*Anything else is simply not **Optimum** ®*

OPT- 7790
TEMPERATURE SENSOR
WATER/AIR/SOLAR
FOR AQUALINK® RS SYSTEMS
(RS 4, RS 6, RS 8, etc.)

FOR YOUR SAFETY: This product must be installed and serviced by a professional service technician, qualified in pool/spa installation. The procedures in this manual must be followed exactly. Improper installation and/or operation can create dangerous electrical hazards, possibly causing death, serious injury or property damage. Improper installation and/or operation will void the warranty.

IMPORTANT NOTE: DO NOT overtighten pipe clamp.

APPLICATION:

Temperature sensor used with all Jandy Aqualink systems. Replaces Jandy R-kit P/Ns 7784 Air/Solar Temperature Sensor Kit, 7786 Air/Water/Solar Temperature Sensor Kit, 7790 Air/Water/Solar Temperature Sensor Kit, 7791 Air/Water/Solar Temperature Sensor Kit

This sensor may be used as a **Water**, **Air**, or **Solar** sensor.

QTY.	DESCRIPTION
1	**Temperature Sensor, 10K, 15ft. w/ o-ring**
1	**Pipe Clamp (stainless steel)**

P/N TEMPS-J-10K

A: Sensor Installation

IMPORTANT: Turn off all power at the circuit breakers. If the equipment is <u>below</u> the elevation of the pool, turn off any valves to prevent pool water from draining.

For water temperature sensor:
1   Loosen the clamp and remove the old Water Temperature Sensor. (For a new installation Drill a 3/8" hole in the pipe between the filter pump and the filter.).
2   Ensure the o-ring is seated on the sensor and insert the sensor into the pipe.
3   Tighten the pipe clamp around the sensor. Be sure the wire is not under the pipe clamp or pinched.

For air temperature sensor:
1   Hang the Air Temperature Sensor in a convenient location exposed to shaded outdoor air temperatures.
2   As much as possible, keep the sensor from being exposed to direct sunlight at any time of day, as this will affect the accuracy of the temperature reading.

For solar temperature sensor:
1   Install the Solar Temperature Sensor next to the solar panels.
2   DO NOT place the sensor in the pipe or in direct sunlight.

B: Sensor Wiring
1   Run the sensor wire to the AquaLink RS Power Center. **Be sure to run the wire in the low voltage raceway (See wiring diagram on Power Center door).**
2   Remove the green 10-pin terminal bar from the Power Center Board.
3   Connect the temperature sensor wires to the green 10-pin terminal bar in the positions indicated on the wiring diagram located on the door of the Power Center.
4   Replace the green 10-pin terminal bar on the Power Center Board.
5   Restore power to the system and check for normal system operation.

IMPORTANT: Determine the length the sensor wire needs to be. Cut the end of the wire off, DO NOT splice this wire.