

SmartNet Fire Alarm Call Point with Sounder/Visual Indicator

Part Number: SN.FAP100.2

Fire Alarm Call Point with Sounder/Visual Indicator

The Cygnus SmartNet wireless fire detection and alarm system is a network of battery powered, wireless fire detection and alarm products suitable for permanent installations, commercial premises and HMOs.

The Fire Call Point Alarm works with the SmartNet Control Panel and other Cygnus alarm devices and provides a rugged solution for fire safety, with its built-in sounder and beacon. Easy installation with adjustable feet.

Other products in the range include Control Panels, Smoke and Heat Detectors, Sounders, Beacons and Manual Call Points.



Overview

- Reliable wireless mesh radio technology
- Completely wireless – no cables required
- Sensitive radio with up to 750m range
- 868MHz radio
- Rugged design for outdoor use
- 3+ year battery life
- EN 54 certified
- Independently Certified by Intertek
- Easy configuration via the Windows based CygnusConfig application
- Compatible with other Cygnus SmartNet devices

Features

Fire manual call point	Resettable push-button type (no glass)
Sounder	90dBm or 100dBm (switchable)
Beacon	Visual indicator, red
Remote Configuration	Most settings configurable from Control Panel
Silent test	Yes
Transport switch	For decommissioning and storage between sites
Tamper switches	Two (base tamper and door tamper)

Parameters

Dimensions (mm)	280h x 183w x 135d (inc sounder, exc feet)
Weight	2.0kg
Operating temperature	-25°C to +70°C
Storage temperature	-25°C to +70°C
IP rating	IP65 and IP33C, Type B (Outdoor)
Relative humidity	>95% @ 25°C to 55°C

Power	
Operating voltage range	6 to 10V (from alkaline battery pack)
Main battery	Alkaline 6x 'D' series cells pack
Backup battery	2x CR123 (optionally fitted)
Battery Voltages	Alkaline pack = 9.0V nom. CR123 = 3.0V nom.
Power consumption	5mW
Battery life	Min 3 years (normal operation)

Radio	
Radio operating frequency	865 to 868 MHz
Radio category	Category 1
Channels	10 (with channel hopping algorithm)
Bandwidth	250kHz
Channel spacing	300kHz
Transmit power	10mW (maximum)
Duty cycle	<0.1%
Protocol	Cygnus mesh protocol
Encryption	TDES (64-bit payload, 192-bit encryption key)
Self-forming	Cygnus self-forming algorithm
Self-healing	Cygnus self-healing algorithm

Compliance

- ETSI EN 300 220-1 V3.1.1 (2017-02)
- ETSI EN 301 489-1 V2.2.2 (2019-09)
- ETSI EN 301 489-3 V2.1.1 (2019-03)
- EN61000-6-3:2007 +A1:2011
- EN50130-4:2011 +A1:2014
- EN61000-3-2:2014
- EN61000-3-3:2013


- EN 54-3:2001+A1:2002+A2:2006
- EN54-11:2001+A1:2005
- EN 54-18:2005
- EN 54-25:2008



Sounder

Sounder Output (configurable)	Min 80 or 91dB(A) at 1m
Volume Settings	2 levels
Number of Tones	1 (certified to EN 54)

SmartNet Sounder Tone – EN 54-3:2001+A1:2002+A2:2006 Approved

#	Description	Pattern	Low	High
14	800Hz/970Hz @ 2Hz (FP 1063.1 Telecom) - Default Fire Tone		80	91

IO Functions (for EN 54-18:2005)

Inputs:

- Radio messaging from other devices
- Fire Manual Call Point
- Installation tamper switch
- Door tamper switch

Outputs:

- Radio messaging to other devices
- Sounder with integrated visual indicator beacon