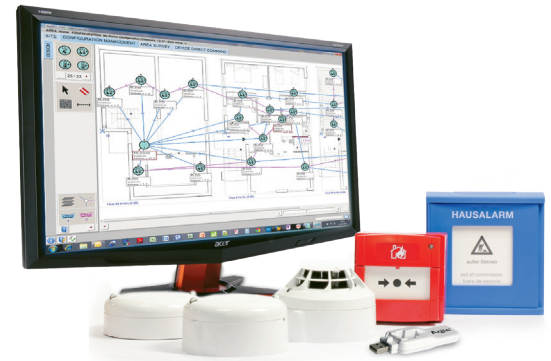


Agile™ Wireless Fire Detection

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 DKMCPRB-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 | Pole top mounting cup for Agile Sensors | SOLO pole adapter for Agile cup |
| Ordering code | Agile IQ | CUP HWKIT | SOLOADAPT HWKIT |

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