



Electronic Timer Control - 24-Hour Time Control, 3-Circuit, Mechanism Only

Item P1353ME



PRODUCT DESCRIPTION

This multipurpose 24-hour control is capable of automatically switching loads according to a preset daily schedule. Controls single- and two-speed pumps and cleaner/booster pumps. Three ON/OFF events per circuit per day.

FEATURES

- ▶ Controls single- and two-speed pumps and cleaner/booster pumps
- ▶ Three ON/OFF events per circuit per day
- ▶ Seven preprogrammed modes
- ▶ Freeze and heater protection
- ▶ LCD readout
- ▶ Multivoltage input and output
- ▶ Countdown and override features enable programs to be overridden and automatically resumed without requiring the user to reprogram the system

APPLICATIONS

- ▶ Motor Control
- ▶ Pump Control

TECHNICAL DATA

General	
Model Number	P1353ME
Description	24-Hour Time Control, 3-Circuit, Mechanism Only
UPC Code	078275086609
Brand	Intermatic
Country of Origin (Intermatic)	CANADA
Warranty Period	1-Year limited
Control Specifications	
Maximum ON/OFF Operations	3
Operation Mode	24 hour
Material Specifications	
Body Material	Metal
Load Ratings	
Tungsten Range(s)	5 A, 120/240 VAC, 50/60 Hz
Motor	80 LRA @ 120 VAC, 50 Hz;80 LRA @ 240 VAC, 50 Hz;17 FLA @ 120 VAC, 50 Hz;17 FLA @ 240 VAC, 50 Hz;80 LRA @ 120 VAC, 60 Hz;80 LRA @ 240 VAC, 60 Hz;17 FLA @ 120 VAC, 60 Hz;17 FLA @ 240 VAC, 60 Hz
Resistive Load Ratings Ranges	17 A, 120/240 VAC, 50/60 Hz
Motor Load Ratings Ranges	80 LRA @ 120/240 VAC, 50/60 Hz; 17 FLA @ 120/240 VAC, 50/60 Hz
Electrical Specifications	
Voltage Selection Type	Multi Voltage
Input Voltage Range(s)	120/240 VAC, 50/60 Hz
Number of Circuits	3
Switch Type	3-SPST
Packaging	
Shipping Weight (lbs)	1.597
Unit Carton Dimensions (H x W x L) in	8 x 3.25 x 5.25 in

# Digital Two Speed Controller Mechanism



## P1353ME

### Specifications:

- Three individual circuits
- Three ON/OFF events per day per circuit
- Seven pre-programmed modes for common pool & spa applications
- Input voltage 120, 208, 240 VAC
- Memory backup
- Freeze protection
- Heater protection (fireman switch)
- LCD readout
- Shipping weight: 3 lbs (1.4 kg)
- Agency approval: CSA/C-US

### CONTACT RATINGS — EACH CIRCUIT, ALL MODES

- 17 Amp Resistive, 120, 240 VAC, 50/60 Hz
- (20 FLA, 96 LRA) 120 VAC, 50/60 Hz
- (17 FLA, 80 LRA) 240 VAC, 50/60 Hz
- 5 Amps Tungsten, 120, 240 VAC, 50/60 Hz
- 5 Amps Ballast, 120, 240 VAC, 50/60 Hz



## P1353ME

### Three Circuit Clock Mechanism

Designed as an upgrade to your T100 Series time switch, the P1353ME mechanism can be installed into almost any Intermatic enclosure and has the ability to program up to three circuits. Choose between seven 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.

### Pre-Programmed Equipment Pad Modes

#### Mode 1 – (Aux1, Aux2, Aux3)

The time switch is a 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 pre-programmed 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 pre-programmed 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 pre-programmed 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.

### New Pre-Programmed Equipment Pad Modes

#### Mode 6 – (Aux1, Aux2, Aux3)

##### Heater green mode

The time switch performs identical to Mode 1 except this mode allows the heater to heat the water only when Circuit 1 (the filter pump) is manually turned on – not when the clock turns the pump on. This mode is helpful when you have Circuit 1 connected to a circulation pump in a 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 ON.

#### Mode 7 – (Pump High, Pump Low, Common)

##### Break both lines

The time switch performs identical to Mode 2 except this mode allows the hook up to break both hot lines of a 240VAC two speed pump connection. In this mode the time switch becomes a single circuit device specifically designed to control a two-speed pump motor. The 1st & 2nd circuits connect to the High and Low lines of the two-speed pump respectively and the 3rd circuit connects to the second hot leg. All timing & protection associated with a two-speed pump is pre-programmed into this mode.

1. Before making any connections: Set the Source Voltage Selector Jumper. The factory default position for this jumper is the 240 Volt position.
2. If the input voltage for the clock is 120 Volts, change this jumper to the 120 Volt position.

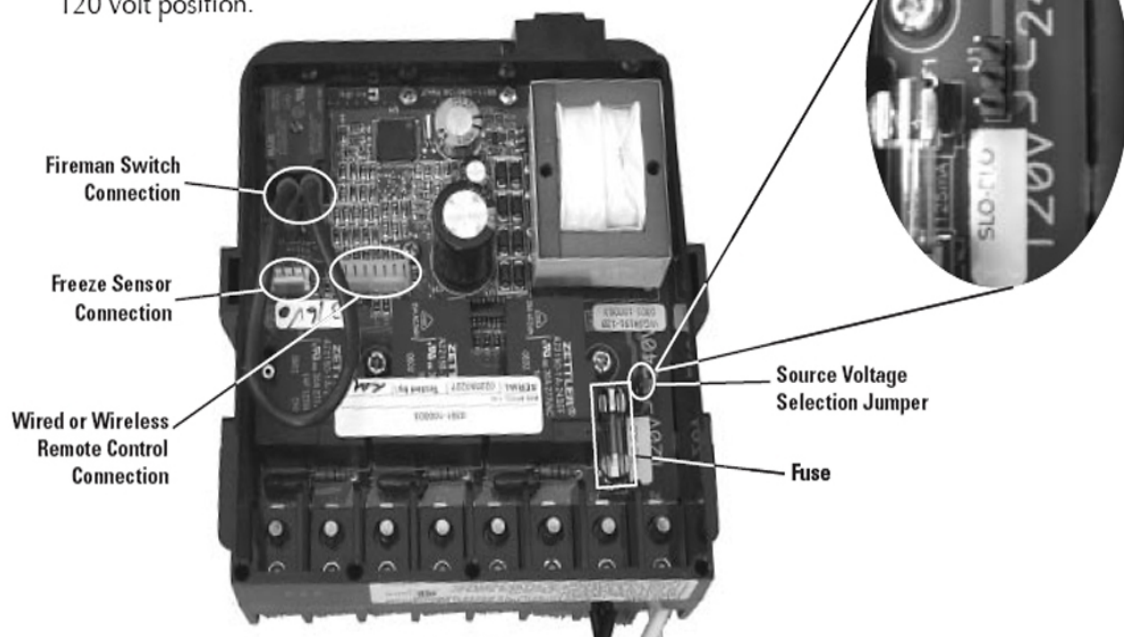


Figure 4-2

