

Digital Control Accessories



<http://waterheatertimer.org/Digital-control-centers-and-manuals.html>

I-Wave Mechanisms — Three Circuit Clock P1353ME

Designed as part of the I-Wave system and for aftermarket and retro-fit applications, the P1353ME can be installed into almost any Intermatic enclosure and has the ability to program up to three circuits. Choose between six pre-programmed modes of operation, which include single speed pump or 2-speed pump/cleaner pump combinations. In addition, programmed modes that include auxiliaries can control pumps up to 3 HP as well as underwater, landscape and/or fountain lighting. Countdown and Override features allow cycle interruptions when pool/spa service is required. All timing and protection associated with filter pump/cleaner pump combinations and two-speed pumps has already been integrated into the software.

- 120 or 208-240 volt input voltage
- Memory backup
- Freeze protection
- Heater protection (fireman switch)
- LCD readout
- Three ON/OFF events per day per circuit
- Shipping weight - 3 lbs (1.4 kg)
- Agency approval - CSA/C-US

CONTACT RATINGS — EACH CIRCUIT, ALL MODES

- 20A Resistive, 120/240 VAC., 50/60 Hz
- 20A FLA@120 VAC, 96A LRA@120 VAC, 50/60 Hz
- 17A FLA@240 VAC, 80A LRA@120 VAC, 50/60 Hz
- 5 Amps Tungsten, 120/240 VAC, 50/60 Hz
- 5 Amps Ballast, 120/240 VAC, 50/60 Hz

Valve/Pump Switch P4243ME

Designed as part of the I-Wave system and for aftermarket and retro-fit applications, the P4243ME is most suited for controlling up to two different circuits associated with pool/spa combinations but can also be used to control all the equipment typically needed in connection with water features, water gardening, solar heating and other similar applications. This unit snaps into almost any Intermatic enclosure and controls pumps up to 3HP, 24 volt supply for up to three valve actuators, automatic HIGH/LOW water temperature selector, heater connection circuit and push button control for each load with indicator lights on the face of switch. In addition, the unit has connections for a hard wired or wireless remote and a master switch controller.

- 120 or 208-240 volt input voltage
- Controls up to three valve actuators
- Controls two circuits
- Switches heater thermostat
- Remote control capabilities
- Shipping weight - 3 lbs (1.4 kg)
- Agency approval - CSA/C-US

Mode 1 – (Aux1, Aux2, Aux3)

The time switch is 3-circuit switch with all three switches controlling auxiliary devices.

Mode 2 – (Pump High, Pump Low, Aux3)

The time switch is a 2-circuit switch with the 1st & 2nd switch controlling a two-speed pump. The 3rd switch is controlling any auxiliary device. All protection associated with a two speed pump is preprogrammed into this mode.

Mode 3 – (Pump, Aux2, Cleaner Pump)

The time switch is a 3-circuit switch with the 1st switch controlling a single speed pump, the 2nd switch controls any auxiliary device, and the 3rd switch operates a booster/cleaner pump. All timing & protection associated with a filter pump/cleaner pump combination is preprogrammed into this mode.

Mode 4 – (Pump High, Pump Low, Cleaner Pump)

The time switch is a 2-circuit switch with the 1st & 2nd switch controlling a 2-speed pump. The 3rd switch is controlling a booster/cleaner pump. All protection associated with a 2-speed pump and booster/cleaner pump combination is preprogrammed into this mode.

Mode 5 – (Pump L1, Pump L2, Aux3)

The time switch is a 2-circuit switch with the 1st & 2nd switch controlling a 240V pump, where both L1 & L2 are required to be disconnected when the pump is OFF. The 3rd switch is controlling any auxiliary device.

Mode 6 – (Aux1, Aux2, Aux3)

Identical to Mode 1, in which each of the three single pole circuits are defined generically and can control any load within each of its individual circuit ratings, with all three circuits acting independent of each other. However, with Mode 6, the fireman switch closes only when circuit 1 (the filter pump) is manually turned on — not when the clock turns it ON. This mode is useful when you have Circuit 1 connected to a circulation pump in the spa. When the spa is not in use, the clock circulates the water to filter it, but does not turn ON the heater. When the spa is in use, the heater is also turned ON by manually switching Circuit 1.



P1353ME



P4243ME

CONTACT RATINGS — EACH CIRCUIT

- 17A Resistive, 120/240 VAC., 50/60 Hz
- 1.5 HP @ 120 VAC., 50/60 Hz
- 3.0 HP @ 240 VAC., 50/60 Hz
- 10 Amp Tungsten, 120/240 VAC, 50/60 Hz
- Valve Actuator Supply: 24VAC 40VA