



# Universal Transponder with LCD Indication

## ✓ Key Features



EN54-25 approved



868 - 870 MHz operating frequency



Up to 30 field devices per transponder



6 modes of operation



Low operating current



## Overview



The Wi-Fyre Transponder has been designed to communicate with up to 30 mixed field devices such as smoke and heat detectors, manual call points, sounders and LED indicators, and input/output devices.

This version includes the LCD indication and control display.

The Wi-Fyre Transponder is small and easy to install. Commissioning is accomplished either using an inbuilt 5 button plus LCD panel front display, or via an optional Wi-Fyre PC interface card connected to a PC or laptop.



## Approvals

All Wi-Fyre Devices are fully certified to EN54-25 - the European product standard for wireless fire alarms, which necessitates third party assessment to confirm that it meets very specific requirements.

Wi-Fyre also complies with ENTSI 300:200 - the standard requirements for the Radio Equipment Directive (RED), and BS 5839-1 - the code of practise for design, installation, commissioning and maintenance of fire alarm systems in non-domestic premises.



CE 16  
1008

EF-112-DoP-1

1008-CPR-MC  
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## Tech Specs

### Radio

	Operating Frequency	868 - 870 MHz, 14dBm
	Operating Channels	12
	Field Devices (max)	30 per transponder
	Range	150m open area

### Electrical

	Power Source	Addressable Loop, Conventional Zone and/or Auxiliary
	Display	LCD
	Local Control (optional)	5 Tactile push-buttons or PC connection
	Zone In/Out Ratings	19 - 24Vdc, 400mA
	Zone In/Out Terminal Alarm Resistance	Equivalent to 450 Ohm
	Sounder In/Out Ratings (max)	8 - 24Vdc, 800mA
	Auxiliary Supply Voltage (max)	19 - 40Vdc
	Manual Alarm Relay Contact	1 x Solid-state normally open, 60Vdc, 600mA
	Automatic Alarm Relay Contact	1 x Solid-state normally open, 60Vdc, 600mA
	Common Fault Contact	1 x Solid-state normally closed (failsafe), 60V, 500mA
	Cable Terminals	Rising clamp 1.5mm
	Operating Current (nom.)	12mA
	Configuration Interface	Local and/or Wi-Fyre PC interface

### Environmental

	Operating Temperature	-10 to +55°C
	Humidity	10 to 95% RH (non-condensing)
	Ingress Protection	IP54
	Design Environment	Indoor use only



## Tech Specs

### Mechanical

 Housing Material ABS

 Colour



White

### Size & Weight

 Size

164mm

234mm

77mm



 Weight

0.64kg (1.41 lbs)

## Ordering Information

Part Code	Description
10-001	Universal Wireless Transponder with LCD Indication & Control
10-005	Universal Wireless Transponder, ProFyre Loop with LCD Indication & Control
10-004	Universal Wireless Transponder PC Interface & Cable
10-083	Transponder LCD Indication & Control Front-plate