



# TX7110

Intelligent Heat Detector



EN54-5  
1330c/01

## Feature and Benefits

EN 54-5:2017 + A1:2018 Compliance LPCB Approved

Using microprocessor technology with memory capacity up to 10 events

Analogue sensor and digital addressing

Provide real time algorithm to the control panel

360 degree visual indicator

Onsite Adjustable Parameter

Ancillary remote indicator output

Aesthetically pleasing design

## Overview

The TX7110 Intelligent Fixed and Rate of Rise Heat Detector is reliable for application in places where may have high dust level or smoky environments, making a normal smoke detector undesirable.

The unit manufactured base on the sensitivity requirement of EN 54 part 5, European Standard. The unit is aesthetically pleasing with unobtrusive design that will complement modern building designs.

The unit incorporates an intelligent processor that provides inbuilt A/D converter, and Self-Diagnosis and History log.

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, heat patterns including rate of rise temperature 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 TX7110 detector is compatible to the TX7004 Analogue Intelligent Fire Alarm Control Panel, produced by single manufacture T&A, to avoid addressable communication compatibility problem.



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## Technical Specification

Listed  
Compliance

LPCB / CE-CPR  
EN 54-5:2017 + A1:2018

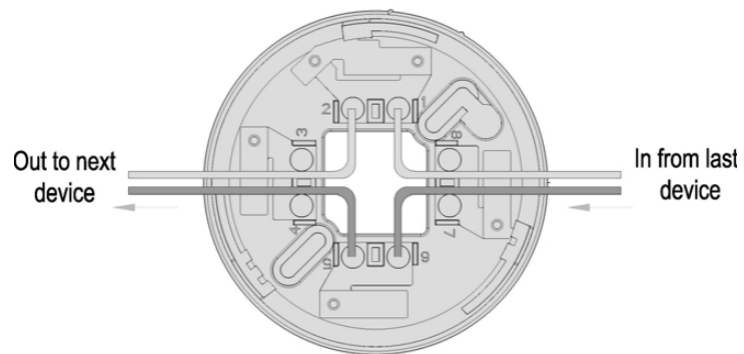
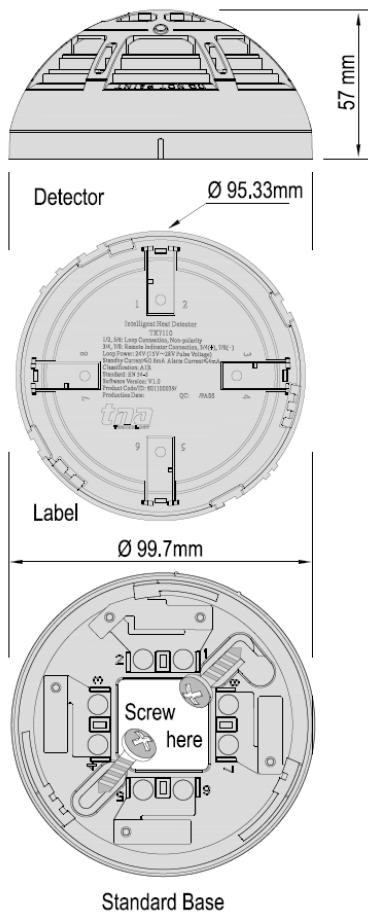
Input Voltage  
Current Consumption

24VDC [16V to 28V]  
Standby 0.6mA, Alarm: 4mA

Protocol/Addressing  
Heat Class Type  
Indicator  
Material /Colour  
Dimension / Height  
Weight  
Operating Temperature  
Humidity

T&A, Value range from 1 to 254  
A1R  
Single LED / 360 degree Visual  
ABS / White Glossy finishing  
Diameter 99.7 mm / 57 mm  
127g (with Base), 72g (without Base)  
-10° C to +50° C  
0 to 95% Relative Humidity, Non condensing

## Detector and Wiring Details



### Terminal Description

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

