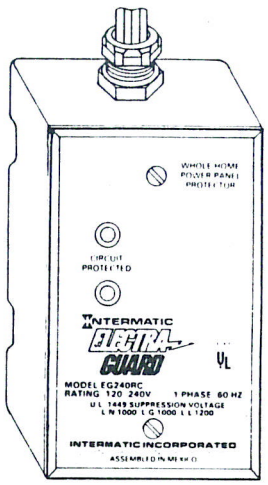
MODEL EG240R
INSTRUCTION MANUAL



(FIG. 1)

CAUTION!

STEP 1

Electricity is dangerous if safety rules are not followed.
Never work on equipment with the electricity turned "ON".

Be absolutely certain the power is turned "OFF" at the circuit or device you are installing or repairing. If you are not able to determine that power is removed have it checked by a licensed electrician.

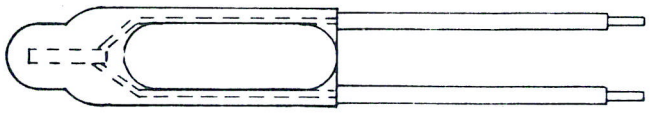
Be sure you read carefully and understand all of the installation steps and have all the necessary tools and supplies before you begin to install the protector.

Check and follow your local electrical codes, they are for your protection.

Do not touch electrical circuits or devices when you are wet or you are standing on a wet surface.

Use a circuit tester or AC voltmeter to be sure the electricity is "OFF" before you touch wires or devices.

ELECTRICAL GROUND IS REQUIRED IN THIS UNIT.



(FIG. 2)
(NEON CIRCUIT TESTER)

STEP 2

Check all parts to be sure none are missing. You should have:

QUANTITY	DESCRIPTION
1	240R Residential Panel Protector
1	Box Spacer
1	Bushing Plastic

STEP 3

Place the Box Spacer over the wires and tighten it into the threaded hole on the Protector.

STEP 4

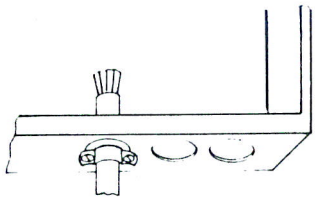
Select the mounting for the protector at the panel.
If you have a panel that is not like the diagram (Fig. 3) call (815) 675-2321 for assistance between 8:00 am and 4:00 pm., weekdays, central time.

STEP 5

If you do not have a main power shut "OFF" (master switch) do not attempt the work. Call a licensed electrician. Turn the main breaker or shut off switch to the "OFF" position (or remove the main fuse pullout). Use caution, the incoming power cable may still be "hot" with electricity even with the rest of the panel turned "OFF". Use the circuit tester or AC voltmeter to be sure the circuits are off.

STEP 6

Carefully remove the front trim panel. Choose and remove the desired knockout through which the Protector wiring will enter into the breaker panel.



STEP 7

Install the Protector by inserting the wire and the Box Spacer with the protector into the hole you knocked-out in the breaker panel and secure it with the locknut provided.

~~If the breaker panel is recess mounted into the wall use the mounting feet provided on the 240R Protector to secure it to the wall.~~

STEP 8

Install the plastic bushing over the wires and tighten it on the Box Spacer to protect the insulation on the wiring from rubbing on the edges of the Box Spacer.

STEP 9

Check to assure that the electricity is "OFF". A neon circuit tester or AC Voltmeter (Fig. 2) can be used, if you have one.

When connecting the wires, the green (ground) wire is connected first, then the white (neutral) wire and the black wires as shown in Figure 3. The black wires should be connected next to each other to two 15 ampere circuit breakers.

