

UAD-SI10

ADDRESSABLE OPTICAL SMOKE DETECTOR WITH BUILT-IN ISOLATOR

UAD-S10

ADDRESSABLE OPTICAL SMOKE DETECTOR

The detectors UAD-SI10 and UAD-S10 are meant to be coupled in a two-wired loop circuit that carries both data and power. To communicate with the ULTRA Addressable control panels, it uses the communication protocol. The detector supports optical sensing technology by employing a one-of-a-kind smoke chamber that went through extensive fluid mechanics and optic refraction testing. The control panel or configuration software can be used to modify sensitivity settings. In the event of suspected contamination in severely dusty conditions, the smoke chamber can be readily removed for cleaning.

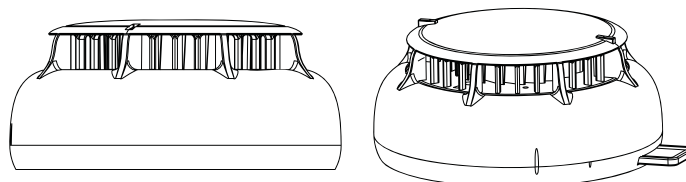
To protect the loop line from short-circuiting, the detector has a built-in isolator (UAD-SI10).



FEATURES & BENEFITS

- ✓ EN54-7 and EN54-17 Certified
- ✓ Light scattering mechanism that detects smoke particles in the environment.
- ✓ Built-in Isolator (UAD-SI10) is supported
- ✓ Supports two LED indicators for a 360-degree view
- ✓ LEDs that indicate status, fire Alarm, short-circuit, and pollution in three different colors (Blink Blue/Red/Fixed Blue/Yellow).
- ✓ Three detection sensitivities (High, Medium, and Low) that are selectable via the control panel and setup software.
- ✓ Special software algorithms to eliminate incorrect alarms produced by rapid dust, smoke, etc.
- ✓ Adaptive defense avoiding false alarms by regularly sampling the environment
- ✓ Advanced pollution algorithm that continuously monitors pollution levels and alerts the user via a detector or a panel
- ✓ Parallel indicator connection terminals are supported
- ✓ A smoke chamber that is simple to clean
- ✓ An optional label apparatus can be mounted on the bottom of the detector base where the detector address can be viewed from a good distance

TECHNICAL SPECIFICATIONS	UAD-SI10	UAD-S10
Standard	EN 54-17 / EN54-7	EN54-7
Built-in Isolator	Yes	No
Operating Voltage	18-32VDC	
Avg. Power Consumption	80µA@32V	
Alarm Power Consumption	3mA	
Indicator Current	10mA (2K2 Resistor)	
Starting Time	15sec	
Weight (Include Base / Not)	183gr / 125gr	
Dimensions (mm)	Ø110, h42	
Body Material	ABS Plastic	
Alarm Indicator LED	RED	
Status LED	Blue	
Isolator LED	Yellow	No
Operating Temperature	-10°C - 55°C	
Humidity	95% RH	
Protection Class	IP30	



For more information

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Learn more about ULTRA FIRE PROTECTION SYSTEM and other products available by visiting www.ultrafire-uk.com