

TFD-1271

Intelligent Addressable Multi Detector (Optical Smoke and Heat) with Built-in Isolator

TFD-1270

Intelligent Addressable Multi Detector (Optical Smoke and Heat)



TFD-1271 and TFD-1270 detectors use a combination of optical and heat detection technologies to sense fire and can be connected to a two-wired loop circuit carrying both data and power. It uses FlashLink communication protocol to communicate with Teknim Addressable control panels.

It has a series of algorithms to minimize faulty detections and provide pollution warning. Sensitivity levels are adjustable through the control panel or configuration software. The smoke chamber can be easily removed for cleaning in case of possible pollution in excessively dusty environments.

The operating logic of the detector can be selected from the control panel or software. The detector can work as "Only Smoke", "Only Heat", "Smoke and Heat", "Smoke or Heat".

GENERAL FEATURES

- EN54-7, EN54-5 and EN54-17 Certified
- Detector supports optical smoke and heat sensing technologies
- Detector can be operating in 4 different types: Only Smoke, Only Heat, Smoke and Heat, Smoke or Heat
- Supports built-in Isolator (TFD-1271)
- Supports 2x LED indicators enabling 360° view
- Supports three different colors of indication by LEDs to individually display Status, Fire Alarm, Short-Circuit and Pollution (Blink Blue/Red/Fixed Blue/Yellow)
- 3 different detection sensitivities adjustable from the control panel and configuration software (High, Medium, Low)
- Special software algorithms to eliminate sudden dust, smoke, etc. which may cause faulty alarms
- Adaptive protection preventing faulty alarms by sampling the environment continuously
- Advanced pollution algorithm that continuously measures pollution level and warns the user from the detector and panel
- Supports parallel indicator connection terminals
- Easy to clean smoke chamber
- Aesthetic and elegant design fits any environment
- Optional label apparatus can be installed to the bottom of the detector base view to show detector address from a distance

Technical Specifications	TFD-1271	TFD-1270
Standard	EN 54-5 / 7 / 17	EN54-5 / 7
Operating Type	Optical / Heat	
Built-in Isolator	Yes	No
Detection Level	H:0,12 – m:0,15 – l:0,18 dB/m A2S (Between 55°C-70°C)	
Power	18-32VDC	
Average Consumption	80µA@32V	
Alarm Consumption	3mA	
Indicator Current	10mA	
Starting Time	15sec	
Weight (Include Base / Not)	183gr / 125gr	
Dimensions (mm)	Ø110, h:42 mm	
Body Material and Color	ABS Plastic – White	
Alarm Indicator LED	RED	
Status LED	Blue	
Isolator LED	Yellow	No
Operating Temperature	-10°C ~ 70°C	
Humidity	95% RH	
Protection Class	IP30	