



Cerberus® AlgoRex

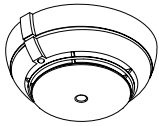
Automatic fire detectors

AnalogPLUS

DO1130
DOT1130
DT1130

-
- **High degree of reliability and stability**
 - **Comprehensive final examination and quality control**
 - **High degree of operational reliability through signal processing in the detector and in the control unit**
 - **High resistance to:**
 - electromagnetic interference
 - humidity and corrosion
 - **Individual identification of detectors**
 - **Built-in line disconnection function**
 - **Modern design**
 - **Blend well with every room decor**
 - **Environmentally safe material:**
 - halogen-free plastic material identifiable through embossed code
 - easy to uninstall and disassemble

Wide spectrum smoke detector DO1130 Series



Application

DO1131A
DO1133A

- **Uniform response behaviour for different types of fire**
- **High resistance to soiling**
- **New, high performance optoelectronic sensor system**

For the early warning of smoke-forming flaming fires and smouldering fires.
With increased sensitivity for use in air sampling smoke detection systems.

Functions

Danger signal. The detector transmits the danger signal „standard” and „high sensitivity” to the control unit. The control unit evaluates as a default the danger signal „standard”. Due to corresponding programming the danger signal „high sensitivity” can be evaluated.

Impairment. The detector has traced a fault and continued operation is no longer assured. The control unit verifies the signal and indicates „Fault” if received repeatedly.

Address allocation possible in three ways:

- in installation sequence
- by the sequence of inserting
- in the activation sequence

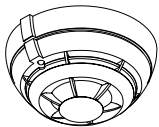
A built-in line disconnection switch isolates the defective part if the detection line suffers short circuit.

Built-in response indicator provides on-site signalling of alarm.

DO1131A

Deviation from the quiescent value caused e.g. by soiling is transmitted by the detector to the control unit.

Multisensor smoke detector DOT1130 Series



Application

For the early warning of flaming fires involving solid and liquid combustibles as well as smouldering fires.

Functions

Danger signal. The detector transmits the danger signal „standard” and „high sensitivity” to the control unit. The control unit evaluates as a default the danger signal „standard”. Due to corresponding programming the danger signal „high sensitivity” can be evaluated.

Impairment. The detector has traced a fault and continued operation is no longer assured. The control unit verifies the signal and indicates „Fault” if received repeatedly.

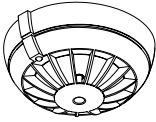
Deviation from the quiescent value caused e.g. by soiling is transmitted by the detector to the control unit.

Address allocation possible in three ways:

- in installation sequence
- by the sequence of inserting
- in the activation sequence

A built-in line disconnection switch isolates the defective part if the detection line suffers short circuit.

Built-in response indicator provides on-site signalling of alarm.



- **Maximum temperature alarm activation with quality thermosensor**
- **DT1131A: Reliable heat detector for demanding requirements**
 - **class 1 heat detector with wide application range (up to +50°C)**
 - **response behaviour immune to deceptive phenomena with rapid and slow increases in temperature**
 - **intelligently designed differential characteristics**
- **DT1132A: Reliable heat detector with maximum temperature activation (activating temperature +80°C) for special applications**

Application

DT1131A For the monitoring of rooms and installations where in the event of fire, a rapid increase in temperature can be expected, or other types of detector cannot be used due to operational reasons.

DT1132A For the monitoring of rooms and installations in which rate-of-rise heat detectors are unsuitable, e.g. with transient vapour or heat development.

Functions

Impairment. The detector has traced a fault and continued operation is no longer assured. The control unit verifies the signal and indicates „Fault“ if received repeatedly. *Address allocation* possible in three ways:

- in installation sequence
- by the sequence of inserting
- in the activation sequence

A built-in line disconnection switch isolates the defective part if the detection line suffers short circuit.

Built-in response indicator provides on-site signalling of alarm.

DT1131A For the monitoring of rooms and installations where in the event of fire, a rapid increase in temperature can be expected, or other types of detector cannot be used due to operational reasons.

DT1132A For the monitoring of rooms and installations in which rate-of-rise heat detectors are unsuitable, e.g. with transient vapour or heat development.

Installation

Mounting with detector base DB1131A.
Range of base accessories for installation even in critical locations.
Connection to the control unit via a two-wire line.
Vibration-proof mounting of detector in the base.
Anti-theft device can be built in if required.
Two external response indicators can be connected.

Maintenance

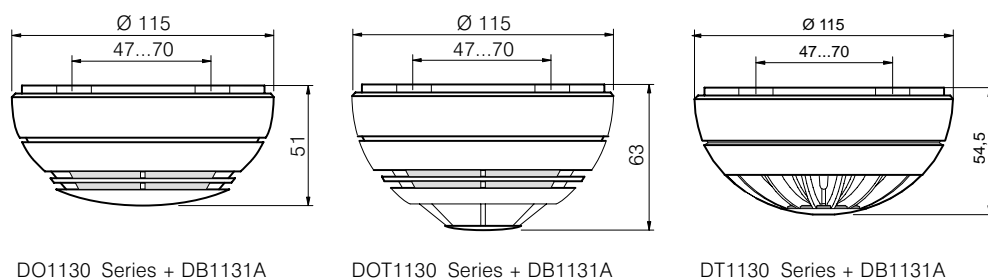
DO1131A, DOT1130, DT1130 Detectors can be inserted and removed from their bases with a detector exchanger up to a height of 7m.

DO1130, DOT1130 By means of a periodic factory overhaul (cleaning and re-calibration), smoke detectors are given a new lease of life.

Technical data

	DO1131A	DO1133A	DOT1131A	DT1131A	DT1132A
Operating voltage	16...28V modulated	16...28V modulated	16...28V modulated	16...28V modulated	16...28V modulated
Operating temperature	-25...+60°C	-10...+60°C	-25...+60°C	-25...+50°C	-25...+70°C
Humidity, ≤34°C >34°C	≤95% rel. ≤35g/m ³ abs.	≤95% rel. condensation	≤95% rel. ≤35g/m ³ abs.	≤100% rel. ≤35g/m ³ abs.	≤100% rel. ≤35g/m ³ abs.
Protection category	IP44	IP44	IP44	IP44	IP44
Colour	white, ≈ RAL9010	white, ≈ RAL9010	white, ≈ RAL9010	white, ≈ RAL9010	white, ≈ RAL9010
Standards	EN54-7/9	-	EN54-7/9	EN54-5, response grade 1	EN54-8, temperature range 1 prEN54-5/BS
Approvals - VdS	G295046	-	G296055	G295048	G297067
Compatibility	Compatible with AnalogPLUS® fire detection system				
QS standards	Fire protection industry certified quality assurance system according to ISO9002, EN29002				

Dimensions



DO1130 Series + DB1131A

DOT1130 Series + DB1131A

DT1130 Series + DB1131A

Details for ordering

Type	Part no	Designation	Weight
DO1131A	479000	Wide spectrum smoke detector	0.160kg
DO1133A	501648	Wide spectrum smoke detector	0.130kg
DOT1131A	479013	Multisensor smoke detector	0.150kg
DT1131A	478991	Heat detector	0.170kg
DT1132A	500487	Heat detector	0.105kg
DB1131A	478975	Base, AnalogPLUS	0.060kg

For base accessories see sheet DB11 Series, e1035

