P1353ME Operating instructions
1. Press PROG Key to cycle through menu options.
2. Press UP and DOWN arrow keys to change program settings.
3. Press ENTER key to save changes and exit programming mode.
4. Press ON/OFF keys to manually turn devices ON or OFF.

For more details, please refer to instruction manual booklet

NOTES:
1. Grounding connections are not shown but must be provided. Refer to the National Electrical Code for details.
2. Diagrams above are only two of the many variations this Panel can accommodate.
IMPORTANT SAFETY INSTRUCTIONS

When installing and operating this product and other associated equipment, basic safety precautions should always be followed, including the following:

1. Read and follow all instructions.
2. This control must be installed by a qualified electrician, according to National and Local Electrical Codes.
3. Install this control not less than 5 feet (3 meters in Canada) from inside edge of pool. USE COPPER CONDUCTORS ONLY.
4. Do not exceed the maximum ratings of individual components, wiring devices, and current carrying capacity of conductors.
5. For control grounding, bonding, installing and the wiring of underwater lights, refer to Article 689 of the National Electrical Code or Article 68 of the Canadian Electrical Code.
6. This control should not operate any equipment which would cause bodily injury or property damage it should be activated unexpectedly.

READ, FOLLOW AND SAVE THIS INSTRUCTION MANUAL

INSTALLATION

1. Remove the #10 hex head screws from the outside back of the enclosure and attach mounting brackets.
2. Select the proper location for the control panel and hang enclosure on a flat vertical surface or other support. When mounting the enclosure, be sure to use hardware capable of supporting its weight.
3. Prepare the necessary conduit runs, terminate them at both ends and pull in the conductors as specified by the installation layout. If this control is used for direct conduit connection to a wet-niche or no-niche luminaire, order one of the following:
   - 1/2" non-metallic - order 156PA13713A
   - 3/4" non-metallic - order 156PA13714A
   - 1" non-metallic - order 156PA13715A
   - 1/2" metallic - order 156PA14336A

4. Refer to Figure 1 below. Note that this figure shows a P1353ME Digital Time Clock installed, the P1353ME is not included on all models. See door panel for specific configuration and rating of the model you are installing. A breaker base for up to eight full size circuit breakers is included on all models. To wire the panel, follow the wiring diagram located inside the enclosure door. When wiring the P1353ME, make sure that the connections are tight (25 lb.-in. minimum) and insulation clears the pressure plate (see illustration).

5. If required by the heater manufacturer, the P1353ME includes a connection for a fire-man switch. This switch only works in conjunction with circuit #1 (Load #1) on the P1353ME. Refer to pages 6 & 7 of the P1353ME Instruction Manual for connection information, and refer to page 28 for fireman switch programming information. Use at least #18 AWG wire with insulation rated 300 volt or higher. Some heaters may require a special connecting harness, contact heater manufacturer for details. Place heater ON/OFF switch on heater to ON position.

6. To install additional wiring devices inside the enclosure, first remove rectangular knock-out(s) in dead front. Next, remove hex head screws inside back of enclosure and install stand-offs* in place of screws. Attach wiring device to stand-offs. *Stand-offs are not furnished. Order 311T156A for a set of (4) stand-offs and mounting hardware.

7. If external bonding is required, install a bonding lug at bottom of enclosure and bond installation according to code requirements (Order 156T11047A for Bonding Lug Kit).

8. Testing of the installation is optional and recommended only if the desired loads are securely in place and will not be damaged by this test:
   a. Turn ON power at breaker panel.
   b. P1353ME display should illuminate and then start to blink 12:00AM provided the memory hold-up capacitor is discharged. Otherwise, it will display the time.
   c. Push each of the ON/OFF buttons to verify devices cycle on and off. In case of unsatisfactory results, turn OFF power, check your wiring, refer to Troubleshooting on Page 3.
   d. Install front panel over wiring compartment. The control is now ready for programming, see OPERATION section on Page 4.

TROUBLESHOOTING

<table>
<thead>
<tr>
<th>SYMPTOM</th>
<th>CAUSE(S)</th>
<th>CORRECTIVE ACTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Display will not come &quot;ON&quot; when unit is powered up?</td>
<td>1a. Jumper on back of clock is missing set incorrectly.</td>
<td>Set Jumper to proper location. See Pg. 7 of instruction manual.</td>
</tr>
<tr>
<td>3. Unit does not turn &quot;ON&quot; or &quot;OFF&quot; at desired times?</td>
<td>3a. Clock is in Freeze protection Review programming menu. See Pg. 7 of instruction manual.</td>
<td></td>
</tr>
<tr>
<td>4. Display continues to blink ON and OFF?</td>
<td>4a. Power to clock was interrupted long enough to lose time of day.</td>
<td>Cycle through programming menu. See Pg. 30 of instruction manual.</td>
</tr>
</tbody>
</table>

ACCESSORIES

Freeze Probe Accessory
Part Number 178PA28A
(not included with all models)

The New Intermatic Freeze Probe allows you to protect your pool or spa equipment during an unexpected freeze condition. The freeze probe comes with a 10 foot cable and plugs into the back of the new PM1353ME. The P1353ME can be programmed to turn on each or all individual loads at any desired outside temperature.

Heater Protection (Fireman) Switch is standard with each Digital Time Clock. It comes standard with a Fireman Switch connection for your pool or spa heater. Simply connect the two wires from your heater thermostat to the back of the digital clock. The fireman switch is also associated with circuit one on the digital clock, therefore the filter pump should be connected to circuit one. Program the time desired for the cool down period and the P1353ME will take over.

For more details, refer to instruction manual.

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