



# Aspirating Smoke Detectors for cold storages

DEVELOPED AND OPTIMISED IN NORWAY SINCE 1992, TO GIVE EARLY DETECTION OF FIRE AND INCREASED SAFETY IN REFRIGERATED & DEEP-FREEZE AREAS.



# High protection - low maintenance

Cold storage demands special requirements of the fire alarm system. Elotec Aspect is a purpose-built aspirating smoke detection system, developed specifically for the toughest environments. In cold storage and freezer facilities, traditional detection methods struggle with icing, slow smoke movement, and unwanted alarms.

Aspect overcomes these limitations with a uniquely engineered detection system that thrives even in extreme cold and provides early and reliable fire detection in the challenging environments.

#### ELOTEC ASPECT OFFERS SEVERAL BENEFITS:

- Fires are detected in their early stages.
- Staff remain vigilant and respond promptly to alarms.
- Fire alarms are handled professionally, preventing them from escalating into major incidents.
- Loss prevention is maximized while minimizing the risk of business interruptions.
- Maintenance costs are kept low.

#### ALL-IN-ONE DESIGN

With integrated switch-mode power supply(12/24/220V), battery backup, dual-zone detection, and rugged housing, Aspect simplifies installation and reduces component count on site.

#### COST-SAVING INSTALLATION

Elotec Aspect is designed to be installed directly inside the cold or freezer environment it protects. This minimizes the need for costly additional equipment that would otherwise

be necessary to handle the demanding conditions. By locating the detector in the same climate zone, the system reduces typical challenges such as condensation, icing, and pressure fluctuations, ensuring more stable operation and quicker response times.

#### MAINTENANCE WITHOUT INTERRUPTIONS

Filters and sensors are easy to access. The system includes automatic airflow learning and intuitive diagnostics via the mobile app. Remote commissioning and servicing reduce disruption to all operations.

#### USER FRIENDLY APP

Aspect Tool app provides Bluetooth/WiFi access to diagnostics, parameter tuning, and report generation

ELOTEC ASPECT IS CERTIFIED is certified in accordance with EN 54-20 and EN 54-4, and complies with the requirements of the Construction Products Directive (CPD). The system is also VdS-approved, confirming its high quality and reliability for demanding environments - including cold storage and freezer applications.



Dual-area detection allows cost-effective coverage of multiple freezer zones.



Integrated power supply (230V/12V/24V) and battery backup up to 30 hours with 18Ah battery. Note: When installing the Aspect in sub-zero temperatures, the battery must be placed in a heated enclosure or in an environment with temperatures above freezing.



Fully operational inside cold and freezer rooms down to -40°C, without requiring costly heating kits, special enclosures, or pipe insulation systems.



Filters that handles condensation and moisture in refrigerated areas easily.



EN 54-20 (VdS) certified for Class B and C, ensuring reliable smoke detection even in low-airflow environments like cold storage with stagnant or slow-moving air.

# Saving life and values since 1992

From uninsulated buildings north of the Arctic Circle to seafood warehouses and pharmaceutical freezers in the Middle East, Elotec Aspect has proven its reliability in some of the world's most demanding environments. With over 30 years of experience protecting cold storage facilities in the harsh Nordic climate, Elotec has developed a detection system that offers early warning, robust performance, and long-term stability. That expertise is built into every unit, making Elotec Aspect a trusted choice for critical cold and freezer applications around the world.



Elotec fire alarm has saved values for over 345 million euros over the last ten years. Do you want us to protect yours?