

FG 590 WIRELESS SMOKE DETECTOR



PRODUCT OVERVIEW

FG 590 wireless DC smoke alarms provide battery powered smoke detection and alarm functions within a single unit.

Advanced electronics in conjunction with a photoelectric smoke sensing chamber provide early detection of smoke and high immunity against unwanted alarms.

FG590 wireless DC smoke alarms are battery powered, with wireless signaling to other interconnected devices.

FG590 wireless DC smoke alarms provide home owners and installers with a flexible and easy-to-install premium solution for general residential life safety and property protection applications.

FG 590 Wireless DC Smoke Detector

Interconnectable smoke alarm for residential applications



Features

The FG590 wireless DC smoke alarms have features to suit many applications where interconnection to other devices is required and installation of wiring is difficult.

- Photoelectric smoke sensing chamber technology
- Dual function action button to temporarily silence unwanted alarms (Hush), and to verify battery and alarm operation (Test)
- Separate coding button
- Interconnection silence feature provided for easy identification of alarm location
- Loud 85 dB sounder to alert occupants
- Local alarm memory allows easy identification of a unit that has previously been in the Alarm condition
- Drift compensation for long-term use
- Temperature compensation, wide operating temperature range
- Smoke chamber fault monitoring
- Surface-mount device (SMD) circuit board design
- Sealed DC 3 V lithium battery, with 10 year life
- 30 day low battery warning signal
- Interconnection function connects up to 12 units together
- Easy installation
- Low maintenance

Technical Specification

Power source	DC 3 V Lithium Battery 2300mAh
Alarm response threshold	0.10 dB/m ~ 0.16 dB/m
RF operating frequency	868 MHz
RF power	+10 dBm
Visual alarm indicator	Red LED
Audible alarm sounder output	≥ 85 dB @ 3 m Temporal 3 signal pattern
Current (max)	120 mA
Number of interconnected units ^a	12
Operating temperature	-10°C ~ +60 °C
Operating humidity	10 % ~ 90 % RH, non- condensing, non-icing
Storage temperature	-25 °C ~ +80 °C
Storage humidity	0 % ~ 98 % RH, non- condensing, non-icing
Dimensions	∅ 102 mm × 36 mm

^a Typical range is 30 m within a dwelling, and 100 m in free space.

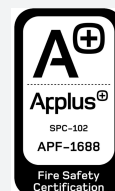
Approvals

FG590 wireless DC smoke alarms have the following approvals:

	Applus	CE
FG590	✓	✓

EN 14604:2005, EN 14604:2005/AC:2008 -Smoke Alarm Devices

MODEL	DESCRIPTION
FG 590	DC 3V smoke alarm, 10 year, wireless interconnection



Technical Specification Wireless Remote Controller

Description

Remote controller provides remote control function of FG580/FG590 Wireless smoke alarm and also FG349 wireless sounder strobe.

It can be programmed to be interconnected with above devices to remotely trigger test, to silence the interconnection alarm to locate the fire origin, and to silence the original alarm emits alarm signal (only for FG590).

Wireless remote controller are battery powered, with wireless signaling to other interconnected devices.

Wireless remote controller provide home owners and installers with a flexible and easy-to-install premium solution for general residential life safety and property protection applications.



Features

The Wireless remote controller have the following features to enable easy management of your wireless smoke alarms and peripherals:

- Test and coding dual function button (the small one)
- Interconnection silence and forced silence dual function button (the big one)
- Surface-mount device (SMD) circuit board design
- Replaceable 3V lithium battery, with 1 year operation life expected
- Compatible with FG580/FG590 smoke alarm
- Compatible with FG349 sounder strobe
- Easy installation with mounting bracket
- 30 day Low battery alert
- Low maintenance
- Typical 10 m wireless communication range within dwelling

Specifications

Power source	CR2032 Lithium Battery
RF operating frequency	868.082 MHz
RF range(typical)	10 m
Standby Current (max)	80 mA
Operating temperature	-10°C ~ +50 °C
Operating humidity	10 % ~ 90 % RH, non-condensing, non-icing
Storage temperature	-25 °C ~ +80 °C
Storage humidity	0 % ~ 98 % RH, non-condensing, non-icing
Dimensions	81 mm × 43 mm × 17 mm

Ordering Information

THW	DC 3V Wireless remote controller
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