

FALSE ALARM SAFE FIRE AND SMOKE DETECTION

CHAMPION IN SPEED AND FALSE ALARM
RESISTANCE

DIEHL
Aviation

Climbing higher.
Together

CHARACTERISTICS

Speed is essential in case of an emergency, but a quickly triggered false alarm is no remedy either. Hence, reliability and safety shall be united in the development of a dependable alarm system. **The Diehl Aviation Smoke and Fire Detectors** set standards in the industry and not only because of their highly precise sensors: the compact casing is CFD-optimized and the extremely quick response time are a result of the highly sophisticated ray-tracing optimized design goal. The detector recognizes all types of fires even when facing dust, cosmetic sprays, insecticides or mist, triggered false alarms are still prevented.

BENEFITS

- Worldwide technology leader in false alarm prevention with proven resistance against dust, cosmetic sprays, insecticides, water mist and fog
- Heated detection chamber to avoid condensation
- Highest smoke detection speed in market
- Variable cup color according to customer needs – one part number for all designated areas of an aircraft

FEATURES

- Electrical connection can be individually configurated
- 3-channel smoke detection
- Complies with DAL-B requirements
- Ultrafast temperature sensor

TECHNICAL DATA

application	cargo/lavatory/crew rest compartment
weight	215g
dimensions	54mm cup diameter
	94mm housing diameter
	54mm total height
power consumption	1W plus 1.1W heating (on demand)
normal operating temperature range	-40°C to 70°C
interfaces	discrete and CAN
connector	ASNE 0053R14B19PN or customizable
complied standards	AS8036A (false alarm robustness)
	EN54-7 (fire detection) (TF1-TF7)
	RTCA-DO160G (qualification)
	RTCA-DO178B, DAL B, (SW safety)