

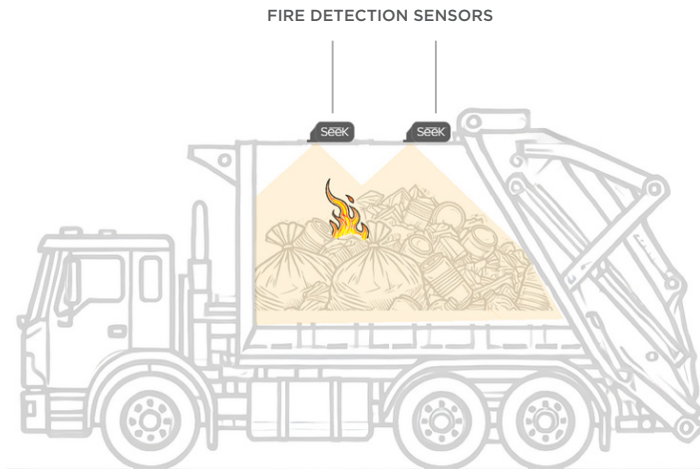
# Guardian Series

## EARLY FIRE DETECTION FOR COLLECTION VEHICLES

- Detect and dump fires before they get out of hand
- Specifically designed for garbage trucks
- Notifies truck personnel with visual and audible alarms
- Live thermal view of the compactor from inside the cabin
- Easy to install, simple to operate, and built to last
- Accurate, automated, and affordable

Seek<sup>®</sup>  
thermal

thermal.com



Fires in garbage trucks are an escalating problem, driven by the increasing improper disposal of batteries. These fires can have devastating consequences if left undetected, risking lives, property, and causing significant downtime. Seek Thermal's advanced fire detection kit offers a comprehensive solution designed to monitor, alert, and protect.

By continuously monitoring the compactor for early signs of fire, it triggers immediate in-cabin alerts, enabling prompt action to mitigate risks and enhance operational safety.

This all-in-one system includes two Seek fire detection sensors, a power box module, all required cables and mounting hardware, and an in-cabin display for real-time monitoring and alerts.



Designed and Manufactured in the USA  
with Global Components.

### KEY FEATURES

#### Two Fire Detection Sensors

The kit includes two Seek Thermal sensors to ensure complete coverage of the truck's compactor.

#### Industrial Grade 12V PoE Switch

Power the entire system from the truck's battery.

#### Robust In-Cabin Display

Rugged touchscreen display provides clear visual alarms and a continuous live feed of thermal imaging.

#### Your Complete Solution in a Single Kit

Comes with the sensors, display, cabling, and mounts required to withstand harsh environments.

### BENEFITS

#### Early Fire Detection

Detects fires in the compactor at the earliest stages to minimize risks and prevent costly damage.

#### Real-Time Alerts

Provides instant in-cabin alerts for immediate response to potential hazards.

#### Complete Coverage

Wide-angle thermal sensors ensure full visibility of the compactor.

#### Enhanced Safety

Protects lives and property by identifying fire threats before they escalate.

## TECHNICAL SUMMARY

DESCRIPTION	SPECIFICATIONS
Alarm Response Time	< 3 seconds
Continuous Live Feed	Yes
Visual In-Cabin Alarm	Yes
Audible In-Cabin Alarm	Yes
Temperature Range	-4°F to 1,022°F (-20°C to 550°C)
Operating Temp	14°F to 140°F (-10°C to 60°C)
Display	5" Touch Display
Input Voltage (PoE)	12V
Sensor Size	4.13 x 1.97 x 1.97 inches (105 x 50 x 50 mm)
Sensor Weight	0.75 lbs (340 grams)
For support and user guides visit <a href="http://thermal.com">thermal.com</a>	



Detect and dump fires before they get out of hand



Notifies truck operators with visual and audible alarms



In-cabin display with real-time monitoring and alerts



Specifically designed for garbage trucks



Easy to install, simple to operate, and built to last

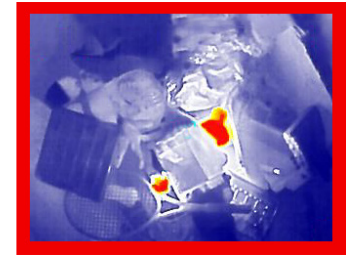


Accurate, automated, and affordable

## DETECTION STATES



NO FIRE DETECTED



FIRE DETECTED [ALARMING]

## IN FIELD APPLICATION



MOUNTS / INSTALLATION



IN-CABIN DISPLAY

## WHAT'S IN THE BOX

Part Number: **TQ-AAA**

- Two Seek Thermal fire detection sensors
- Under the seat power module
- In-cabin display with integrated speaker
- Cables
- Mounts

## ABOUT SEEK THERMAL

### Industry Leader in Firefighting Cameras

Seek Thermal is a proven leader in the firefighting market, trusted by fire services worldwide for our innovative unique approach to proving safety for firefighters. We specialize and work directly with fire fighters to make the best products possible to detect fires fast and provide safety. We have taken this expertise and applied it directly to the garbage truck fire problems that are ramping up today.

### Proven Track Record

Seek Thermal engineers, designs and manufacturers high quality thermal imaging products and core platforms for consumer, commercial, and industrial applications. The company was founded in 2012 by two industry pioneering scientists, Bill Parrish, PhD and Tim Fitzgibbons PhD, who spent 40 years advancing the state of military and professional-grade thermal imaging technology. Following their previous two companies, Amber Engineering and Indigo Systems, each with successful acquisitions, Seek Thermal is their third venture with the mission to make thermal imaging a part of everyday life.

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*This system is intended to assist in identifying elevated heat conditions. Detection of all fire events or hazardous conditions is not guaranteed. Specifications and undocumented specifications are subject to change without notice.*