Your grill comes with a digital thermometer for temperature monitoring and timed cooking. Pressing **any** button will turn on the thermometer. The thermometer will automatically shut off after 5 minutes of no temperature detection.

Note: The thermometer also controls the interior lights, and knob backlights. Thermometer shutdown will not shut off these lights; they must be manually shut off.

Plug in the meat probe on the right side of the control panel as shown in Fig. 2-1.

For best performance and temperature readings center the zone separators properly between each burner.

Read the following sections completely regarding thermometer operation. Refer to Fig. 2-2 for thermometer orientation and button locations.

Prior to initial use; calibrate the thermometer (following page). Whenever the master switch is turned off or the power supply is disconnected, allow 30 seconds for the thermometer to initialize the next time it is powered on.

DEFAULT SCREEN

Press any button to turn the thermometer On. The default screen will be displayed. All temperatures for the cooking zones and the meat probe will be shown (Fig. 2-3). See next page for options under the default screen.

Setting a Location Temperature

1. Press the up/down arrow to switch to the desired location (a cooking zone or the meat probe). Press **SET**.
2. The selected location's temperature screen will be displayed. Use the arrows to set the desired temp. The actual temp. will also be shown. (See Fig. 2-4.)

Note: PRESSING the arrows will adjust the desired temp. by increments of one. HOLDING them down (for several seconds) will adjust the temp. rapidly.

3. Press **SET** to return to the default screen. Repeat as necessary for all other locations.

The alarm will sound (if set to do so) when a location reaches its set temperature. The alarm is silenced by pressing any button on the thermometer.

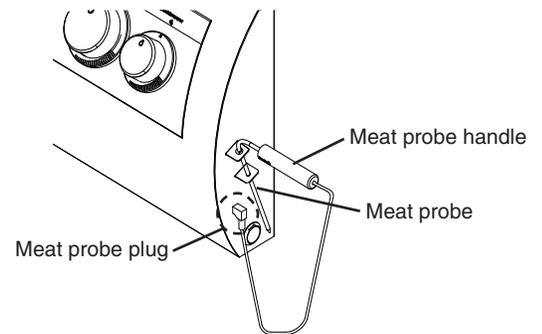


Fig. 2-1 Meat probe detail

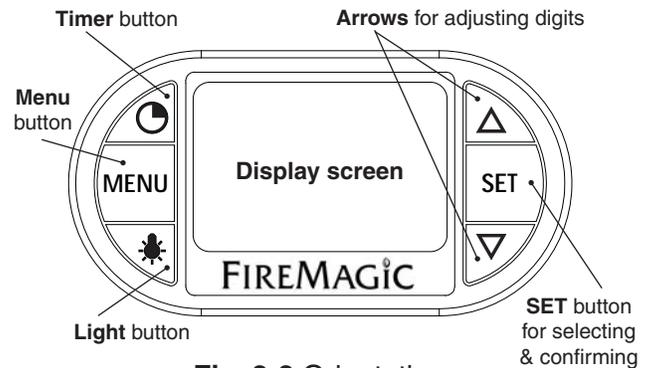


Fig. 2-2 Orientation

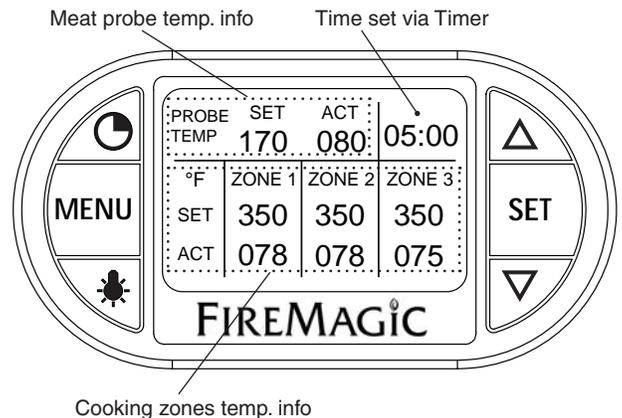


Fig. 2-3 Default screen detail

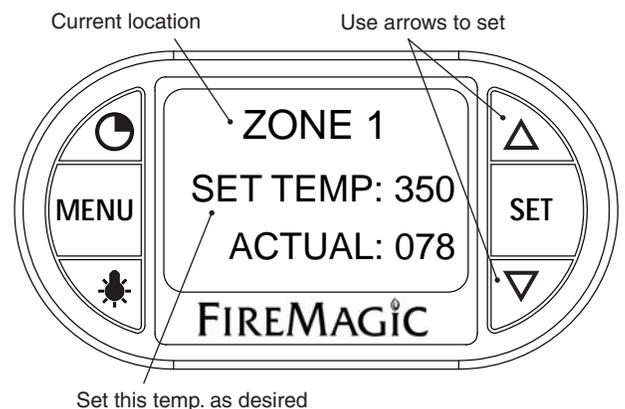


Fig. 2-4 Location temp. screen (zone 1 shown)

Interior and Knob Lights

1. Press the light button to turn both the interior lights and knob backlights On. The interior lights will temporarily shut off when the hood is closed (except for Magic View models).
2. Press the light button once to turn the interior lights off, and a second time to turn the knob backlights off.

Note: Thermometer shutdown will not shut off these lights; they must be manually shut off by turning the thermometer back on and pressing the light button.

Setting the Timer

1. Press the timer button. Use the arrows to set the desired amount of time (see Fig. 3-1.)
2. Press **SET** to return to the default screen.

The time remaining will be shown on the default screen. Once the time reaches zero; the alarm will sound. The alarm is silenced by pressing any button on the thermometer.

