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Assistance Call:
800-544-4881

3308741.010 2-Way & 3-Way Reconditioned Universal Power Module

2-Way & 3-Way Includes:

- (1) 3308741.010 Reconditioned Universal Power Module
- (1) 3312009.000 Installation Instructions

Americana

**AMES/AES 2-Way
AMES/AES 3-Way**

INSTALLATION INSTRUCTIONS

Form No. 3312009.000 8/07
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LaGrange, IN 46761

SAFETY INSTRUCTIONS

This manual has safety information and instructions to help users eliminate or reduce risk of accidents and injuries.

RECOGNIZE SAFETY INFORMATION



This is the safety-alert symbol. When you see this symbol in this manual, be alert to the potential for personal injury. Follow recommended precautions and safe operating instructions.

UNDERSTAND SIGNAL WORDS

A signal word, **WARNING** OR **CAUTION** is used with the safety-alert symbol. They give the level of risk for potential injury.

WARNING Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION Indicates a potentially hazardous situation which, if not avoided may result in minor or moderate injury.

CAUTION

When used without the safety alert symbol indicates, a potentially hazardous situation which, if not avoided may result in property damage.

Read and follow all safety information and instructions.

GENERAL INSTRUCTIONS

This Reconditioned Universal Power Module is a direct replacement for all current refrigerator Universal Power Modules, namely 2 & 3 Way, and Americana. There is no need for a new Eyebrow Display; the universal board self-recognizes which display type it is connected to therefore the eyebrow does not have to be replaced. The installer must strictly adhere to the installation procedure below, paying specific attention to tabs J1 to J4; if not wired correctly damage to the board will result.

WARNING

These instructions must be read and understood before installation of this kit. This kit must be installed by a Dometic Service Center or a qualified service technician. Modification of this product can be extremely hazardous and could result in personal injury or property damage.

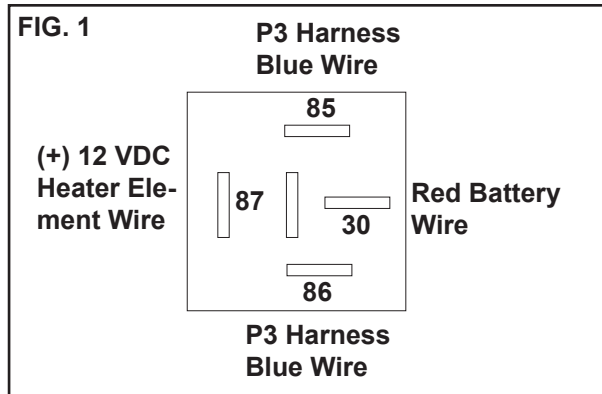
REPLACEMENT INSTRUCTIONS

A. Americana and 2-Way AMES/AES Refrigerators Universal Power Module

1. Disconnect all wires and harnesses from circuit board.
2. Remove old circuit board, base, and cover. Save the screws in order to use them to install the new circuit board.
3. Disconnect P3 harness from gas valve solenoid, ignitor, and ground terminal.
4. Connect the red (+) 12VDC wire to J1 terminal.
5. Connect the Light/Heating Cable blue wire(s) to either J2 or J3. In older refrigerators these two wires are spliced together to one tab. In the future they will be 2 separate wires.
6. Connect the longer of the two black Thermocouple wires to J4 terminal.
7. Connect the positive (+) black 120 VAC Line to J5 terminal.
8. Connect the neutral (–) white 120 VAC wire to J6 terminal.
9. Connect AC Heater element wires to J7 and J8 terminals.
10. Connect remaining black Thermocouple wire to J10 terminal. This lead from the thermocouple is normally the shortest of the two.
11. Connect black ground wire from backplate to J9 terminal.
12. Connect P1, P2, and P3 connectors to the appropriate terminals on circuit board.
13. Snap cover into place carefully so as to avoid pinching any wiring. Secure cover to backplate with the #4 x 1/2" self-tapping screw saved in step 2.
14. Installation of this Reconditioned Universal Power Module Kit is now complete.
15. Return old circuit board, base, and cover to:
Dometic Corporation
509 South Poplar St.
Lagrange, IN 46761
Attention: Patrick N. McConnell

B. 3-Way AES/AMES Refrigerator Universal Power Module

1. Disconnect all wires and harnesses from circuit board.
2. Remove old circuit board, base, and cover. Save the screws in order to use them to install the new circuit board.
3. Disconnect P3 harness from gas valve solenoid, ignitor, and ground terminal.
4. Make sure unit has a separate relay with the connection terminals pointing to the right, and mounting hole to the left.
5. Connect the two Blue wires from the P3 harness to terminals 85 and 86 on the relay. See FIG. 1.



6. Using the Red wire connected to terminal 30 on the relay, connect opposite end to the J1 battery input. Follow instructions in step 7 to make this connection.
7. Connect the red (+) 12VDC wire to J1 terminal.
8. Connect the Light/Heating Cable blue wire(s) to either J2 or J3 terminals on the board. In older refrigerators these two wires are spliced together to one tab. In the future they will be two separate wires.
9. Connect the longer of the two black Thermocouple wires to J4 terminal on the board.
10. Connect positive (+) black 120 VAC Line to J5 terminal.
11. Connect the neutral (–) white 120 VAC wire to J6 terminal.
12. Connect the AC Heater element wires to J7 and J8 terminals.
13. Connect remaining black Thermocouple wire to J10 terminal. This lead from the Thermocouple is normally the shortest of the two.
14. Connect new black ground wire from backplate to J9 terminal.
15. Connect P1, P2, and P3 connectors to the appropriate terminals on the circuit board.
16. Snap cover into place carefully so as to avoid pinching any wiring. Secure cover to backplate with the #4 x 1/2" self-tapping screw saved in step 2.
17. Installation of this Reconditioned Universal Power Module Kit is now complete.
18. Return old circuit board, base, and cover to:
Dometic Corporation
509 South Poplar St.
Lagrange, IN 46761
Attention: Patrick N. McConnell