



SAMPLE EXTRACTION SMOKE DETECTION SYSTEM

EARLY FIRE DETECTION ↓

The Survitec Sample Extraction Smoke Detection system provides early detection of fires in cargo holds by continuous smoke monitoring in up to 48 smoke sampling lines / cargo holds simultaneously. Air samples are drawn from the cargo holds via already existing piping and automatically monitored for smoke contamination. To minimise installation costs the smoke detection system normally uses the same pipe work as the CO₂ fire extinguishing system.

FEATURES

- AUTOMATIC AIR SAMPLING AND MONITORING OF UP TO 48 CARGO HOLDS SIMULTANEOUSLY
- UTILISES EXISTING CO₂ PIPEWORK
- COMPLETELY AUTOMATED AND SELF-ADJUSTING
- EXPLOSION PROTECTED TO IEC79 AND EN 50 020
- FANS SWITCH AUTOMATICALLY EVERY 24 HOURS TO GIVE EVEN LOAD ON MOTORS
- REPEATER PANELS ALLOW FOR MONITORING FROM KEY LOCATIONS ON BOARD
- ONE BUTTON CONTROL FOR SIMPLE TESTING AND RESETTING
- COST EFFICIENT, COMPACT AND MODULAR DESIGN



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Smoke detection panel

TECHNICAL DATA
Smoke detection panel consist of main control panel and display with built in from 1 up to 12 detection line depending on application.
Enclosure type IP66

Extension panel

TECHNICAL DATA
Extension panel in various combination is used when required detection line is from 12 up to 48 detection lines
Enclosure type IP66

Repeater panel

TECHNICAL DATA
Repeater panel for wall mounting
Repeater panel for console mounting
Enclosure type IP65

Fan unit

TECHNICAL DATA
Fan Unit for 220/230V 50/60Hz, 370W@50Hz, 440W@60Hz
Fan Unit for 110V 60Hz, 440W
Enclosure type IP54

Applications

- Dry cargo holds

Approvals

SOLAS chapter II -2
 FSS code chapter 10 MSC292
 Explosion protected to IEC 79 and EN 50 020

Typical system configuration

System configuration is designed to meet required response time according to FSS code. This with regards to number of sampling lines, pipe length and and pipe dimension. And number of fan units.

