

11285 Elkins Road Bldg. H-1 • P.O. Box 803 • Roswell, GA 30076

Haloguard® and Haloguard IR® Monitors

TEL (770) 667-3865 FAX (770) 667-3857

Please Visit our web site at www.thermalgas.com.

AUTHORIZED FACTORY REPRESENTATIVE FINAL INSPECTION CHECKLIST HALOGUARD II IR

PRIOR TO START-UP

INSTALLATION INSPECTION

1. Ensure that the controller is securely mounted to the wall or support, approximately five feet off the floor using the four (4) mounting holes.

Findings and any Corrective action taken:

2. Ensure that the sensors are located near potential leaks in a quiet area or downstream from leak source in area with air movement and that there are no kinks in the sensor wiring. Ensure that sample pick-up tubes are located near potential leaks in a quiet area or downstream from leak source in area with air movement and that there are no kinks in the tubing.

Findings and any Corrective action taken:

3. Ensure that the sample tubes are located approximately 18" - 24" above the finished floor and that the area is not subject to flooding, potential impact or severe ambient temperature or humidity changes.

Findings and any Corrective action taken:

4. Ensure end-of-line filter assemblies are in place and that the white porous filter has not been painted over, damaged or clogged in any way.

Findings and any Corrective action taken:

CONNECTIONS INSPECTION

5. Perform the following tests with power off. Remove lower cover (2 screws). Visually inspect that the sensor cables have been wired correctly, White to SIG and Black to GND, (and Red to +V only if an Oxygen depletion sensor is present).

Findings and any Corrective action taken:

6. Inspect for loose wire strands that could cause the system to short. Gently blow out construction debris from instrument with compressed air if available. Check all screw terminals for tightness.

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Findings and any Corrective action taken:

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ve been connected to the unit
eir INLET fittings (barb or push-in).
E WARM-UP PERIOD; put readings displayed on the LCE seconds. Press "Manual" button to e to factory settings on last page o
m and Low Alarm jumpers for each Compare to factory settings on last
s) from RUN to SETUP. Observe IP MODE within 2 minutes. At the sor Module is 4.975 VDC. Replace

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PROGRAMMING TEST PROCEDURES (cont'd)

Caution:

The following procedure will activate Alarm Relays. Take proper precautions to disconnect equipment or alert necessary personnel before proceeding.

12.a. Alarm Relay Test (for controllers with serial numbers of 4557and lower only)

Press **and hold** "TEST" Pushbutton. The following should happen:

- -The Low Alarm relay will energize for a second then de-energize. Then the High and Offscale Alarm relays will energize for a second then de-energize. The procedure repeats as long as the TEST pushbutton is held. (Caution: there may be power on relays if connected to external devices). Use ohmmeter to confirm that unused relays are energized,
- -The local strobe should engage for High and Offscale alarms
- -The audible alarm will beep.
- -The on board LEDs will flash the appropriate alarm.
- -The on board Analog Output will output 5Vdc (10Vdc if so trimmed).
- 12.b. Alarm Relay Test (for controllers with serial numbers above 4557only)

Press "TEST" push-button. Energizes alarm relays, lights, audible and remote alarms (if equipped). Analog outputs will go full scale. Depress button five (5) times to sequence through each alarm type and return to run mode.

Findings and any Corrective action taken:
13. Move the jumper to JP1. Record the software version number or date code.
Version Number/ Date Code:
OPTIONS INSPECTION

OPTIONS INSPECTION

Oxygen Sensor

14. Verify that all Oxygen sensors are mounted in a vertical down orientation.

Findings and any Corrective action taken:

15. Observe the Haloguard II LCD for the oxygen content at each sensor location. Locate sensor adjustment screw in sensor head cover. Adjust until controller LCD shows normal Oxygen atmosphere (typically 20.9% - 21.0%).

Findings and any Corrective action taken:

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