NOTIFIER® by Honeywell

Agile™ Wireless Fire Detection

Data Sheet

Description

The Agile™ Wireless Fire Detection and Alarm System is a platform of wireless fire devices suitable for all applications where wired fire devices cannot be installed for economic or aesthetic reasons. The look and feel of our wired fire devices combined with cutting edge wireless mesh network technology delivers superior performance when compared to traditional wireless star network technologies.



MESH

The Agile™ wireless platform is powered by robust mesh network technology providing up to two communication paths to each wireless device. This makes the network highly reliable, protecting against broken communication links. Mesh network technology enables flexible and economic installations in a wide variety of building footprints.

INTEGRATION

The Agile™ Wireless Fire Detection System is an extension of the product range. It features the same class leading device design, detection performance, false alarm immunity and system functionality. Wireless devices can be seamlessly integrated into existing systems, giving the fire system the flexibility to be easily extended.

SOFTWARE

All operations for the design, configuration and diagnostics of the Agile™ Wireless Fire Detection System be facilitated by the AgileIQ™ PC based software tool. It enables the PC to exchange information with the wireless devices without any hardwired connection by means of a wireless USB dongle. The management software will run under Windows operating systems ranging from Windows XP to Windows 10.

Features

- Mesh multiple communication paths for increased reliability
- 18RF channels at 868MHz - provides greater tolerance to interference
- 2 integrated antennas on each wireless fire device – easier positioning of devices
- Up to 400 m free air communication range – providing good coverage levels
- Average 5 year battery service life – reducing maintenance requirements
- Addresses set using rotary switches – reduced commissioning time
- Wired fire devices look and feel – easier installation and visual integration
- Patented battery service life prediction feature – more proactive maintenance
- Peace of mind - battery redundancy, delivering ‘always on’ performance
- Loop powered Gateway – reduced installation cost and time
- Up to 8 Gateways per loop
- Up to 32 Wireless devices per Gateway
- Agile IQ 3-in-1 software for easy design, configuration and diagnostics
- Highly adaptive and flexible features that effectively meet the needs of diverse applications; from mainstream to more challenging sites.

This document is not intended to be used for installation purposes. Every care has been taken in the preparation of this document but no liability can be accepted for the use of the information therein. Design features may be changed or amended without prior notice.
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ISO9001
Design, Manufacture and Supply to Quality Management Systems Certified to ISO9001:1994

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Specifications









	Detector	Manual Call Point	Sounder*	Repeater	Gateway	Remote Indicator	USB Dongle
Product Variant	NRX-SMT3 NRX-OPT NRX-TFIX58 NRX-TDIFF	NRX-WCP	NRX-WS-RR NRX-WS-WW	NRX-REP	NRXI-GATE	NRX-IRK	NRX-USB
Radio Frequency	865-870 MHz	865-870 MHz	865-870 MHz	865-870 MHz	865-870 MHz	865-870 MHz	865-870 MHz
Transmitting Power	<25mW e.r.p.	<25mW e.r.p.	<25mW e.r.p.	<25mW e.r.p.	<25mW e.r.p.	<25mW e.r.p.	<25mW e.r.p.
Supply	4 CR123A 3V Batteries	4 CR123A 3V Batteries	4 CR123A 3V Batteries	4 CR123A 3V Batteries	Communication Line Supply Range: 24V Standby Current: 230µA	2 CR123A 3V Batteries	USB connector type A Average Current: 33mA
Height	NRX-SMT3 - 72mm NRX-OPT - 62mm NRX-TFIX58 & NRX-TDIFF -70mm (with B501RF base)	94mm	75mm	52mm (with B501RF base)	42mm (with B501RF base)	51mm	13mm
Length /Diameter	104mm	99 mm	121mm	102mm	102mm	95mm	96.2mm
Depth		71 mm				37mm	31.2mm
Weight (With batteries)	NRX-SMT3 - 250g NRX-OPT - 246g NRX-TFIX58 & NRX-TDIFF - 238g (with B501RF base)	318g	373g	181g	90g	100g	19,5g
Humidity (No condensation)	10: 93 %RH	10: 93 %RH	10: 93 %RH	10: 93 %RH	10: 93 %RH	10: 93 %RH	N/A
Operating Temperature	-30 : 60 °C	-30 : 60 °C	-30 : 60 °C	-30 : 60 °C	-30 : 60 °C	-10 : 60 °C	0 : 50 °C
Fire Standard	EN54-25 (RF) EN54-5 (Thermal) EN54-7 (Photo)	EN54-25 (RF) EN54-11	EN54-25 (RF) EN54-3	EN54-25 (RF) EN54-18	EN54-25 (RF) EN54-18; EN54-17	N/A	N/A
Package weight	NRX-SMT3 - 263g NRX-OPT - 258g NRX-TFIX58 & NRX-TDIFF - 251g	445g	385g	243g	132g	260g (2pcs/box)	63g
Package size (mm)	134 L 109 W 72 H	134 L 109 W 72 H	148 L 148 W 60 H	148 L 148 W 60 H	115 L 112 W 39 H	134 L 109 W 72 H	115 L 112 W 39 H

*Please note that sounders synchronization in CLIP protocol is guaranteed only between sounders connected to the same gateway.

Product Range:

Fire Detection Devices	
NRX-SMT3	Photo-Thermal-IR Detector
NRX-OPT	Photo Detector
NRX-TFIX58	58°C Fixed Temperature Heat Detector
NRX-TDIFF	Rate of Rise Heat Detector
Evacuation Devices	
NRX-WCP	Waterproof Manual Call Point
NRX-WS-RR	Wall mounted sounder - Red
NRX-WS-WW	Wall mounted sounder - White
NRX-IRK	Remote Indicator
Accessories	
NRXI-GATE	Gateway, the translator between the radio network and the loop based Fire Detection system can handle up to 32 wireless devices
NRX-REP	Repeater, providing larger area coverage and more robust communication
B501RF	Base for Detectors or Repeaters (white)
B501RF-RR	Base for sounders (red)
Tools	
NRX-USB	USB Dongle
POLE HWKIT	POLE
CUP HWKIT	CUP
SOLOADAPT HWKIT	ADAPTER x SOLO
Agile IQ	PC Software

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