



TS5L

UY Connectors

APPLICATION:

Temperature Sensor used with Compool pool and spa control systems. This Sensor may be used for **Water** or **Solar**. With the Cp3800 Control system family it may also be used for Freeze protection. The UY wire connectors are for 22-26 guage wires and designed for indoor or outdoor use.

KIT INCLUDES:

QTY. DESCRIPTION

- 1 Temperature Sensor, Linear (with 25 feet cable)**
- 2 UY Wire Splicing Connectors**

Pentair Water Pool and Spa, Inc.
1620 Hawkins Ave., Sanford, NC 27330 · (919) 566-8000
10951 W. Los Angeles Ave., Moorpark, CA 93021 · (805) 553-5000



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INSTALLATION:

Water Temperature Sensor Replacement Parts

1. Remove old Sensor and cable.
2. Use existing clamp to install new Sensor into plumbing
3. Run cable to the Power Center and connect to existing WATER temperature screw terminals: RED to (+) and GREEN to (-).

Solar Temperature Sensor

1. For unglazed panels, fasten Sensor next to solar panels. For glazed panels, suspend Sensor between collector and glazing.
2. Run a 2-conductor 22 AWG cable from the sensor to the Power Center. At the Sensor, cut off excess cable and use crimp connectors (included) to provide waterproof connections. Insert the 2 wires to be connected into the connector and squeeze the connector with a pair of pliers. **NOTE: Do not strip wires.**
3. At the Power Center circuit board, connect Sensor wires to the SOLAR screw terminals, RED to (+) and GREEN to (-).

Freeze Temperature Sensor for Cp3800, Cp3600, Cp3400, Cp3810, Cp3820 and Cp3830

1. Cut cable to approximately 2 ft. so that Sensor will hang from the bottom of Power Center. If necessary, Sensor may be located further from Power Center.
2. At the Power Center circuit board, connect Sensor wires to the FREEZE screw terminals.
3. If the Sensor will be located at a distance from the Power Center, run a 2-conductor cable between the Sensor and the Power Center. At the Sensor, use crimp connectors (included) to provide waterproof connections. Before making connections, cut off stripped ends of cable. Insert the 2 wires to be connected into the connector and squeeze the connector with a pair of pliers. **NOTE: Do not strip wires.**

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INSTALLATION:

Water Temperature Sensor Replacement Parts

1. Remove old Sensor and cable.
2. Use existing clamp to install new Sensor into plumbing
3. Run cable to the Power Center and connect to existing WATER temperature screw terminals: RED to (+) and GREEN to (-).

Solar Temperature Sensor

1. For unglazed panels, fasten Sensor next to solar panels. For glazed panels, suspend Sensor between collector and glazing.
2. Run a 2-conductor 22 AWG cable from the sensor to the Power Center. At the Sensor, cut off excess cable and use crimp connectors (included) to provide waterproof connections. Insert the 2 wires to be connected into the connector and squeeze the connector with a pair of pliers. **NOTE: Do not strip wires.**
3. At the Power Center circuit board, connect Sensor wires to the SOLAR screw terminals, RED to (+) and GREEN to (-).

Freeze Temperature Sensor for Cp3800, Cp3600, Cp3400, Cp3810, Cp3820 and Cp3830

1. Cut cable to approximately 2 ft. so that Sensor will hang from the bottom of Power Center. If necessary, Sensor may be located further from Power Center.
2. At the Power Center circuit board, connect Sensor wires to the FREEZE screw terminals.
3. If the Sensor will be located at a distance from the Power Center, run a 2-conductor cable between the Sensor and the Power Center. At the Sensor, use crimp connectors (included) to provide waterproof connections. Before making connections, cut off stripped ends of cable. Insert the 2 wires to be connected into the connector and squeeze the connector with a pair of pliers. **NOTE: Do not strip wires.**

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