



EN54-29:2015
1330j/01

TX7120

Intelligent Multisensor Fire Detector

Feature and Benefits

EN 54-29:2015, EN 54-5: 2017 + A1: 2018, EN 54-7:2018 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

360 degree visual indicator

Onsite Adjustable Parameter

Removable chamber against dust and small insect

Ancillary remote indicator output

Aesthetically pleasing design

Overview

The TX7120 Intelligent Multi-sensor Fire Detector is the ideal device for most applications, due to its spiffing linear response to a wide variety of different types of smoke patterns and combining with heat sensing sensor for temperature response. The unit manufactured base on the sensitivity requirement of EN 54 part 29, 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, smoke and heat patterns including rate of rise temperature, 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 TX7120 detector is compatible to the TX7004 Analogue Intelligent Fire Alarm Control Panel, produced by single manufacture T&A, to avoid addressable communication compatibility problem.



TANDA Development Pte.Ltd.

217 Kallang Bahru #04-02
Singapore 339347

Tel: (65) 6291 3176

Email: info@tandatech.com

Web: www.tnafirealarm.com

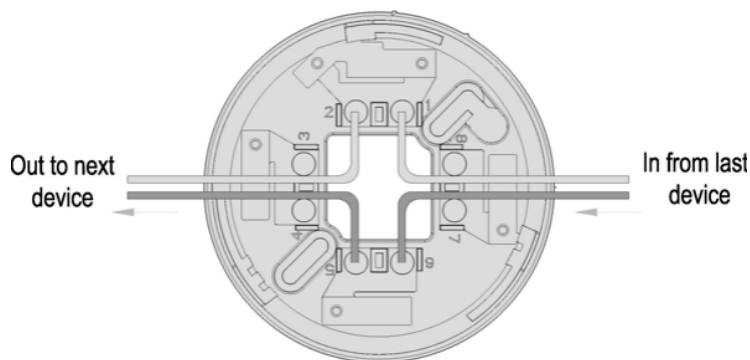
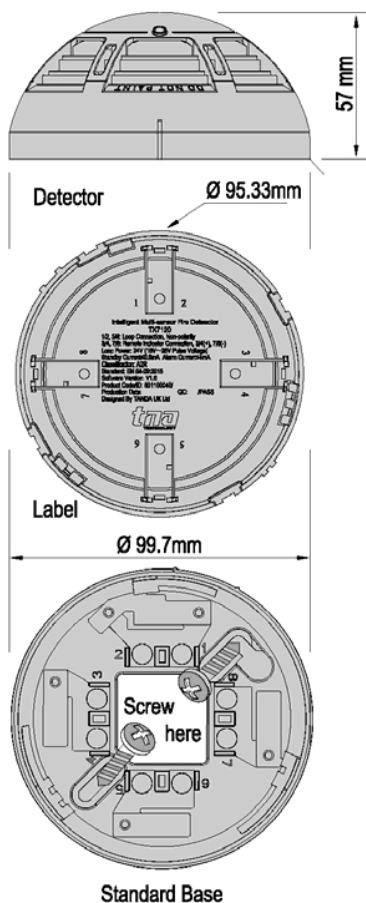
TANDA Development Pte.Ltd. | DATASHEET

Copyright © The information contained within these data sheets remains the property of TANDA Development Pte.Ltd. and is not to be altered or reproduced without written permission. TANDA reserves the right to change any specification without giving prior

Technical Specification

Listed Compliance	LPCB / CE-CPR EN 54-29:2015, EN 54-5: 2017 + A1: 2018, EN 54-7:2018
Input Voltage	24VDC [16V to 28V]
Current Consumption	Standby 0.6mA, Alarm: 4mA
Protocol/Addressing	T&A, Value range from 1 to 254
Smoke Sensitivity	As per stipulated standard
Heat Category Type	
Indicator	Single LED / 360 degree Visual
Material / Colour	ABS / White Glossy finishing
	Diameter 99.7 mm / 57 mm
Dimension / Height	145g (with Base), 90g (without Base)
Weight	-10° C to +50° C
Operating Temperature Humidity	0 to 95% Relative Humidity, Non condensing

Detector and Wiring Details



Terminal
Description

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

