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**AUTHORIZED FACTORY REPRESENTATIVE
FINAL INSPECTION CHECKLIST
HALOGUARD® CMOS REFRIGERANT MONITOR**

PRIOR TO START-UP

INSTALLATION INSPECTION

1. Ensure that the monitor 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 sensor is 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.

Findings and any Corrective Action taken:

3. Ensure that the sensor is 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 fluctuations.

Findings and any Corrective Action taken:

4. Ensure that the sensors' 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 the clear lid and faceplate (4 screws). Visually inspect that the sensor cable has been wired correctly, Red to +V, White to SIG and Black to GND.

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.

Findings and any Corrective Action taken:

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CONNECTIONS INSPECTION (cont'd)

7. Verify that all external accessories (horns, strobes, etc.) have been connected to the unit properly. Document all devices and alarm relays connected below.

Alarm 1 relay:

Alarm 2 relay:

Off-Scale Alarm relay:

Fault relay:

Analog Output:

POWER UP THE UNIT.

AFTER THE 20-MINUTE WARM-UP PERIOD;

PROGRAMMING TEST PROCEDURES

8. Verify that the refrigerant type and current PPM reading is displayed on the LCD screen. Compare the refrigerant displayed to factory settings on last page of O&M manual.

Findings and any Corrective Action taken:

9. Move jumper from "Run" to "Alarm". Note alarm settings for Alarm 1. Press "Enter". Note Alarm Settings for Alarm 2. Compare to factory settings on last page of O&M manual and confirm alarm settings with end-user. Move jumper from "Alarm" to "Run".

Findings and any Corrective Action taken:

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

10. Push TEST button five times to check; alarm relays, lights, audible and remote alarms (if equipped) as follows.

- First press of TEST pushbutton. FAULT alarm relay, and LED will energize. Audible will sound at a slow beep rate.
- Second press of TEST pushbutton. ALARM1 relay, and LED will energize. Audible will sound at a faster beep rate and strobe will flash.

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PROGRAMMING TEST PROCEDURES (cont'd)

- Third press of TEST pushbutton. ALARM2 relay, and LED will energize. Audible will sound at a faster beep rate and strobe will flash.
- Fourth press of TEST pushbutton. OFFSCALE relay, and LED will energize. Audible will sound as a continuous tone and strobe will flash.
- Fifth press of TEST pushbutton. Haloguard returns to normal run condition.

Findings and any Corrective action taken:

11. Move the jumper to J5. Record the software version number or date code.

Version Number/ Date Code: _____

OPTIONAL

12. If required, perform calibrated gas sensor test & demonstration using instructions provided with the test kit. Alternatively, refrigerant released into plastic (garbage) bag can be used for demo purposes.

Description of Gas Demonstration, Findings and any Corrective action taken:

16. To be filled in by person performing final inspection

Inspection Performed By: _____

Signature: _____ **Date:** _____

Company Name: _____

Please distribute COMPLETED original & copies as follows:

- Original to End-User
- Copy to Authorized Service Representative
- Copy to Thermal Gas Systems