

IntelliChlor® Flow-Temperature Switch Replacement Kit



Installation Guide

Technical Support

Sanford, North Carolina (8 A.M. to 5 P.M.)

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Related IntelliChlor Manuals

IntelliChlor User's Guide (P/N 520589)

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IntelliChlor Flow-Temperature Switch Replacement Kit Contents

Replacement kit contents:

- Flow-Temperature switch assembly
- Two pair-at-a-time splicer

Step 1: Switch OFF power to the pool pump and the IntelliChlor cell before starting.

Step 2: Remove the flow-temperature switch from the IntelliChlor cell.

To remove the flow-temperature switch from the IntelliChlor cell:

1. Using a small Phillips screwdriver, remove the flow-temperature switch cover screw, then remove the cover from the cell.



2. Loosen the flow-temperature switch cable that is wrapped around the switch nut. Note the direction of the arrows on top of the switch nut.
3. Cut the cable close to the switch to allow enough wire for the new switch cable to be connected to.



4. Using a flat 1/2" (30 mm) wrench carefully unscrew the flow-temperature switch assembly until the switch can be removed from the cell. Be careful not to damage the cell plastic coupling with the edge of the wrench.

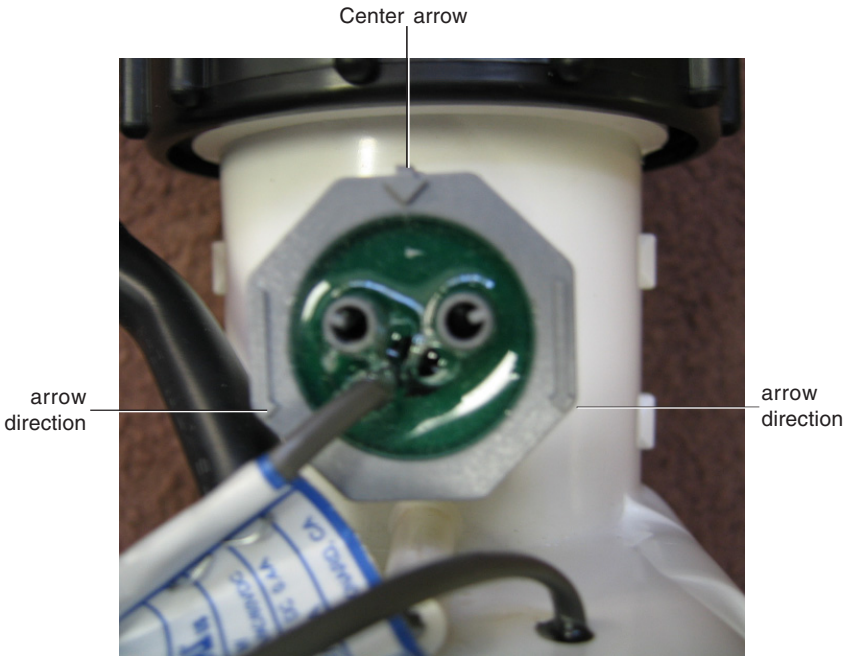
Unscrew nut counterclockwise to remove flow-temperature switch assembly



Step 3: Install the replacement flow-temperature switch

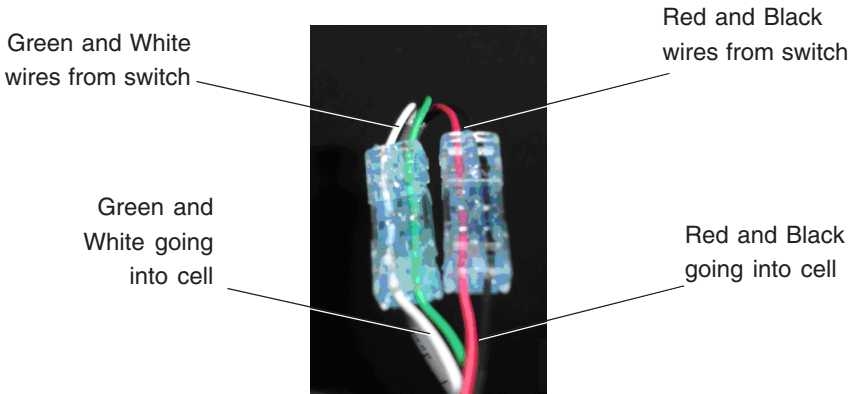
To replace the flow-temperature switch:

1. Insert the flow-temperature switch into threaded hole in the cell and hand tighten the switch as much as possible.
2. Using a flat 1/2" (30 mm) wrench carefully tighten the flow-temperature switch assembly until the switch thread nearly bottoms out.
3. Tighten the switch nut until the arrows on the top of the switch nut are pointing in the flow direction and the center arrow is aligned in the center position as shown below.

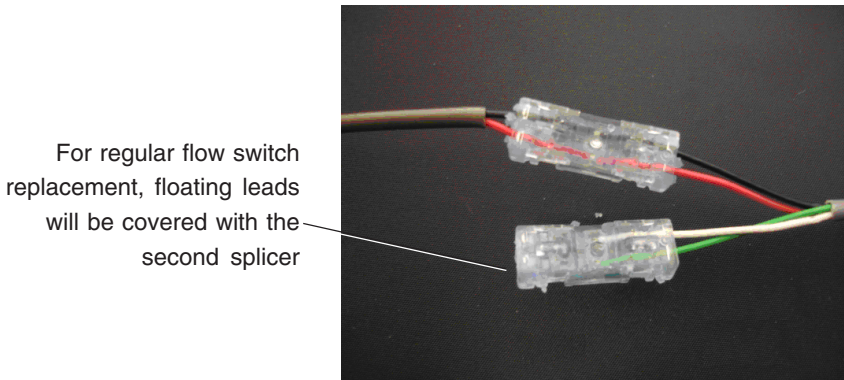


4. Strip back the two wires on the replacement flow-temperature switch cable and the switch wire that was cut.

5. Insert the red and black wires from the switch into one end of the water-tight (pair-at-a-time) connector and crimp using pliers. Then insert the red and black wire going into the cell into the other end of the water tight connector and crimp using pliers. Attach the red wire from the flow-temperature switch to the red wire going into the cell. Insert both of these wires into the water-tight connector and crimp using pliers. Repeat for black wire. Wrap the excess wire around the flow-temperature switch nut.



6. If replacing a regular flow switch (red and black wires only), insert green and white wires from new flow-temperature switch into one end of the second water-tight connector and crimp using pliers. This will provide electrical insulation for the floating leads.



7. Wrap the excess wire around the flow switch.
8. Replace the switch cover and secure it with the small Phillips screws.



9. The IntelliChlor is now ready for operation.
10. Switch the power on to the pool pump and the IntelliChlor cell.

Notes

