http://waterheatertimer.org/Intermatic-timers-and-manuals.html#pool

New PE Series Digital Controls

PE25300

Optional Remote Command
133PE1484A

Intermatic's NEW PE Series Digital Controls couple the standard features of our current control centers with the convenience of digital automation. The latest innovation from Intermatic, the P1353ME, allows the ability to program up to three circuits. Beyond single and two-speed pump/booster pump applications, auxiliary modes can control pumps up to 3HP as well as underwater, garden and/or fountain lighting. Countdown and override features allow cycle interruptions when pool/spa service is required. All timing and protection associated with booster/cleaner pump combos and two-speed pumps has already been integrated into the digital software.

In addition, each model has provision to install a switching device or GFCI receptacle on the side and additional accessories inside. The PE25300 also has a 60 Amp Breaker Buss in order to provide service at the equipment pad.

PE15300

Section 3:

Control Center Installation

Mounting the Control Center

Special code requirements apply to your I-Wave Control System. To ensure safe installation, please follow all applicable national state, and local codes when installing the Control Center.

Locate your Control Center near the pool/spa equipment pad at least five feet or more away from either the pool or spa equipment and at least five feet off the ground.

Mounting brackets have been provided to assist you in your installation.

NOTE: The Control Center is not to be considered as suitable for use as Service Equipment. Therefore, it is required to have the appropriate means of disconnection, circuit isolation, and/or branch circuit protection installed at the Main Power Panel.

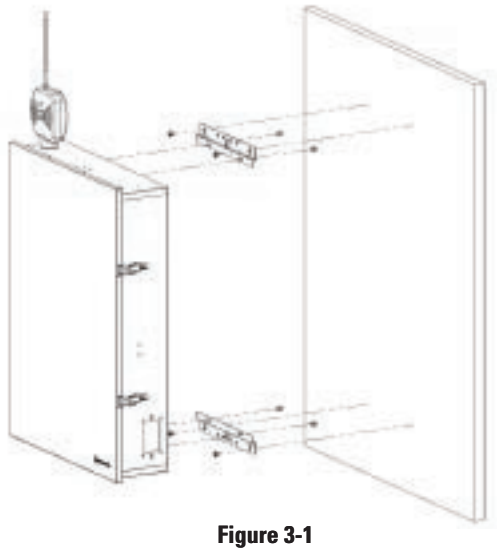

Figure 3-1

Wiring the System Power

Run wire from the Main Power Panel to your Control Center and connect the leads to the Control Center Breaker Base. See detail in Figure 3-2 at the right.

The breaker base of your Control Center is capable of handling up to 125 amps. You must comply with the applicable local codes and use the proper gauge wiring from your Main Power panel to your control center breaker base. The proper gauge wire will be determined by the length of wire required and the 125 Max Amp rating.

WARNING: Potentially high voltages in the Control Center can create dangerous electrical hazards, possibly causing death, serious injury, or property damage. Turn off the Main Power to the Control Center to disconnect or service the I-Wave Control Center.

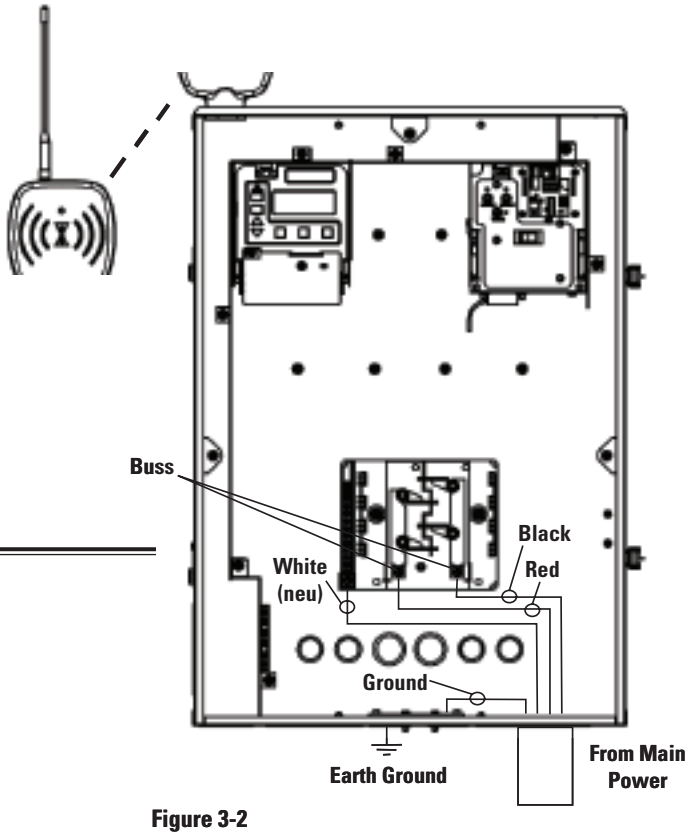

Figure 3-2

If Wiring Combination 120- and 240-Volt Loads:

- For combination 120- and 240-Volt loads, change the factory default setting of the Source Voltage Selection Jumper on the back of the Three-Circuit Clock mechanism *(P1353ME)* from its factory default setting to 120 Volts.
- For more information, see *Identifying Connections and Selecting Proper Input Voltage* on page 26.

