

TFD-1170

Intelligent Addressable Natural Gas and LPG Detector

TFD-1170 is a natural gas and LPG detector which can be connected to Teknim addressable fire alarm systems. It is equipped with an 85dB on-board buzzer for audio warning, and with red/ yellow/ green colored LED indicators for visual warning.

Alarm detection and filtering algorithm directly transmits precise and reliable alarm information to the control panel.

TFD-1170 addressable natural gas and LPG detector is suitable for ceiling and wall mounting. Detector also provides a test button on it to perform tests for all visual and audio warnings.

General Features

- TS EN 50194-1 Certified
- 85dB Alarm Sound Level
- TEST button for buzzer and LEDs
- 2x LED indicators enable 360° view from all directions
- Suitable for Ceiling and Wall Mounting



Technical Specifications

	TFD-1170
Standard	TS-EN 50194-1 (Natural Gas)
Device Type	A
IP Class	IPX2D
Stabilization time	3 min
Gas Type	Natural Gas, LPG
Alarm Level (LEL)	10% Natural Gas, 7% LPG
Alarm Sound Level	85 dB
Device Lifespan	5 years
Operating Temperature Range	-10°C ~ +55°C (14°F ~ 131°F)
Humidity	95% RH (Max.)
Dimensions (mm)	Ø110, h42
Color and Body Material	White, ABS Plastic
Weight (Include Base / Exclude Base)	195 gr / 136 gr
Loop	
Power Input	18V ~ 32V
Average (Quiescent) Current Consumption	50uA (@32V)
Maximum Alarm Current	60uA (@32V)
Sensor	
Power Input	24V
Average (Quiescent) Current Consumption	50mA (@24V)
Maximum Alarm Current	60mA (@24V)

Device Location Selection, Mounting and Connection

1. Installation of your device should be carried out by a qualified person.
2. Selecting the installation location of the device:
 - It shall be located at least 1.5 meters away in projection from the gas source.
 - In the event of a gas leak, it should be installed in a location where the gas is most likely to accumulate.
 - It should not be installed directly on the kitchen sink, washbasin or toilet bowl (at least 1.5 meters away).
 - Do not mount adjacent to the aspirator, tow fan and ventilation installation (at least 1.5 meters away).

