



# HAYWARD MICROPROCESSOR CONTROL/TIMER OWNER'S MANUAL & INSTRUCTION SHEET

This high performance timer is adaptable to all Flex-48 style aboveground pool pump motors. Please follow all instructions closely.

## **OPERATIONAL INSTRUCTIONS:**

Your integrated timer module has been designed with four (4) possible timer settings plus a manual override control.

**\*\*\*Run duration is set at the time of programming.**

## IMPORTANT SAFETY INSTRUCTIONS READ AND FOLLOW ALL INSTRUCTIONS SAVE THESE INSTRUCTIONS

### **WARNING**

IMPROPER INSTALLATION OR USE OF THIS PRODUCT MAY PRESENT A RISK OF HAIR OR BODY INTRAPMENT AND DROWNING. Install this equipment in accordance with the instructions provided. Use only with the components and mounting hardware provided. FAILURE TO FOLLOW THESE INSTRUCTIONS AND/OR USE WITH COMPONENTS NOT PROVIDED BY PENTAIR POOL PRODUCTS AND INTENDED TO BE USED WITH THIS PRODUCT MAY RESULT IN IMPROPER POSITIONING OR FUNCTIONING OF DRAIN COVER AND MAY CAUSE SEVERE PERSONAL INJURY OR DEATH.

### **WARNING**

Before installing this product, read and follow all warning notices and instructions accompanying this product. Failure to follow safety warnings and instructions can result in severe injury, death, or property damage. Call 1-800-831-7133 for additional free copies of these instructions.

### **Important Notice**



Attention Installer.

This material contains important information about the installation, operation and safe use of this product. This information should be given to the owner/operator of this equipment.

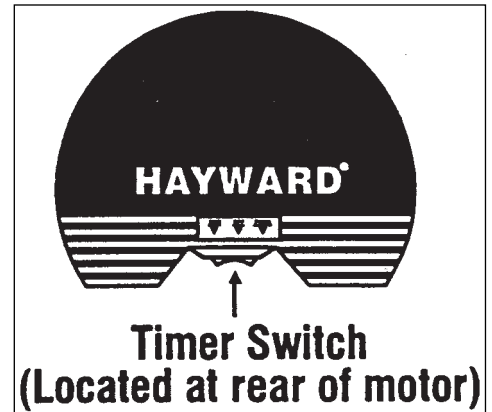
### **TO SET TIMER:**

1. Move switch from “OFF” to “PROGRAM” to “OFF” producing 1 beep.
2. Move switch from “OFF” to “RUN”.
3. Repeat steps 1 and 2 according to your choice of settings.

### **SINGLE SPEED MOTOR SETTINGS:**

- Setting 1—Pump runs 24 hours continuously—(1 beep)  
Setting 2—Pump runs 18 hours and is off for 6 hours—(2 beeps)  
Setting 3—Pump runs 12 hours and is off for 12 hours—(3 beeps)  
Setting 4—Pump runs 6 hours and is off for 18—(4 beeps)

**NOTE:** When the timer is switched from “OFF” to “PROGRAM” an audible beep sound is heard. This allows the pump to differentiate between settings.



### **DUAL SPEED MOTOR SETTINGS:**

- Setting 1—Pump runs 24 hours on Hi Speed—(1 beep)  
Setting 2—Pump runs 18 hours on Hi Speed and 6 hours on Low Speed—(2 beeps)  
Setting 3—Pump runs 12 hours on Hi Speed and 12 hours on Low Speed—(3 beeps)  
Setting 4—Pump runs 24 hours on Hi Speed and 18 hours on Low Speed—(4 beeps)

### **TO OVERRIDE TIMER SETTING:**

**Move switch from “RUN” to “OFF” back to “RUN” within 3 seconds. The pump will run for 1 hour and then return to the programmed mode you’ve selected.**

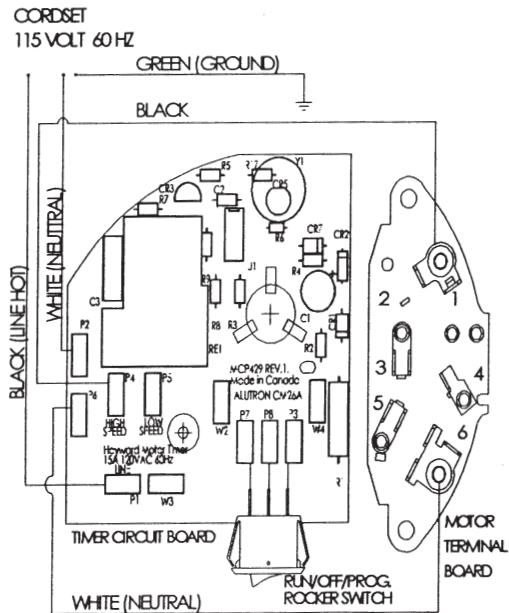
**If a power failure occurs:** Once power is restored, the timer will automatically default to the programmed mode, adding the length of time of the power failure.

**FOR REPLACEMENT TIMER ORDER PART NUMBER —SP1500FT**

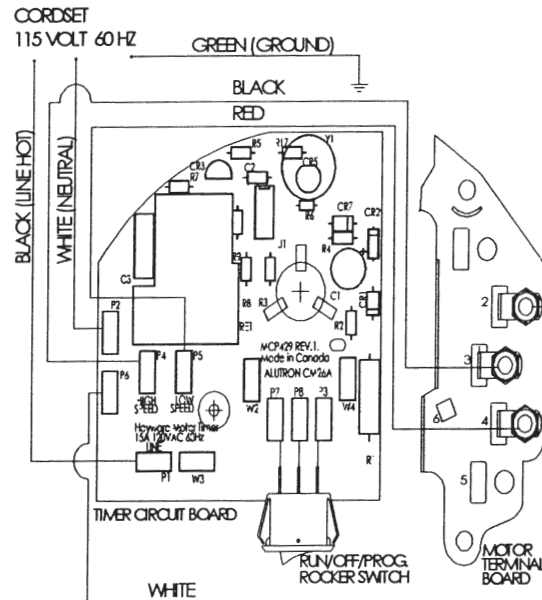
## **FIELD WIRING INSTRUCTIONS: HAYWARD MICROPROCESSOR CONTROL/TIMER**

1. Only qualified personnel should field wire motor. All wiring must be done in accordance with applicable electrical codes. Make certain that electrical power to pump has been disconnected before attempting to install pump timer SP1500FT.
2. Remove existing plastic motor canopy from motor by loosening canopy retaining screw in center of canopy. If motor is equipped with a rocker or toggle switch remove the switch jumper wires from the motor terminal board.
3. Use the red, black and white jumper wires provided to make the required connections between the timer printed circuit board located in the new motor canopy and the motor terminal board. If your pump is a single speed model you will need the red jumper wire. The connection points for the jumper wires are shown on the schematic wiring diagrams below. Make certain you refer to the correct diagram for your pump as both the single speed and two speed diagrams are shown.
4. The black and white supply voltage wires (either cordset or conduit) must be connected to printed circuit board terminals (P1) and (P2) respectively. In order to accomplish these field connections the black and white supply voltage leads must have  $\frac{1}{2}$ " push-on electrical terminals.
5. Make certain that the field supply green grounding lead is secured to the green #10 grounding screw positioned in the motor and frame. Install the new timer canopy with operating instruction label by locating and tightening the canopy retaining screw.
6. Reconnect electrical power to pump and follow operating instructions to program timer.

## SINGLE-SPEED MOTOR



## TWO-SPEED MOTOR



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