Addressable Fixed-Temperature Heat Detector with Built-in Isolator
S2-AHD-300

S2-AHD-300 is addressable Fixed Temperature Heat Detector, using a temperature-sensitive sensor. When the temperature in the surrounding area reaches over 54-70°C, it reports a fire alarm to the central panel. This detector is suitable for locations where smoke-producing substances exist under normal conditions.

Features

Designed according to EN 54-5,54-17 standard.

Equipped with an internal isolator with the possibility of active or passive isolator.

Easy address programming with the handheld programmer

Remote indicator output

Compatible with the WISE addressable panel and other SENS addressable panels

SMD technology

Reliable performance

Low power consumption

Impact-resistant plastic frame

Equipped with a red LED status indicator.

Technical Specifications

Detector Class	A2S
Power Supply Voltage	27V
Stand by consumption	0.6mA @ 27V
Alarm state current	1.3mA @ 27V
Alarm Temperature	54-70 °C
Operating Temperature	-10 to 70 °C
Humidity	95% (without condensation)
Dimensions	50×100 mm
Weight	100gr

Application

The S2-AHD-300 detector is suitable for environments with sudden temperature changes, where the speed of temperature increase is much higher than the spread of smoke as well as environments with smoke-producing substances.

Construction

The design of the S2-AHD-300 allows for easy disassembly and component replacement by using the embedded thorns between the parts of the frame. The detector body is made of white ABS plastic.

Isolator Specifications

Maximum line voltage	28V
Minimum line voltage	15V
The maximum voltage at which the device isolates (V_{SOmax})	6V
The Minimum voltage at which the device isolates ($V_{SO\,min}$)	2V
The maximum voltage at which the device reconnects ($V_{Sc\,max}$)	6V
The Minimum voltage at which the device reconnects ($V_{Sc\,min}$)	2V
Maximum rated continuous current with the switch closed ($I_{c\,max}$)	400mA
Maximum rated switching current ($I_{s\,max}$)	600mA
Maximum leakage current ($I_{L\,max}$)	8mA
maximum series impedance with the switch closed ($Z_{c\,max}$)	0.5Ω