Addressable Optical Smoke Detector with Built-in Isolator
S6-ASD-300

S6-ASD-300 is an addressable smoke detector that uses the scattering IR light idea and has proper sensitivity to different types of smoke, even with extremely fine particles. The detector uses a specific chamber for multiple reasons:

a) Smoke particle detection

b) Prevention of entry and interference from dust particles

c) Protection against entry and interference from insects

d) Prevention of false environmental light entry

Features

Designed according to EN 54-7, 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

Power Supply Voltage	27V
Stand by consumption	0.6mA @ 27V
Alarm state current	1.3mA @ 27V
Operating Temperature	-10 to 70 °C
Humidity	95% (without condensation)
Dimensions	50×100 mm
Weight	120gr

Application

S6-ASD-300 is ideal for locations where fires can develop slowly and the probability of smoke spreading is higher than flame expansion, such as residential and commercial areas.

Construction

The S6-ASD-300 smoke 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