

Agile™ Wireless Fire Detection

Overview

Features

- Wireless mesh network bidirectional communication technology
- Two communication paths to each wireless device
- 18RF channels from 865MHz to 870MHz
- 2 integrated antennas on each wireless fire device
- Up to 400m free air communication range
- 5 years average battery service life
- S200 CLIP and Advanced Protocol loop communication
- Addresses set using S200 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 17 remote indicators as per EN54-25 Regulation).
- Agile IQ™: Easy wireless system design, configuration and diagnostics



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 Series 200 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 panels supporting Series 200 protocols, 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 will 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.








All System Sensor products are covered by our three year warranty.

Architect/Engineer Specification





	Automatic Fire Detection			Manual Call Point		Gateway and Repeater	
							
Product Variant	Photo Detector	Photo-Thermal-IR Detector	Fixed Temp. Or Rate of Rise Heat Detector	Waterproof Manual Call Point	German Red or Blue Manual Call Point	Loop powered Gateway	Battery powered Repeater
Ordering Code	22051E-RF-yy	22051TLE-RF-yy	52051E-RF 52051RE-RF	R5A-RF	DKMCPR-RF DKMCPB-RF	M200G-RF-yy	M200F-RF
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	4 CR123A 3V Batteries	Communication Line Supply Range: 24V Stand by Current: 230uA	4 CR123A 3V Batteries
Height	70mm (with B501RF base)	70mm (with B501RF base)	70mm (with B501RF base)	94mm	134mm	42mm (with B501AP base)	52mm (with B501RF base)
Length /Diameter	102mm	102mm	102mm	99mm	134mm	102mm	102mm
Depth				71mm	52mm		
Weight (With batteries)	196g	200g	190g	318g	386g	90g	181g
Humidity (No condensation)	10: 93 %RH	10: 93 %RH	10: 93 %RH	10: 93 %RH	10: 93 %RH	10: 93 %RH	10: 93 %RH
Operating Temperature	-30: 60 °C	-30: 60 °C	-30: 60 °C	-30: 60 °C	-30: 60 °C	-30: 60 °C	-30: 60 °C
Fire Standard	EN54-25 EN54-7	EN54-25 EN54-5 EN54-7	EN54-25 EN54-5"	EN54-25 EN54-11	EN54-25 EN54-11	EN54-25 EN54-18 EN54-17	EN54-25 EN54-18
Package weight	258g	263g	251g	445g	460g	132g	243g
Package size (mm)	125 L	125 L	125 L	140 L	140 L	125 L	125 L
	110 W	110 W	110 W	155 W	155 W	110 W	110 W
	75 H	75 H	75 H	95 H	95 H	75 H	75 H

Where indicated the -yy code refers to the customer specific OEM code, where not indicated OEM version not available.

Architect/Engineer Specification

	A/V Alarm Devices			I/O Modules	Accessories		
							
Product variant	Wall mounted Red or White Sounder	Wall mounted Red or White Sounder Strobe	Remote Indicator	1 Input / 1 Output Module	USB Dongle Pro	RF Base White	RF Base Red
Ordering Code	WSO-RR-RF WSO-WW-RF	WSF-RR-RF WSF-WR-RF	M200I-RF	M211E-RF	M200WC-RF-PRO	B501RF	B501RF-RR
Radio Frequency	865-870 MHz	865-870 MHz	865-870 MHz	865-870 MHz	865-870 MHz	N/A	N/A
Transmitting Power	<25mW e.r.p.	<25mW e.r.p.	<25mW e.r.p.	<25mW e.r.p.	<25mW e.r.p.	N/A	N/A
Supply	4 CR123A 3V Batteries	4 CR123A 3V Batteries	2 CR123A 3V Batteries	4 CR123A 3V Batteries	USB type A 5V Average Current: 33mA	N/A	N/A
Height	75mm (with B501RF base)	97mm (with B501RF base)	51mm	125mm	13mm	32mm	32mm
Length /Diameter	121mm	121mm	95mm	125mm	96,2mm	107mm	107mm
Depth			37mm	58mm	31,2mm		
Weight (With batteries)	373g	430g	100g	317g	19,5g	48g	48g
Humidity (No condensation)	10: 93 %RH	10: 93 %RH	10: 93 %RH	5: 95 %RH	10: 93 %RH	10: 93 %RH	10: 93 %RH
Operating Temperature	-30: 60 °C	-30: 55 °C	-10: 60 °C	-20: 60 °C	0: 50 °C	-30: 60 °C	-30: 60 °C
Fire Standard	EN54-25 EN54-3	EN54-25 EN54-3 EN54-23 (W-3.5-10)	N/A	EN54-25 EN54-18	N/A	N/A	N/A
Package weight	385g	445g	160g	391g	63g	90g	90g
Package size (mm)	140 L	140 L	125 L	140 L	125 L	106 L	106 L
	155 W	155 W	110 W	155 W	110 W	103 W	103 W
	95 H	95 H	75 H	95 H	75 H	36 H	36 H

Survey Tools

						
Product description	PC Software Tool	Tools transportation survey bag	Fiberglass survey pole	Pole top mounting cup for Agile Sensors	SOLO pole adapter for Agile cup	Agile Wireless Demo Kit
Ordering code	Agile IQ	BAG RF HWKIT	POLE HWKIT	CUP HWKIT	SOLOADAPT HWKIT	RF-DEMO KIT

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