

# TSD-1

## UNIVERSAL SMOKE AND HEAT DETECTOR FOR ALARM SYSTEMS

The TSD-1 is a point detector designed to detect the early stages of a developing fire. For this purpose, it is equipped with a photoelectric sensor of visible smoke, as well as rate of rise temperature sensor. The unique design of the measuring chamber provides high sensitivity and omni-directionality, while a precise Hexamesh stainless steel filter protects the chamber from ingress of contamination and small insects. Detector configuration with DIP-switches and built-in parametric end of line resistors facilitate connection of the detector to virtually any control panel with a 12 V power supply.

- certified by CNBOP Certified Body for compliance with:
  - EN 54-7 – smoke detection
  - EN 54-5 – heat detection
- unique Swirl chamber for increased smoke sensitivity
- selectable operating mode (smoke, heat, multisensor)
- line type configuration (NO/NC/2EOL) with DIP switches
- precision stainless steel Hexamesh filter
- smoke chamber dirt build-up indicator
- easy installation with detachable base
- compatible with all 12 V alarm panels
- IP code: IP20

### TECHNICAL DATA

Supply voltage	12 V DC
Enclosure dimensions	ø108 x 61 mm
Operating temperature range	-10...+55 °C
Standby mode current consumption	250 µA
Max. current consumption	24 mA
Weight	164 g
Relay contacts rated load (resistive)	40 mA / 16 V DC
Maximum humidity	93 ±3%
Class according to EN 54-5 (heat sensor)	A1R
Minimum static response temperature	54 °C
Maximum static response temperature	65 °C
Environmental class according to EN50130-5	II