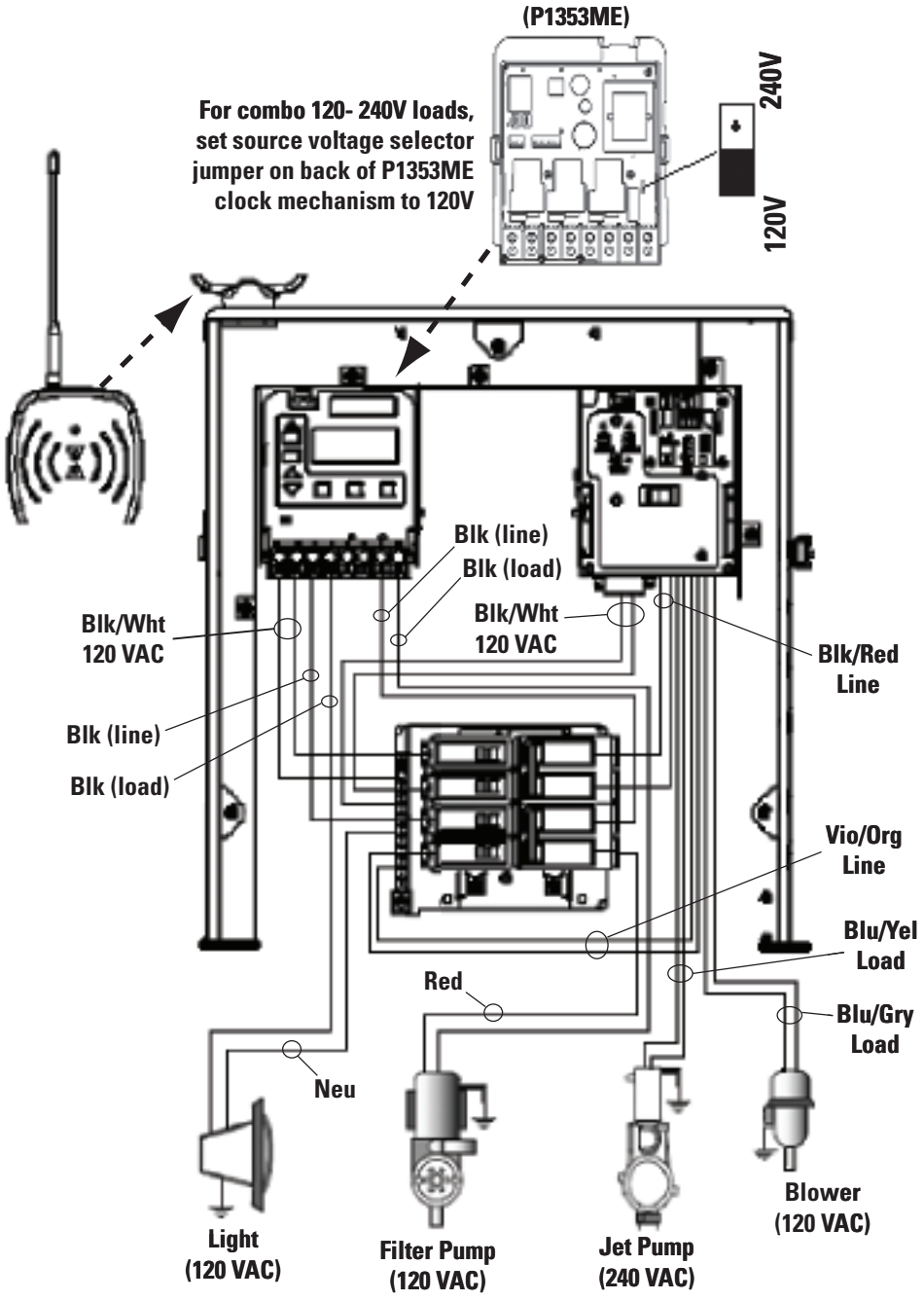

Figure 3-6

http://waterheatertimer.org/Intermatic-trippers-and-parts.html#P1353