



# DOD-320A

## DOD-320A-B

## DOD-320A-I

## DOD-320A-I-B

### Addressable optical smoke detector

#### Description

The addressable optical smoke detectors of the new 300 series have been developed using advanced electronic technology to offer a very compact, robust and flexible product while updating the elegant design of the previous series with a more modern and refined look.

The new range of addressable optical smoke detectors is offered with and without isolator and available in black and white versions. As in the previous series, detectors with custom colors are also available.

DOD-320A addressable optical smoke detectors are based on a Tindall effect detection or scattered light analysis camera. The chamber has been carefully designed with a precise geometry whose labyrinth prevents false alarms caused by air currents while efficiently channeling smoke toward the sensing element. This detector incorporates camera dirt-compensation algorithms that maintain long term stability, reduce false alarms due to dirt accumulated contamination, and simplifies maintenance throughout the device's service life. The new DPT geometry discriminates selectively heavier particles, preventing them from entering the chamber and further improving detection reliability.

The DOD-320A detectors support the configuration of up to 5 sensitivity profiles, allowing them to be easily adapted to the specific requirements of each installation through the configurable special modes and maneuvers in Detnov addressable control panels. DOD-320A detectors can be also configured using the PGD-300C and PGD-300CX controller or from the control panel.

Optical Sensitivity	Description
Very high	Rapid response with minimal smoke persistence for activation, ideal for clean areas and longer alarm anticipation with latent fires
High	It requires lower persistence and smoke density in the chamber.
Normal	Default settings
Low	It requires greater persistence and density of smoke in the chamber.
Very low	It requires high smoke persistence in the chamber. Improves response to false alarms with very random episodes of dust in the environment.

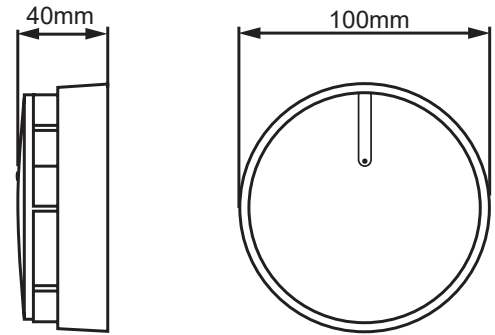
The 300 Series addressable detectors are fully compatible with Z-200 bases and any other of the Detnov addressable switchboards.

Addressable systems employing isolator devices allow for self-addressing.

The detectors of this series without an insulator have no polarity, facilitating error-free wiring

## Features and dimensions

- Renewed and elegant design
- Drift Compensation
- 5 sensitivity adjustment profiles: very low, low, normal, high and very high.
- 2-wire connection
- 100% compatible with existing systems.
- Directions from 1 to 250 on the loop.
- Configurable from PGD-300C and PGD-300CX (from firmware version 1.17) and from addressable control panel
- Usage Time Counter: Facilitates maintenance according to requested in the new RIPCI



## Technical characteristics

<b>Detector</b>	
Loop Features:	
Working Voltage:	22 to 36VDC
Resting consumption :	< 200 µA
Consumption in alarm:	< 1 mA
<b>Connected</b>	
2 x 1.5mm <sup>2</sup> cable (braided and shielded according to control panel model) for connection to Z-200 base.	
<b>Environment</b>	
Working temperature:	From -10°C to 70°C
Relative humidity:	95% non-condensing.
IP Index:	IP40
<b>Physical characteristics</b>	
Head (height x diameter):	42 mm x 100 mm
Base (height x diameter):	5 mm x 100 mm
Material:	ABS
Color:	
DOD-320A and DOD-320A-I:	White
DOD-320A-B and DOD-320A-I-B:	Black
Peso:	90 gr
<b>Certification</b>	
EN 54-7 and EN 54-17 (DOD-320A only EN 54-7)	
DOD-320A & DOD-320A-B Certificate No.:	0370-CPR-7245
DOD-320A-I & DOD-320A-I-B Certificate No.:	0370-CPR-7615

## Accessories



Z-200 & Z-200-B



Z-200-H & Z-200-H-B



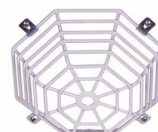
STD-200 & STD-200-B



PINTDET



PGD-300C & PGD-300CX



STI-9604



STI-9605