MENU SCREEN

Press any button to turn the thermometer On. The default screen will be displayed. Press the **MENU** button to display its screen. Press the up/down arrow to scroll through the options. (See Fig. 3-2.) See below for options under the menu screen.

Note: The menu screen will return back to the default screen after approximately 30 seconds of no activity. Press the **MENU** button to manually return to the default screen.

Changing temperature units (°C/°F) / Calibrating

1. Under the menu screen select SETUP. Press **SET**.
2. Press the up/down arrow to select (by pressing **SET**):
 - **SETUP F C.** This will allow you to press the up/down arrow to select the desired temperature unit (°C/°F). Press **SET** to return to the menu screen.
 - **CALIBRATE.** This will calibrate the thermometer with the ambient temperature, and return to the menu screen.

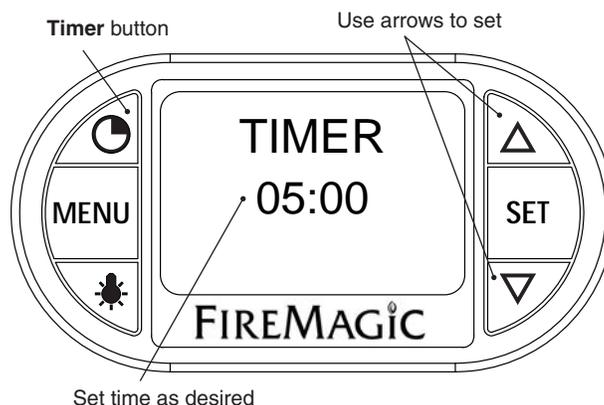


Fig. 3-1 Timer screen



Fig. 3-2 Menu screen

Grill Guide and Meat Probe

The grill guide displays recommended ready temperatures for various meats.

1. Under the menu screen select GRILL GUIDE. Press **SET**.
2. Press the up/down arrow to view the desired meat.
3. Note the temp. and press **SET**. This will take you to the meat probe temperature screen.
4. Use the arrows to set the noted temp.
5. Press **SET** to return to the default screen.

Putting the meat probe into the cooking meat will give an actual temp. reading. The alarm sounds when the actual temp. reaches the set temp.

Note: Do not leave the meat probe in the meat for a prolonged period of time, or with the hood closed.

Setting the Alarm

The alarm can be individually set (On or Off) for the meat probe and each cooking zone. The default setting has the alarm Off for the meat probe and cooking zones. The alarm always sounds for the Timer.

1. Under the menu screen select ALARM. Press **SET**.
2. Use the up/down arrow to select the desired alarm, and press the light button to turn the alarm On/Off.
3. Press **SET** to return to the menu screen.

Setting the Thermometer Backlight

The default color for the thermometer backlight is blue. The color may be changed as desired by turning the three base colors On/Off. Various combinations will result in different colors.

1. Under the menu screen select BACKLIGHT. Press **SET**.
2. Use the up/down arrow to select the desired color, and press the light button to turn the color On/Off.
3. Press **SET** to return to the menu screen. The new color will now show.

Note: Turning all colors Off will result in no backlight.

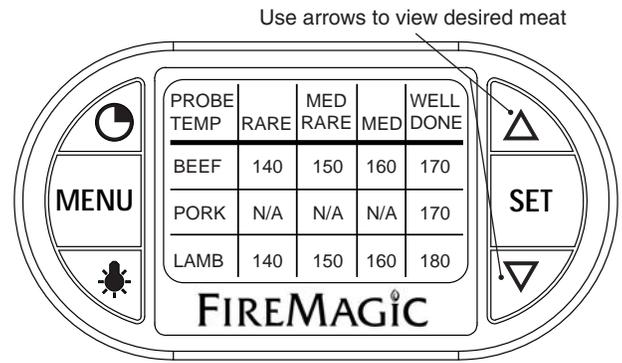


Fig. 4-1 Grill Guide screen

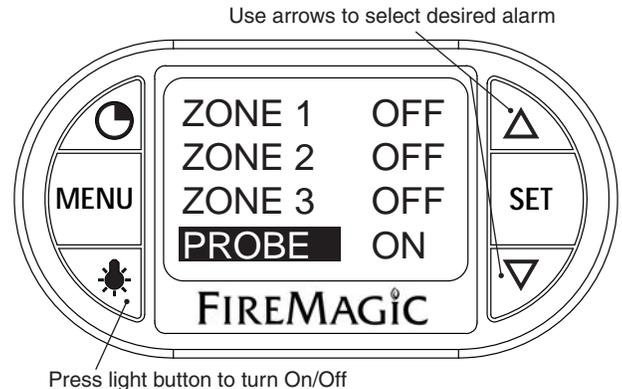


Fig. 4-2 Alarm screen

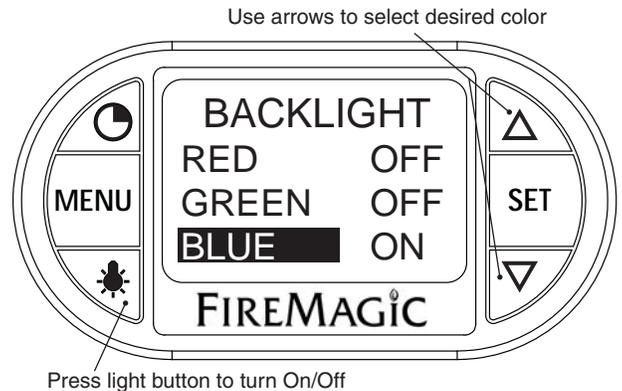


Fig. 4-3 Backlight screen