STEP 10

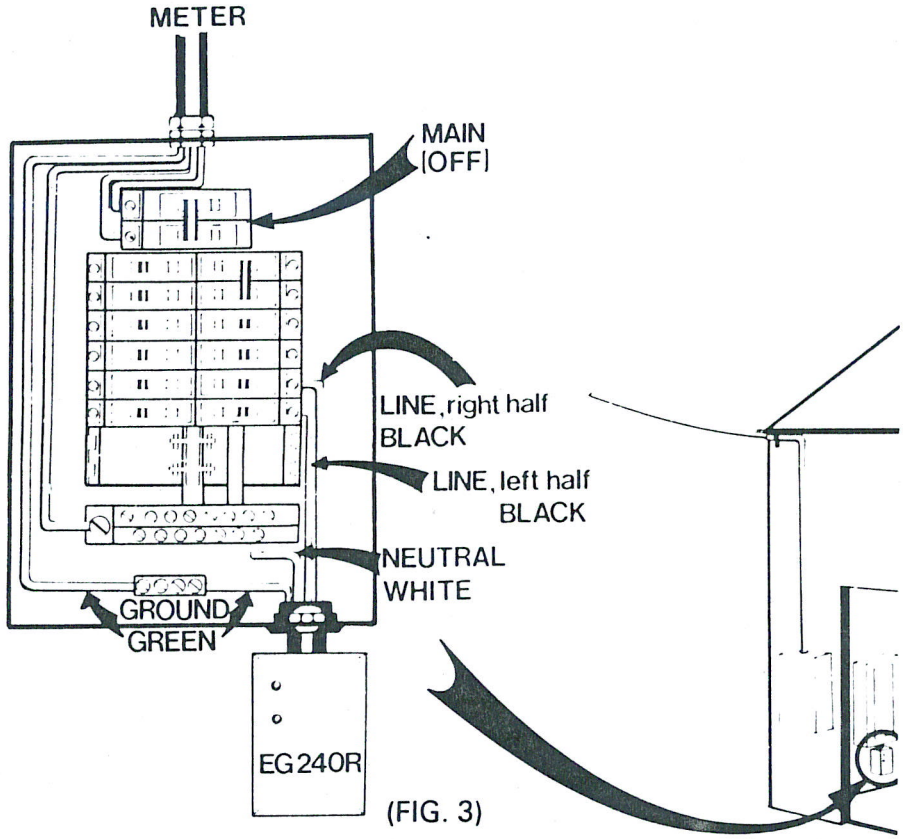
Route the green wire to the ground bus bar provided in the breaker panel. Some panels do not have a separate ground bus bar so the green wire must then be connected to the neutral bus bar mentioned in Step 10. This wire should be connected for safety purposes.

STEP 11

Next, route and connect the white wire to the neutral bus bar provided in the breaker panel.

STEP 12

The two black wires remaining must be connected to two separate 15 amp circuit breakers, not to each other, to insure connection across the full 240 volt AC incoming power circuit. Use the AC voltmeter or circuit tester across the black wire connection to be sure the protector is providing full protection to your panel. No more than two wires should be connected to one circuit breaker. It may be necessary to add new breakers if needed.



(FIG. 3)

STEP 13

Check to be sure all wires are securely fastened and all screws are tight.

Replace the front trim panel on the circuit breaker panel.

STEP 14

Turn "ON" the main breaker or shutoff switch (or insert the main fuse pullout).

STEP 15

Turn "ON" the circuit breakers connected to the two black wires of the Protector. The two indicator lights on the Protector should be on and the panel protector is now functioning normally.

If the indicator lights are not on and the correct wiring has been determined, replace the unit.

FULL FIVE YEAR WARRANTY

If within five years from the date of purchase, this product fails due to a defect in material or workmanship, Intermatic Incorporated will repair or replace it free of charge.

The warranty does not apply to: (a) damage caused by accident, abuse, mishandling, dropping; (b) units which have been subject to unauthorized repair, opened, taken apart; (c) units not used in accordance with directions; (d) damages exceeding the cost of the product. Some states do not allow a limitation of damages so the forgoing limitation may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

This warranty service is available by either; (a) returning the product to the dealer from whom the product was purchased or (b) mailing postage prepaid to the authorized service station listed below. Be sure to wrap the product securelywhen mailing to avoid shipping damage. This warranty is made by Intermatic Incorporated, Spring Grove, Illinois 60081- 9698

This unit is not a lightning arrestor and may not protect against a direct lightning strike on your home or at the electrical panel.

AFTER SALES SERVICE
INTERMATIC INCORPORATED
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