

# Dual Heater Relay Kit for IntelliTouch™

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

### WARNING

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

### Important Notice



Attention Installer.

This manual 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.

### SECTION I. APPLICATION

This kit is for use with IntelliTouch pool/spa control systems. This enables pool/spa temperature control by alternate use of gas heaters and heat pumps. This kit will disable use of any solar heating controls.

### SECTION II. KIT INCLUDES

RLYHTR	Heater relay	Qty. 1
8491220	2-pin connector	Qty. 2
520254	Temperature sensor	Qty. 1

### SECTION III. INSTALLATION

### CAUTION

**DO NOT PLUG IN OR UNPLUG ANY SYSTEM COMPONENTS WITH THE POWER ON. THIS MAY DAMAGE THE SYSTEM COMPONENTS MAKING THEM UNUSABLE FOR THE HOMEOWNER.**

At the load center, turn off system power and fold down control panel.

Feed the temperature sensor cable up the low voltage raceway to the low voltage compartment. Strip ¼ in. of wire from end of temperature sensor cable. Attach to SOLAR screw terminals of temperature sensor terminal block (located at lower right of circuit board). Locate temperature sensor beneath the load center near the air temperature sensor. Do not locate sensor where it would be exposed to direct sunlight or in direct contact with heat conducting sources (such as metal plates or poles).

Attach plug of RLYHTR to SOLAR output connection. For system i10+3D attach to POOL SOLAR or SPA SOLAR depending on which body of water is sharing heaters.

Run two conductor wire from heat pump connection points up the low voltage raceway to the low voltage compartment. See heat pump manufacturers instructions for wiring to control systems. Set heat pump thermostats according to heat pump manufacturer's instructions.

Connect the flying leads of the RLYHTR to the two conductor cable. To use the crimp connectors, simply push the two wires to be connected into the small holes at one end of the connector, and then squeeze the cylinder with a pair of pliers.

Close control panel and turn system power on.

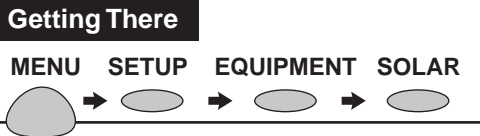
#### Pentair Pool Products

1620 Hawkins Ave., Sanford, NC 27330 • (919) 774-4151  
10951 West Los Angeles Ave., Moorpark, CA 93021 • (805) 523-2400



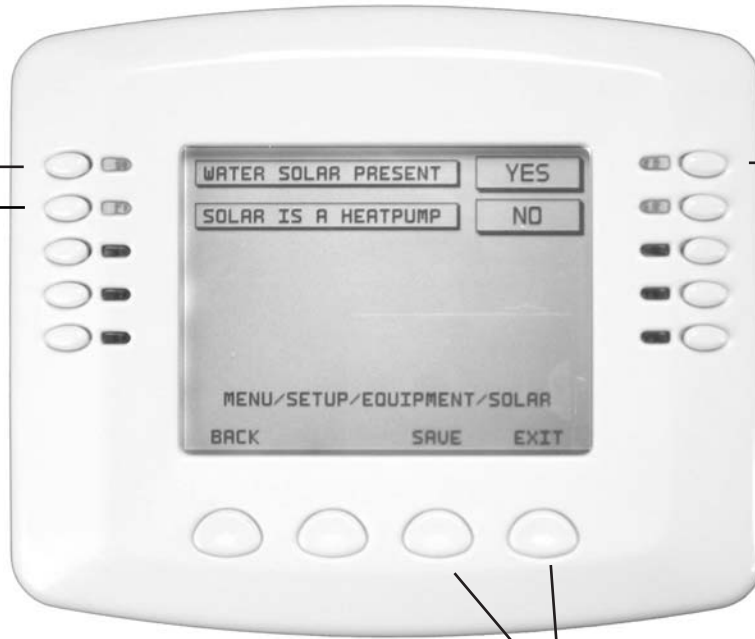
## SECTION IV. SET-UP

Using the Indoor Control Panel or MobileTouch unit configure the system to recognize the second heater.



**1** Press button so YES appears here.

**2** Press button so that Solar is a Heatpump says YES. When this is done, Valve A will be free for other circuits.



**3** Press SAVE when finished, and EXIT to return to main menu.



**i10+3D**  
Press YES for each body of water with Solar Heating.

Then configure the system to use the heat pump if heating is available from the heat pump. If heat is not available, then it will default back to the gas heater for heating.



**1** Press these buttons to find H PUMP PUF for each heating mode desired. NOTE: i5S and i9+3S systems will show HI-TEMP and LO-TEMP instead of SPA and POOL.

**3** Press BACK to return to the MAIN screen.

**2** Press SET when finished.

**SAVE THESE INSTRUCTIONS.**

***Pentair Pool Products***

1620 Hawkins Ave., Sanford, NC 27330 • (919) 774-4151  
10951 West Los Angeles Ave., Moorpark, CA 93021 • (805) 523-2400

