



## Key Features

Loop Powered



Common Sounder Group



Individual Activation using the Detectors  
Remote LED output



Individual Address via the hand-held  
programmer



Low Current Consumption



## Overview

The Addressable Sandwich Sounder is an addressable loop powered platform sounder/visual indicator device controlled by the fire alarm control. The sounder has been designed to provide a range of tones with a maximum output of up to 100dB(A) ( $\pm 2$ dB). Details of the tones range can be found in the table below.

## Audibility Solution

Every smoke or heat detector has the ability to be paired with a sandwich sounder eliminating the replacement and extra installation cost of a sounder base if audibility is an issue.

## Compatible Detectors

The unit has been designed to fit between any ProFyre detector base and ProFyre addressable detector.

## ProFyre Compatible Addressable Panels

The ProFyre analogue addressable sandwich sounder has been designed to complement the ProFyre A4 and A2 addressable control panels & the ProFyre T8 2-wire system.

## Approvals

The ProFyre Analogue Addressable Sandwich Sounder is fully approved by LPCB for safe use and installation in any European Union country and bears the CE mark to show that it complies with all the applicable Directives including the CPR, EMC and the Low Voltage Directive (LVD).

**EN54-3:2001 + A1:2002 + A2:2006**  
Sounders

## Alarm Tones

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<b>BS Fire (Default)</b>	<p>Pattern: Alternating                      Frequency: 800 &amp; 970                      Tone: 1Hz (500ms – 500ms)                      dB(A): 96 (±2dB)</p>
<b>BS Fire</b>	<p>Pattern: Alternating                      Frequency: 800 &amp; 970                      Tone: 2Hz (250ms – 250ms)                      dB(A): 95 (±2dB)</p>
<b>BS Fire</b>	<p>Pattern: Sweep                      Frequency: 800 &amp; 970                      Tone: 1Hz (1 Per Second)                      dB(A): 98 (±2dB)</p>
<b>BS Fire</b>	<p>Pattern: Sweep                      Frequency: 800 &amp; 970                      Tone: 7Hz (7 Per Second)                      dB(A): 99 (±2dB)</p>
<b>BS Fire</b>	<p>Pattern: Sweep                      Frequency: 800 &amp; 970                      Tone: 50Hz (50 Per Second)                      dB(A): 99 (±2dB)</p>
<b>BS Fire</b>	<p>Pattern: Alternating                      Frequency: 510 &amp; 610                      Tone: 1Hz (500ms – 500ms)                      dB(A): 100 (±2dB)</p>
<b>German Fire (NIN 33 404)</b>	<p>Pattern: Sweep (DIN)                      Frequency: 1200 to 500                      Tone: 1Hz                      dB(A): 99 (±2dB)</p>
<b>French Fire (NFS 32-001)</b>	<p>Pattern: Alternating                      Frequency: 554 &amp; 440                      Tone: 100ms – 400ms                      dB(A): 95 (±2dB)</p>
<b>Dutch Fire (NEN 2575)</b>	<p>Pattern: Slow Whoop                      Frequency: 500 &amp; 1200                      Tone: 3.5s Sweep, 0.5s Silence, then repeat                      dB(A): 98 (±2dB)</p>
<b>PFEER Toxic Gas</b>	<p>Pattern: Continuous                      Frequency: 970                      Tone: Steady                      dB(A): 95 (±2dB)</p>
<b>PFEER Alert</b>	<p>Pattern: Intermittent                      Frequency: 970                      Tone: 0.5 Hz (1s On / 1s Off)                      dB(A): 92 (±2dB)</p>

## Tech Specs

Operating Voltage (Loop)	17 to 28Vdc
Quiescent Current	650µA
Alarm Current	5.5mA
Alarm Tones	See Tones Table
Operating Conditions	Tested to: -10°C to +55°C (14°F to 131°F) Humidity: 0% to 95% RH, non-condensing
IP Rating	IP21C
Design Environment	Indoor Use Only
Weight	0.16kg

## Ordering Information

Part Number	Description
16-010	ProFyre Sandwich Sounder & LED Indicator
16-011	Sandwich Sounder, White