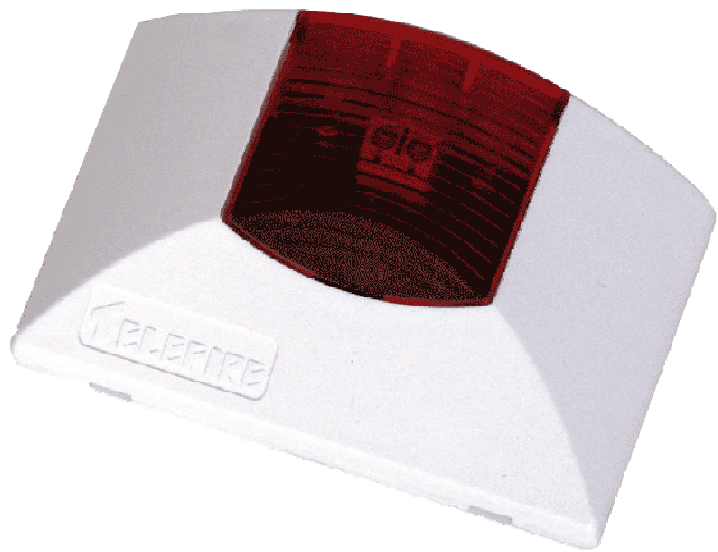


# TFL-1N / TFL-1AN

## Auxiliary Signaling Indicator for Conventional / Addressable Detectors

### Technical Manual



**TELEFIRE FIRE & GAS DETECTORS LTD**

PO Box 7036  
Petach Tikva 49250  
Israel

Tel: 972 3 970 0400

Fax: 972 3 921 1816

eMail: [info@telefire.co.il](mailto:info@telefire.co.il)

Web: [www.telefire.co.il](http://www.telefire.co.il)



**Revision 1.11**  
**August 2014**

***i***

**Note**

The terms “**Trouble**” as used in NFPA 72 guideline and UL standards and “**Fault**” as used in EN 54 standards are used interchangeably throughout this manual.

***i***

**Note**

Do not install, operate, and maintain this product before fully reading this manual.

## 1 Introduction

Telefire's TFL-1N Remote Signaling Indicator for Conventional Detectors and TFL-1AN Remote Signaling Indicator for Addressable Detectors enable auxiliary indication for detectors that are located in hidden areas such as closed rooms and above acoustic ceilings, etc.

The remote Signaling Indicator is activated directly from the detector using the detection line's power without a need for auxiliary power sources.

The TFL-1N and TFL-1AN can be connected to a single detector or to a group of detectors.

When activated, the Remote Signaling Indicator will flash both its LEDs alternately, thereby drawing attention to a detector that is activated.

The Remote Signaling Indicator is especially designed for low power consumption so as not to overload the IDC or SLC line.

Two models of Remote Signaling Indicator models are available:

- **TFL-1N** for conventional detectors.
- **TFL-1AN** for addressable detectors.

## 2 Compatibility

### 2.1 TFL-1N

The TFL-1N auxiliary signaling indicator for conventional detectors is compatible with the following bases:

- TFB-180 standard base – when used with TFO-480, TFH-280, or TPH-482
- TFB-110 Standard Detector Base – when used with TFO-440, TFH-220F, or TPH-442

### 2.2 TFL-1AN

The TFL-1AN auxiliary signaling indicator for addressable detectors is compatible with the following bases:

- TFB-180 standard base – when used with TFO-480A, TFH-280A, or TPH-482A
- TFB-110A common base for addressable detectors – when used with TFO-440A, TFH-220A, or TPH-442A

## 3 Installation

Planning of quantity and location of detectors and auxiliary indicators shall be done according to the local codes and regulations and in accordance to the planning requirements.



### Warning

**Disconnect all power supplies, main and batteries before connecting or disconnecting cables and devices to the control panel.**

### 3.1 Installation

*i*

**Note**

Notify the operator or the security personnel that the system will be temporary disconnected before adding devices to a control panel.

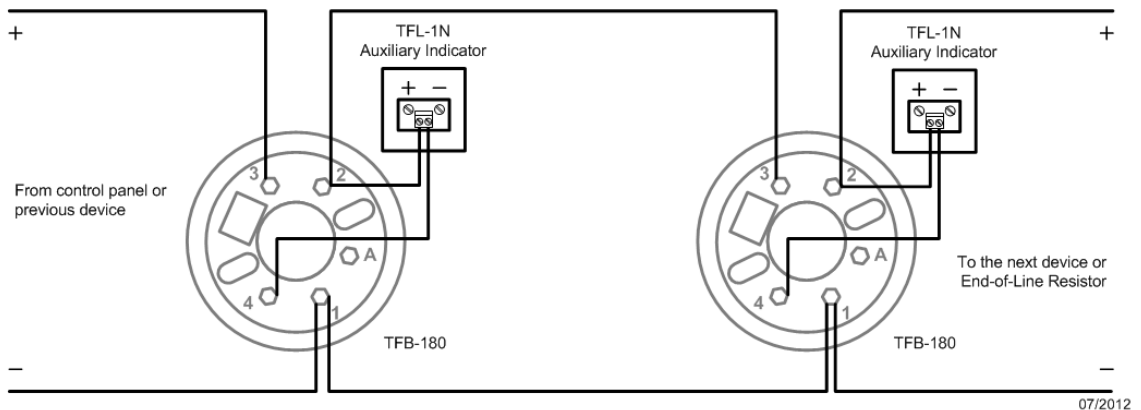
Measure the wiring to ensure there are no shorts before connecting the wiring to the detector.

