

TFD-3230

CONVENTIONAL OPTICAL SMOKE DETECTOR



TFD-3230 Conventional Optical Smoke Detector uses genuine smoke chamber perfected by Teknim engineers through long term fluid mechanics and optic refraction tests. Fire is detected by optical sensing technology. Detector has a series of algorithms developed to minimize erroneous detections and to provide pollution warning. Smoke chamber can be easily removed for cleaning in case of possible pollutions in excessively dusty environments.

GENERAL SPECIFICATIONS

- EN 54-7 Certification
- Detects smoke particles in the environment via Light Scatter principle and generates alarm
- 2 LED indicators enabling viewing from all directions
- Two different colors of indication by LEDs to individually display error and alarm conditions (Blue/Red)
- Metallic cage and special protection circuit elements to increase EMC and LVD resistance and to prevent associated faulty alarms
- Special software algorithms to eliminate sudden dust, smoke, etc. external factors that may result in faulty alarms
- Metallic cage preventing entrance of bugs, flies and foreign objects into detector sensing chamber
- Adaptive protection preventing faulty alarms by sampling the environment continuously
- Advanced pollution algorithm that continuously measures pollution level and warning the user from detector and panel screen for stable and accurate operation
- Insert type contact structure eliminating non-contact problems
- Parallel indicator light connection option
- Easy to clean smoke chamber
- Aesthetic and elegant design fits any environment
- Compatible with any brand of conventional fire panel



Technical Specifications	TFD-3230
Standard	EN54-7
Operation Type	Optical
Smoke detection level	(~ 0,15db/m)
Device type	A
Electrical	
Operating Voltage	18V(min) – 30V(max)
Average (quiescence) Current Consumption	30uA (@24V)
Alarm current	50mA (@24V)
Parallel indicator light current	(470ohm resistance limit) 10mA (@24V) (2K2 resistance limit)
Start time	15 sn.
Mechanics	
Weight (with/without base)	183/125gr.
Dimensions (mm)	Ø110, h42
Body Material and Color	White Color, ABS Plastik
Cable cross-section	0,4mm ² – 1,5mm ²
Alarm Indicator LED	Red (Continuous)
Status Indicator Ledleri	Blue (Blink)
Environment	
Operating Temperature	-10°C – 55°C
Humidity	95% RH (maximum)
Protection Class	IP30

