Addressable Smoke/Heat Multi Detector with Built-in Isolator
S6-AMD-300

S6-AMD-300 is an addressable combined (temperature and optical-smoke) detector, designed for installing in addressable fire alarm systems. The detector is powered on from the panel and can be controlled via the communication protocol.

It utilizes light scattering technology to detect smoke in the environment and measures ambient temperature with its temperature-sensitive sensor. Upon reaching a predetermined temperature, it activates the fire alarm.

Features

Designed according to EN 54-5, 54-7, 54-17 standards.

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

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	120gr

Application

Due to the sensitivity of this smoke and heat sensor, it is applicable in various environments. It detects environmental smoke using smoke detection technology and reports temperature increases using temperature-sensitive sensors to the central control system.

Construction

The S6-AMD-300 detector's case and chamber are made of durable ABS plastic. Additionally, its mechanical parts are specifically designed to protect the detector from dust and insects.

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