Connecting or adding devices to a control panel shall be done when all power to the control power (AC and batteries) is off.

### 3.2 Wiring

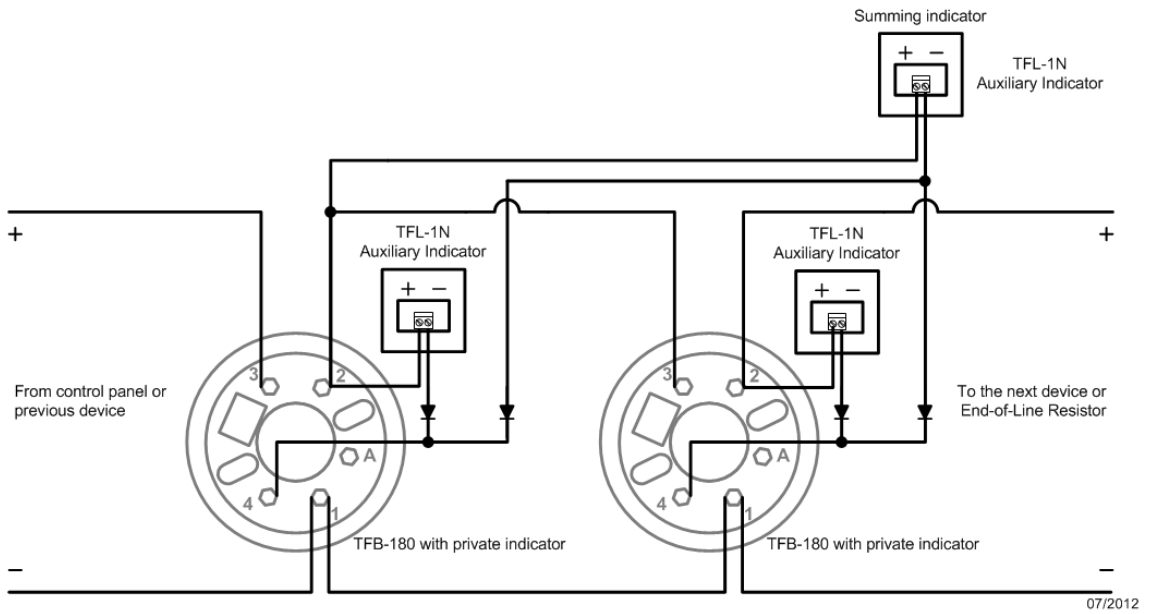
## 4 Diagrams

### 4.1 TFL-1N – Private Mode Indicator



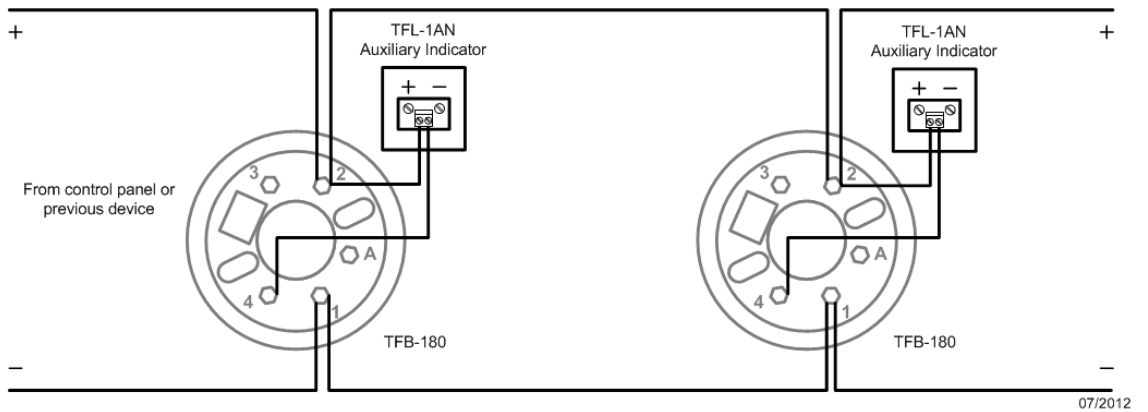
**Figure 1 TFL-1N – Private Mode Indicator**

## 4.2 TFL-1N – Summing Mode Indicator



**Figure 2 TFL-1N – Summing Mode Indicator**

## 4.3 TFL-1AN – Private Mode Indicator



**Figure 3 TFL-1AN – Private Mode Indicator**

