



Intelligent Addressable Optical Smoke Detector



EN54-7

1330b(c1-1)



0832-CPR-F1702

Y17

Feature and Benefits

EN54-7:2000 +A1:2002 +A2:2006 Compliance

LPCB Approved

Using microprocessor technology with memory capacity up to 10 events

Analogue sending and digital addressing

Provide real time algorithm to the control

panel Smart linear drift compensation

Onsite adjustable parameter

360-degree visual indicator

Removable chamber against dust and small insect

Ancillary remote indicator output

Aesthetically pleasing design

Overview

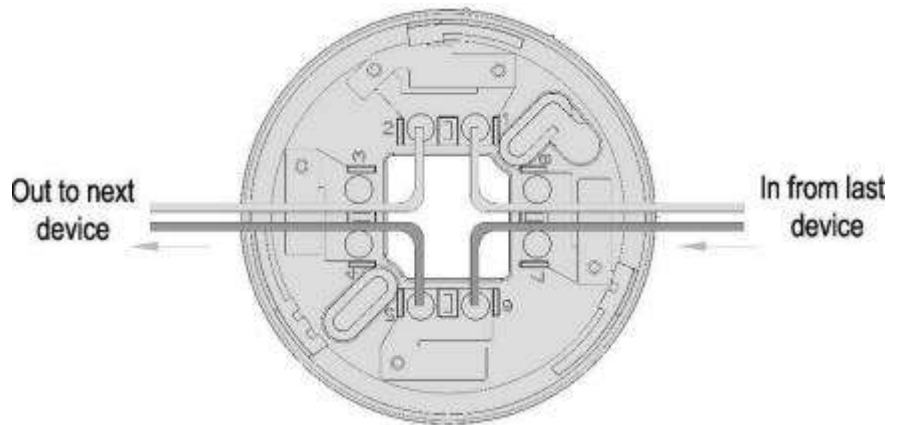
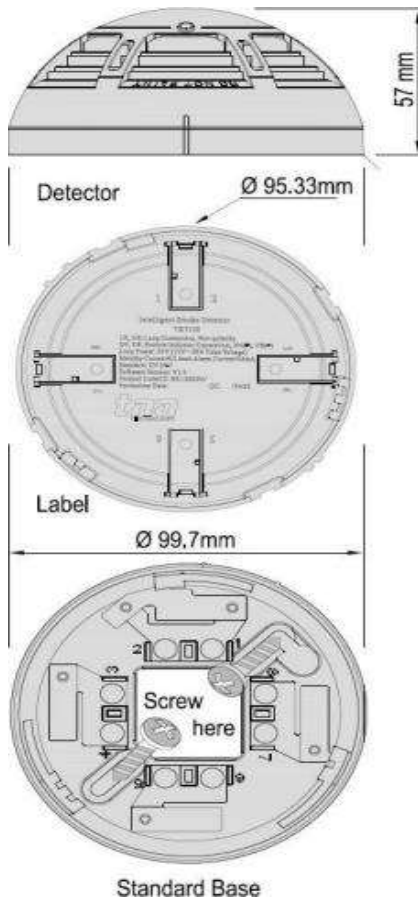
The TX7100 Intelligent Addressable Optical Smoke Detector is the ideal device for most applications, due to its spiffing linear response to a wide variety of different types of smoke patterns. The unit manufactured the sensitivity requirement of EN 54 part 7, European Standard. The unit is aesthetically pleasing with unobtrusive design that will complement modern building designs. The unit incorporates an intelligent processor that provides Algorithm map, inbuilt A/D converter, Drift compensation, and Self-Diagnosis and History log.

Secure and speedy communication through the on-board processor enables the detector to make its own decision, resulting in greater automation. In the event of fire, the integral microprocessor analyses the signal according to factors such as signal strength and rate of increase, then confirms these patterns with the pre-programmed fire scenarios and smoke patterns, for a faster and safer response. Once it is confirmed, the LED indicates the sensor status and parallel sending communication signal to the control panel. The TX7100 detector is compatible to the TX7004 Analogue Intelligent Fire Alarm Control Panel, produced by single manufacture T&A, to avoid addressable communication compatibility problem.

Technical Specification

Listed	LPCB / CE-CPR
Compliance	EN54-7:2000 +A1:2002 +A2:2006
Input Voltage	24VDC [16V to 28V]
Current Consumption Standby	0.6mA, Alarm: 4mA
Protocol/Addressing	T&A, Value range from 1 to 254
Sensitivity	As per stipulated standard
Indicator	Single LED / 360-degree Visual
Material / Colour	ABS / White Glossy finishing
Dimension / Height	Diameter 99.7 mm / 57 mm
Weight	145g (with Base), 90g (without Base)
Operating Temperature	-10° C to +50° C
Humidity	0 to 95% Relative Humidity, Non condensing

Detector and Wiring Details



Terminal	Description
1	Signal In(+)
2	Signal Out (+)
3	RemoteIndicato(+)
4	Remote Indicator (+)
5	Signal In (-)
6	Signal Out (-)
7	Remote Indicator (-)
8	Remote Indicator (-)