

INTERNATIONAL LTD  
THERMAL RESEARCH

# TECHNICAL BULLETIN

Heating Systems	November 13, 2007	Bulletin Identification No.: MTB-102-22
Release Type: Public		Standard Repair Time: 45 Minutes

**Affected Model(s):** OASIS CH50

**Effective Date:** August 1, 2007

**Effective Serial Number:** CH50X-XXXX-1436

**Description:** Aquastat upgrade

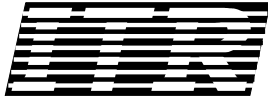
**Part No. (Old):** 1031 - 160-10F Cycling aquastat (screw type)  
Or  
1121: 160-10F Cycling aquastat (sealed)  
2130-10: 160-10F Cycling aquastat assembly (sealed)

**Part No. (New):** 2130-20: A73 Cycling aquastat assembly

### Short description of change:

The cycling aquastat has been changed to a faster responding aquastat. If an Oasis, prior to this change, has had a problem with high limit faults, change the cycling aquastat by following the instructions below:

AQUASTAT CHANGE PROCEDURE	
	<p>Tools needed:</p> <ol style="list-style-type: none"> <li>1. Philips head screw driver short</li> <li>2. Philips head screw driver long</li> <li>3. Pan head screw driver</li> <li>4. Wire crimp tool</li> <li>5. Wire stripper / cutter</li> <li>6. Mirror with extension</li> <li>7. Flexible socket wrench 11/32</li> </ol>



INTERNATIONAL LTD  
THERMAL RESEARCH

# TECHNICAL BULLETIN

Heating Systems	November 13, 2007	Bulletin Identification No.: MTB-102-22
Release Type: Public		Standard Repair Time: 45 Minutes



Turn off the heater



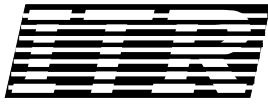
Remove the front plate.  
Unscrew the 10 screws.



Canada customer contact info:  
International Thermal Research Ltd.  
2431 Simpson Road,  
Richmond, BC, Canada, V6X 2R2  
Tel: (604) 278-1272, Fax: (604) 278-1274  
Toll Free: 1-800-755-1272

Reference to MCR-102-10  
Page 2 of 5

USA customer contact info:  
International Thermal Research Inc.  
11915 NE 56th Circle, Suite B  
Vancouver, WA, USA, 98662  
Tel: (360)-993-4877, Fax: (360)-993-1105  
Toll Free: 1-800-993-4402



INTERNATIONAL LTD  
THERMAL RESEARCH

# TECHNICAL BULLETIN

Heating Systems	November 13, 2007	Bulletin Identification No.: MTB-102-22
Release Type: Public		Standard Repair Time: 45 Minutes



Remove the large 32-pin connector from the control board. This will ensure the heater doesn't turn on if the power button gets pressed accidentally.



Unscrew the hour meter cover plate.

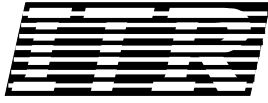


Remove the front section. Use the long screw driver and loosen the 7 screws holding the section in place. Use the mirror if some screws are difficult to see.

Canada customer contact info:  
International Thermal Research Ltd.  
2431 Simpson Road,  
Richmond, BC, Canada, V6X 2R2  
Tel: (604) 278-1272, Fax: (604) 278-1274  
Toll Free: 1-800-755-1272

Reference to MCR-102-10  
Page 3 of 5

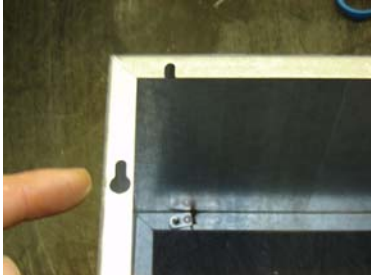


USA customer contact info:  
International Thermal Research Inc.  
11915 NE 56th Circle, Suite B  
Vancouver, WA, USA, 98662  
Tel: (360)-993-4877, Fax: (360)-993-1105  
Toll Free: 1-800-993-4402



INTERNATIONAL LTD  
THERMAL RESEARCH

# TECHNICAL BULLETIN

Heating Systems	November 13, 2007	Bulletin Identification No.: MTB-102-22
Release Type: Public		Standard Repair Time: 45 Minutes

	<p>The front section is mounted with a keyhole. Lift up the front section about 1/4" up and the pull forward. The screw head will fit through the keyhole.</p> 
	<p>This is the new cycling aquastat assembly.</p> <p>Part # 2130-20</p>
	<p>To replace the cycling aquastat, remove the top nut and square washer. Loosen the bottom nut. Slide the aquastat out.</p>

Canada customer contact info:  
International Thermal Research Ltd.  
2431 Simpson Road,  
Richmond, BC, Canada, V6X 2R2  
Tel: (604) 278-1272, Fax: (604) 278-1274  
Toll Free: 1-800-755-1272

Reference to MCR-102-10  
Page 4 of 5

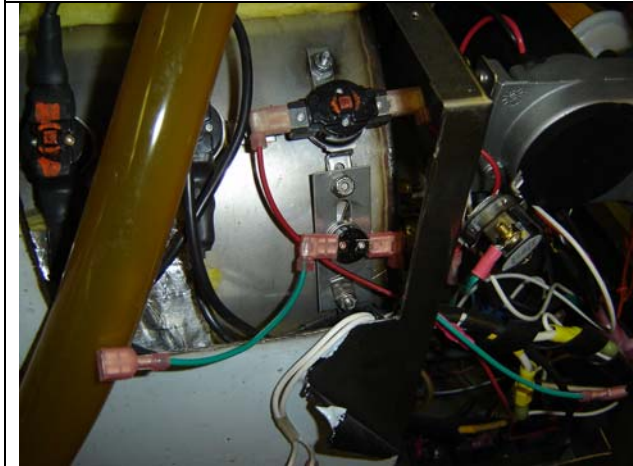
USA customer contact info:  
International Thermal Research Inc.  
11915 NE 56th Circle, Suite B  
Vancouver, WA, USA, 98662  
Tel: (360)-993-4877, Fax: (360)-993-1105  
Toll Free: 1-800-993-4402



INTERNATIONAL LTD  
THERMAL RESEARCH

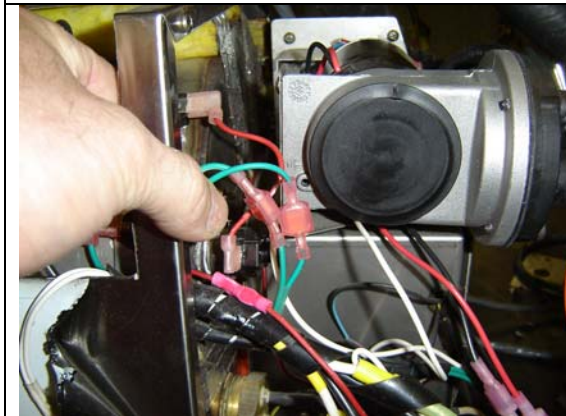
# TECHNICAL BULLETIN

Heating Systems	November 13, 2007	Bulletin Identification No.: MTB-102-22
Release Type: Public		Standard Repair Time: 45 Minutes



Slide the new aquastat bracket under the bottom square washer in position and tighten the bottom nut.

Place a new nut on top and tighten down together with high limit aquastat tab.



Connect the green wires from the aquastat to the OASIS wiring harness.

Place the front section back, close the aquastat cover and reconnect the 32-pin connector to the board. Turn on the power and check the operation of the heater.

Re-mount the front panel.