

Maintenance Procedures for:

SightLogix
SightSensor Products



Maintenance Procedures, SightSensor:

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SightLogix SightSensor Maintenance Procedures:

Introduction: The following procedures are used to maintain SightLogix SightSensor products installed in the outside plant environment.

Background: The SightSensor is constructed in a robust, sealed and pressurized enclosure. As assembled, the SightSensor is a water and dust tight unit and its internal components are protected from most outdoor conditions.

On a regular basis, some basic maintenance steps are suggested to ensure the optimum viewing and operational performance of the unit. Of course, local maintenance needs may vary depending on conditions at the installation site.

Suggested Equipment and Materials:

Description	Suggested Product to use:		Suggested Source of Supply	Qty Req'd
Digital Pressure Gauge		p/n 6091A71	McMaster Carr www.mcmaster.com	1
Fin Cleaning Brush		p/n 63935T35	McMaster Carr www.mcmaster.com	1
Surface Cleaning Brush (w/soft bristles) or Sponge		p/n 70505T14	McMaster Carr www.mcmaster.com	1
Canned Air		Dust-Off® Compressed Air XL, 10 oz p/n NT56-918	Edmund Optics www.edmundoptics.com	AR
Lens Cleaning Solution, Alcohol Based		Purosol™ Optical Cleaner p/n NT57-727 (4 oz. Spray Bottle)	Edmund Optics www.edmundoptics.com	AR
Optical Cloth		Edmund Optics Lens Tissue – Industrial Grade p/n NT60-375 (500 sheets)	Edmund Optics www.edmundoptics.com	AR
Mild Soap		Ajax or any other Dish Liquid (without hand softener additive)	Any food store or department store	AR

Other On-Site Supplies Used:

Description	Qty Req'd
Water Source w/Hose and nozzle (power washer is permitted if set to low end of nozzle pressure range)	1
Bucket to mix Soap solution	1

Tools Required:

- No tools are required unless removal of the unit is necessary
- If removal is required, first disconnect the main cable and ground wire (if used) and use a 7/16 wrench to remove the (3) 1/4-20 mounting bolts while supporting the unit to prevent it from falling once the bolts are removed.

Maintenance Procedures:

1. Inspection:

- 1.1. Inspect the unit as installed and assess any damage or heavy accumulation of dirt or debris.
- 1.2. Inspect the mounting bolts and positioning/mounting brackets – if loose, re-tighten.
- 1.3. Inspect the connector, and cable pigtail for any damage or excessive wear.
- 1.4. Inspect in-between the SightSensor housing unit and its sunshield for evidence of small animal or insect nesting. Use caution to avoid any swarming insect danger and/or stings.
- 1.5. Report any equipment damage, evidence of vandalism, excessive wear of mounting or cabling or evidence of nesting to the site supervisor so that future preventive measures may be taken.

2. Wash the unit with Mild Soap and water:

- 2.1. Using the bucket, mix up a solution of mild soap Dish Liquid and water. Warm water is preferred if available, but not necessary.
- 2.2. With the hose and nozzle, or pressure washer, spray down the exterior of the unit to remove the heavy and/or loose dirt and debris and wet down all surfaces.
- 2.3. Spray out the spaces in between the housing unit and the sunshield to flush out any small animal or insect nesting that may exist.
- 2.4. If any nesting or insect debris remain after hosing, use the fin cleaning brush to run through the fin spaces and clean out the debris. Use the brush from both ends of the unit as required. Flush with more spray water and repeat as necessary to clean out the fins.
- 2.5. Using the Surface cleaning brush and the soapy solution, gently wash all accessible exterior surfaces of the unit, including the sunshield, the mounting hardware if needed, the rear (with connector attached) and the front (with viewing window). When washing the front, avoid heavy scrubbing on the window and let the soapy solution work to remove the dirt from the window. Lightly use the surface cleaning brush to loosen and remove any remaining debris. Rinse with water and repeat as necessary.

3. Clean the Window with Lens cleaning solution and wipes:

- 3.1. Using the canned air, blow off any remaining moisture or debris from the front window. It is important to remove all dust and particles as they may damage the optic in the next cleaning step.
- 3.2. Spray the lens cleaner solution onto the window liberally.
- 3.3. Using the Lens cloth, wipe the window in a circular motion using only light hand pressure working towards the outside of the window circumference until it is dry and streak free. Avoid touching the window with your fingers, as your fingers contain oils that may re-contaminate the surface. Repeat as necessary to achieve a clean, streak free surface.