

# IONISATION SMOKE DETECTOR ST-I-DA / 24V

with built-in service alarm

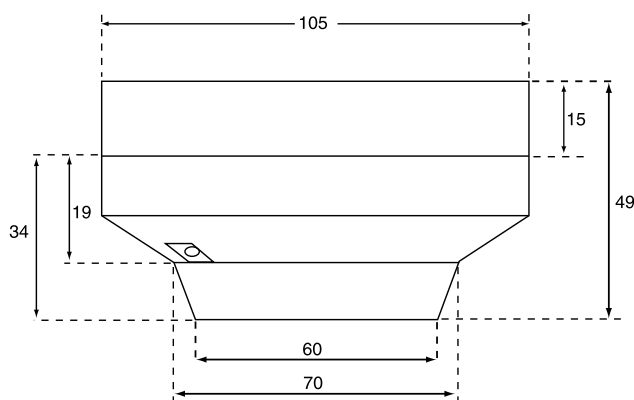
CE 6.1.6.6.E



## SPECIFICATION:

<b>Detector Module:</b>	White PC with metal net around the chamber
<b>Base:</b>	White PC
<b>Operating voltage:</b>	16-30VDC
<b>Operating current:</b>	0,04 mA
<b>Service alarm current:</b>	approx. 13 mA
<b>Alarm current:</b>	approx. 55 mA
<b>Operating temperature:</b>	-10°C to +50°C
<b>Max humidity:</b>	99% rF
<b>Max air velocity:</b>	15 m/s
<b>Radioactive source:</b>	Americium 241
<b>Activity:</b>	0,9µCi (Max 33 kBq)
<b>Approved by:</b>	Swedish Radiation Board
<b>Tests accoring to EN-54:</b>	LPC (England)
<b>Weight:</b>	Ca 180g
<b>Service alarm indication:</b>	Green LED
<b>Fire alarm indication:</b>	Red LED

## DIMENSIONS:



Mounting: 2 off M4

## GENERAL INFORMATION:

The ion smoke detector gives an early warning of a starting fire. It is designed to detect smoke particles of a fire before open flames can be seen.

The ST-I-DA detector is based upon the double chamber principle, where the open chamber monitors the smoke particles in the air and the closed reference chamber is compensating for changes in the atmosphere, i.e. air pressure, humidity and temperature.

Alarm is obtained when smoke particles are present in the open chamber. The alarm is indicated by a red LED on the detector, and the alarm status continues until manual reset is made on the control unit. The ion detector is used everywhere an early warning of a starting fire is required, i.e. archives, libraries, computer rooms, storage rooms, corridors, ventilation ducts etc.

The detector design provides strong immunity to air velocities, contamination and RF interference.

The detector module fits into the base by means of the bayonet principle, enabling easy mountage of the detector.

If the detector is contaminated it will gradually go into an alarm position. In order to avoid nuisance alarms, the detector is provided with a pre-alarm or service alarm (green LED) showing that the detector module should be cleaned.

## ELECTRICAL DIAGRAM:

