


# Terofire EA Conventional Photoelectric Detection

## Advanced Multisensing Photoelectric Technology Terofire EA Series optical smoke detectors and multisensors

Terofire EA series optical smoke detectors are designed to respond to a wide spectrum of fires and ease installation. The EA series multisensors use Advanced Photoelectric Technology in conjunction with the fixed temperature heat sensor to further extend its capabilities as a smoke detector. Every unit is individually tested and calibrated to ensure high reliability and prevent false alarms.

### Approvals

**EN-54** 

### The Range

10-0001	optical smoke detector with remote LED indicator output
10-0002	optical multisensor (smoke+heat) with remote LED indicator output

### Features and Benefits

- Advanced photoelectric smoke sensing technology
- Multisensor is used for a wide range of applications and is highly immune to false alarms
- Durable sensor head; excellent smoke access
- Dual LEDs for 360° visibility
- Easy installation and maintenance
- Modern design for any décor

### Available Options

- Sensor Base: standard (10-0004) and Shottky Diode (10-0005)
- Remote LED (14-0001)

### Specification

Model	Thermal	Volt. DC	Startup Current (Max)	Alarm Current (Max)	Surge Current (Max)	Startup Time (Max)	Permis. Current (Max)	Freq.
10-0001	-	12~35V	35 $\mu$ A	70 mA	40 $\mu$ A	60 sec	80 mA	3~5 sec
10-0002	57° C	12~35V	35 $\mu$ A	70 mA	40 $\mu$ A	60 sec	80 mA	3~5 sec

Smoke Sensitivity	EN 54-5/7:2000 standard
Detection Range	100 square meters rating for smoke sensor; 50 square meters rating for heat sensor
Start-Up Current	70 $\mu$ A Maximum
Alarm Impedance	560 $\Omega$ +3V max (red LED open circuit)
Reset Voltage	Less than 1 volt
Reset Time	Less than 1 sec
Alarm Indicator	LED Continuously emitting red light
Temperature range	-10°C to 50°C
Remote Output	15 mA max, diode gate
Humidity	0 to 95% RH, noncondensing
Dimensions	100mm (dia) x 46mm (ht) with base
Weight	130g/set with base

