

# Migration Solutions for Legacy Products

OPECL to FlexSight™ LS2000  
Line-of-sight Detector Upgrade



# Advance Protection and Lower Cost

# Upgrade Specifics

## OUR NEVER COMPROMISE ATTITUDE

Det-Tronics systems protect lives and valuable assets around-the-clock globally. We are driven to improve systems to reduce risk and advance protection.

**Why upgrade?** The latest generation products will:

- ▲ Meet or exceed current regulatory approval requirements
- ▲ Reduce the total cost of operation
- ▲ Speed installation and maintenance tasks
- ▲ Enhance user experience and interaction

It's time to upgrade to a higher standard.



## FlexSight™ LS2000 Line-of-Sight Detector Is an Advancement



**THIRD-PARTY  
CERTIFIED  
FROM 5 TO  
120 METERS**

**AND FROM  
-55°C TO  
+75°C (-67°F  
TO +167°F)**



Your local representatives can help you implement site-specific solutions tailored to meet your change requirements. Contact them today to begin the product migration process.

### APPLICABLE LEGACY PRODUCTS:

- ▲ OPECL – Relay/4-20ma
- ▲ OPECL – EQP/LON

Compared to legacy products, the FlexSight™ LS2000 Line-of-Sight Detector:

Enhances performance

- ▲ Comprehensive onboard event logs
- ▲ Highly Visible LED status indicators
- ▲ More consistent signal strength for more accurate measurements

Reduces maintenance cost

- ▲ Simple alignment procedure—over 50% reduction in setup time
- ▲ Simple replacement of OPECL with LS2000 on EQP LON—no programming required
- ▲ Best in industry alignment tolerance (0.8°)—stays aligned
- ▲ Best in industry warranty (5yrs/10yrs – source lamp)

### OPECL LIFECYCLE

MANUFACTURED 2004–SEPTEMBER 2019

SUPPORTED 2004–JANUARY 2022

### FLEXSIGHT™ LS2000 LIFECYCLE

MANUFACTURED 2015–FUTURE

SUPPORTED 2015–FUTURE

## INSTALLATION REQUIREMENTS

- Tools: Screwdriver, wrenches
- Time: 1 hour per unit
- Power\*
  - Transmitter: 10.7 watts max @ 24Vdc
  - Receiver: 7.2 watts max @ 24Vdc
- Space: Same footprint as the OPECL
- Communication: Same options as the OPECL

\*LS2000 power draw at the 30% heater setting is equivalent to the OPECL

Refer to pages 15-29 of the instruction manual.



### SIMPLE INSTALLATION

### ACCESSORIES

- 012287-002: LS2000 Alignment Tool
- 012673-001: System Test Films, LS2000
- 103922-003: AMS Trex™ HART Communicator
- 014020-001: W6300G1006 Gas Inspector II Kit (PC software and connection hardware included)
- 009246-003 Gas Test Cell, LS2000 Methane ISO
- 009246-004 Gas Test Cell, LS2000 Methane IEC
- 009246-005 Gas Test Cell, LS2000 Propane ISO
- 009246-006 Gas Test Cell, LS2000 Propane IEC
- 009246-007 Gas Test Cell, LS2000 Butane ISO
- 009246-008 Gas Test Cell, LS2000 Butane IEC
- 012718-003: Flat Surface Adapter Plate (converts OPECL flat surface mounting to LS2000)
- 012790-001: Thermal Shield for Right Module
- 012791-001: Thermal Shield for Left Module

## MAINTENANCE

- Calibration: Zero calibration only required after alignment is performed
  - Alignment: Only required at startup—best in class alignment tolerance
  - Service: The optics can be cleaned with isopropyl alcohol as needed
  - Parts: Spare transmitter and receiver modules are available and can be replaced without removing wiring or interfering with the alignment
  - Functional: Checks performed as required by local regulations – test films are available to test low and high alarm outputs
  - Warranty: 5 years, 10 years on the source lamp
- Refer to page 30 of the instruction manual.

### MAINTENANCE PLANNING

	Spares	Repairs
LS2000:	Yes	Yes
OPECL:	2018*	2020*

\*Available until the end of the listed year

### SUPPORT MATERIALS

95-8714:	Instruction Manual
90-1215:	Spec Sheet
95-8727:	Safety Manual
51-1008:	Features and Benefits Video
51-1009:	Install and Commission Video
51-1018:	Upgrade Video

SUPPORT MATERIALS AVAILABLE AT:  
[WWW.DET-TRONICS.COM](http://WWW.DET-TRONICS.COM)



# The Global Leader in Fire and Gas Safety Systems

QUALITY // PROTECTION // SOLUTION // FLEXIBLE // FUNCTIONAL // RELIABLE // EXPERIENCED // ENGINEERED // ADVANCED

## Additional Product Migrations:



**LEGACY**  
FLAME DETECTORS



**X-SERIES**  
FLAME DETECTORS

### KEY UPGRADE FACTS:

- ▲ Improved false alarm rejection
- ▲ Onboard event logs
- ▲ Detects more flame types
- ▲ Longer warranty



**LEGACY TX (U9500)**  
DISPLAYS



**FLEXVU® UD10/UD20**  
UNIVERSAL DISPLAYS

### KEY UPGRADE FACTS:

- ▲ Large, heated backlit display
- ▲ Onboard calibration logs
- ▲ Non-intrusive menu interface
- ▲ Easy install and legacy compatibility



**LEGACY (C706X)**  
TOXIC GAS DETECTORS



**GT3000**  
TOXIC GAS DETECTORS

### KEY UPGRADE FACTS:

- ▲ HART communication
- ▲ Onboard calibration logs and status LED
- ▲ Hot swappable replacement sensors
- ▲ One transmitter model for all gas types

Learn more about these products at [www.det-tronics.com](http://www.det-tronics.com) or speak to your local representative.



FlexSonic® Acoustic  
Leak Detector



X3301 Multispectrum  
IR Flame Detector



PointWatch Eclipse® IR  
Combustible Gas Detector



FlexVu® UD10 Universal Display  
with GT3000 Toxic Gas Detector



Eagle Quantum Premier®  
Safety System

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### Corporate Office

6901 West 110<sup>th</sup> Street  
Minneapolis, MN 55438 USA  
[www.det-tronics.com](http://www.det-tronics.com)

Phone: +1 952.941.5665  
Toll-free: +1 800.765.3473  
Fax: +1 952.829.8750  
[det-tronics@det-tronics.com](mailto:det-tronics@det-tronics.com)

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