

# Agile™ Wireless Fire Detection

## Data Sheet

### Description

The Agile™ Wireless Fire Detection System is a newly designed 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 new 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, 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

- Wireless mesh network bidirectional communication technology
- Two communication paths to each wireless device
- 18RF channels at 865 - 870 MHz
- 2 integrated antennas on each wireless fire device
- Up to 400m free air communication range
- 5 years average service life
- CLIP loop communication
- Addresses set using rotary switches
- Wired fire devices look and feel
- Patented battery service life prediction feature
- Loop powered Gateway
- Up to 8 Gateways per loop (in severe interference)
- Up to 50 Wireless devices per Gateway (32 fire devices and 18 remote indicators as per EN54-25 Regulation).
- Agile IQ™: Easy wireless system design, configuration and diagnostics

## Specifications



	Detector	Repeater	Manual Call Point	Gateway	Remote Indicator	USB Dongle
Product Variant	NRX-SMT3 NRX-OPT NRX-TFIX58 NRX-TDIFF	NRX-REP	NRX-WCP	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
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.
Supply	4 CR123A 3V Batteries	4 CR123A 3V Batteries	4 CR123A 3V Batteries	Communication Line Supply Range: 24V Stand by 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)	52mm (with B501RF base)	94mm	42mm (with B501RF base)	51mm	13mm
Length /Diameter	104mm	102mm	99 mm	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)	181g	318g	90g	100g	19,5g
Humidity (No condensation)	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	-10: 60 °C	0: 50 °C
Fire Standard	EN54-25 (RF) EN54-5 (Thermal) EN54-7 (Photo)	EN54-25 (RF) EN54-18	EN54-25 (RF) EN54-11	EN54-25 (RF) EN54-18; EN54-17	N/A	N/A
Package weight	NRX-SMT3 - 263g NRX-OPT - 258g NRX-TFIX58 & NRX-TDIFF - 251g	243g	445g	132g	260g (2pcs/box)	63g
Package size (mm)	134 L; 109 W; 72 H	134 L; 109 W; 72 H	134 L; 109 W; 99 H	115 L; 112 W; 39 H	134 L; 109 W; 72 H	115 L; 112 W; 39 H

## Product Range:

1.	NRX-SMT3: Photo-Thermal-IR Detector
2.	NRX-OPT: Photo Detector
3.	NRX-TFIX58: 58°C Fixed Temperature Heat Detector
4.	NRX-TDIFF: Rate of Rise Heat Detector
5.	NRX-WCP: Waterproof Manual Call Point

## Tools:

NRX-USB	USB Dongle
POLE HWKIT	POLE
CUP HWKIT	CUP
SOLOADAPT HWKIT	ADAPTER x SOLO
Agile IQ	PC Software

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Installation information: in order to ensure full functionality, refer to the installation instructions as supplied.

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