9-30422

Air heater for freezer applications

Description

The Air Heater Box is designed to raise the temperature of the air drawn from a very cold environment by passing it across a heating element before it passes into the detector. In this manner, the problem of condensation on sampling pipeworkexternal to the protected area is minimised. Warming the air sample will also ensure the components of the detector operate within the specified temperature tolerances, and it reduces the possibility of surface condensation.

Overview

The AirSense Stratos range of High Sensitivity Aspirating Smoke Detectors are suitable for installation within an area only if the ambient temperature is expected to be above 0°C (the minimum operating temperature of a detector is typically -10°C: check the specification of the particular detector in question). Where the air temperature in the protected area is consistently below this temperature, it is imperative that the detector is mounted outside the protected area, in an environment where the temperature meets that specified for the detector. However, the sampled air from the protected area must be conditioned before it is passed into the detector.



Details

- Suitable for cold stores / cold rooms
- Mutiple sampling inlets

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Technical specifications

Electrical

Operating voltage	220 VAC
Current consumption	1.1 A (max)

Sampling pipe

Inlet quantity	4
Inlet size	27 mm OD
Exhaust	2
Exhaust size	27 mm ID

Physical

Physical dimensions	172 x 300 x 212 mm (W x H x D)
Net weight	2.8 kg
Cable entries	1 x M20

Environmental

Operating temperature	-10 to +60°C
Relative humidity	0 to 90% noncondensing
Environment	Indoor

Regulatory

Certification	EN54-20

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