

# MORLEY WIRELESS FIRE DETECTION

The Morley Addressable 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 Morley Addressable 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 Morley Addressable Wireless Fire Detection System will be facilitated by the Agile IQ™ 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.



PRODUCT RANGE	
FIRE DETECTORS	
22051TLE-RF	Photo-Thermal-IR Detector
22051E-RF	Photo Detector
52051E-RF	58°C Fixed Temperature Heat Detector
52051RE-RF	Rate of Rise Heat Detector
EVACUATION DEVICES	
R5A-RF	Waterproof Manual Call Point
WSF-WR-RF	Wall mounted White/Red Sounder Strobe
M211E-RF	Input/Output Module
WSO-RR-RF	Wall Mounted Addressable Sounder - RED
WSO-WW-RF	Wall Mounted Addressable Sounder - WHITE
M200I-RF	Remote Indicator
ACCESSORIES	
B501RF	Detector Base White
B501RF-RR	Detector Base RED
M200F-RF	Repeater
MI-GATE	Gateway
TOOLS	
MI-RF-USB-PRO	USB Dongle
MI-RF-USB	
Agile IQ™	PC Software










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## FEATURES AND BENEFITS

- Wireless mesh network bidirectional communication technology
- Two communication paths to each wireless device
- 7RF channels at 865Mhz-867Mhz
- 2 integrated antennas on each wireless fire device
- Up to 400m free air communication range
- Upto 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
- Upto 3 Gateways per Morley DxC Panel
- Upto 31 wireless detector/devices plus 17 wireless response indicators per gateway
- Agile IQ™ Easy wireless system design, configuration and diagnostics


## ARCHITECT/ENGINEER SPECIFICATIONS

	FIRE			EVACUATION DEVICES			
	PHOTO DETECTOR	PHOTO- THERMAL- IR DETECTOR	FIXED TEMP. OR RATE OF RISE HEAT DETECTOR	WCP	SOUNDER STROBE	SOUNDER	REMOTE INDICATOR
							
Product Variant	22051E-RF	22051TLE-RF	52051E-RF 52051RE-RF	R5A-RF	WSF-WR-RF	WSO-RR-RF WSO-WW-RF	M200I-RF
Radio Frequency	865-867 Mhz	865-867 Mhz	865-867 Mhz	865-867 Mhz	865-867 Mhz	865-867 Mhz	865-867 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	4 CR123A 3V Batteries	2 CR123A 3V Batteries
Height	70mm (with B501RF base)	70mm (with B501RF base)	70mm (with B501RF base)	94mm	97mm (with B501RF base)	75mm (with B501RF base)	51mm
Length / Diameter	102mm	102mm	102mm	99mm	121mm	121mm	95mm
Depth				71mm			37mm
Weight (With batteries)	196g	200	190g	318g	430g	373g	100g
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: 55 °C	-30-60°C	-10: 60 °C
Fire Standard	EN54-25 EN54-7	EN54-25 EN54-5 EN54-7	EN54-25 EN54-5"	EN54-25 (RFSanato) EN54-11	EN54-25 EN54-3 EN54-23 (W-3.5-10)	EN54-25 (RF) EN54-3	N/A
Package weight	258g	263g	251g	445g	445g	385g	260g (2pcs/box)
Package size (mm)	125 L 110 W 75 H	125 L 110 W 75 H	125 L 110 W 75 H	134 L 109 W 99 H	140 L 155 W 95 H	148 L 125 W 87 H	134 L 109 W 72 H

## ARCHITECT/ENGINEER SPECIFICATIONS

ACCESSORIES			TOOLS		
	REPEATER	GATEWAY	RF BASE WHITE	RF BASE RED	USB DONGLE
					
Product Variant	M200F-RF	MI-GATE	B501RF	B501RF-RR	MI-RF-USB-PRO MI-RF-USB
Radio Frequency	865-867 MHz	865-867 MHz	N/A	N/A	865-867 MHz
Transmitting Power	<25mW e.r.p.	<25mW e.r.p.	N/A	N/A	<25mW e.r.p.
Supply	4 CR123A 3V Batteries	Communication Line Supply Range: 24V Stand by Current: 230mA	N/A	N/A	USB connector type A 5V Average Current: 33mA
Height	52mm (with B501RF base)	42mm (with B501AP base)	32mm	32mm	13mm
Length /Diameter	102mm	102mm	107mm	107mm	96,2mm
Depth					31,2mm
Weight (With batteries)	181g	90g	48g	48g	19,5g
Humidity (No condensation)	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	0: 50 °C
Fire Standard	EN54-25 (RF) EN54-18	EN54-25 (RF) EN54-18 EN54-17	N/A	N/A	N/A
Package weight	243g	132g	90g	90g	63g
Package size (mm)	134 L 109 W 72 H	115 L 112 W 39 H	106 L 103 W 36 H	106 L 103 W 36 H	115 L 112 W 39 H

# ARCHITECT/ENGINEER SPECIFICATIONS

PC SOFTWARE TOOL	
	
Product Variant	Agile IQ™

**For more information,**

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