

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

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|--|-----------------|
| 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 |

