



INSTRUCTION MANUAL SMOKE ALARM FS-588HLL

Read the instruction manual before use



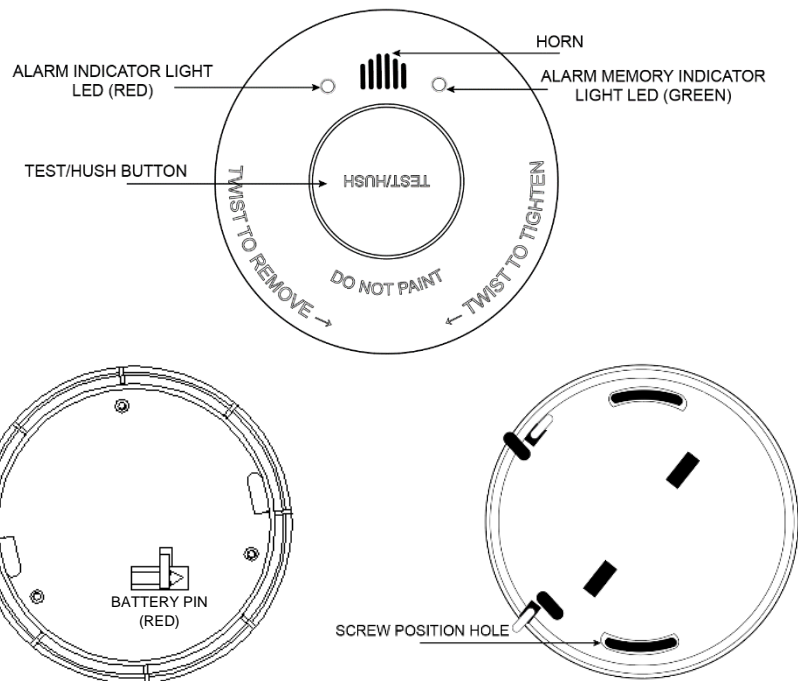
EN14604: 2005 / AC: 2008



FEATURES

- ◆ Photoelectric smoke detection
- ◆ Normal detection mode and low sensitivity detection mode (Hush)
- ◆ Built-in 10-year sealed lithium battery
- ◆ End of life warning
- ◆ Low voltage warning
- ◆ Low power consumption

SPECIFICATIONS



Technical Parameters:

Model Number:	FS-588HLL
Detection Type:	Photoelectric Sensor
Working Voltage:	3V DC (built-in)
Current:	Quiescent Current: $\leq 2\mu\text{A}$ Working Current: $\leq 120\text{mA}$
Alarming Decibel:	$\geq 85\text{dB}/3\text{m}$
LED Indicator:	LED (Red), LED (Green)
Working Temperature:	$-10^{\circ}\text{C} \sim +40^{\circ}\text{C}$
Working Humidity:	$\leq 95\%RH$ (no condensation)

Status Display:

Standby Status	Red LED flashes every 344 seconds, no alarm sound
Smoke Detection or Test	Red LED flashes and continuous alarm is sounding
Low Sensitivity Detection (Silent mode)	Red LED flashes every 10 seconds, no alarm sound. Low sensitivity detection mode will cancel after 10 minutes.
Alarm Memory	Green LED flashes 3 times every 43 seconds, and stops after 24 hours. The first time you press the TEST/HUSH button after alarm is made, the detector will hint by special alarm mode.
End of useful life	After 10 years of operation, alarm will sound 3 times every 43 seconds
Low voltage status	Red LED flashes once and low battery beep every 43 seconds

SMOKE ALARM PLACEMENT

Minimum coverage is one unit for every floor, in every sleeping area, or in every bedroom. For additional coverage, Family Shield recommends you install units in all rooms, halls, and storage areas where temperatures normally remain between -10°C and 40°C .

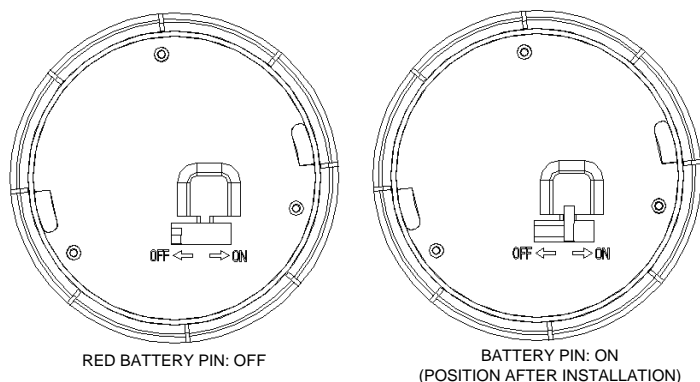
Do not mount the smoke alarm in:

- A room in which the temperature can reach below -10°C and above 40°C
- Damp spaces and areas with high humidity
- Directly in front of doors or windows
- Near a ventilator or radiator
- Near appliances or areas where normal combustion regularly occurs (kitchens, near furnaces, hot water heaters)
- Extremely dusty, dirty, or insect-infested areas where loose particles interfere with smoke alarm operation
- Distances under 50 cm from fluorescent lights or low-energy bulbs

It is not recommended for this product to be installed in high humidity, dusty or high temperature environments such as the kitchen or bathroom.

INSTALLATION GUIDE

1. Take the product out of the packaging. Remove the base from the smoke alarm by rotating it anticlockwise.
2. Switch the battery pin (red) from OFF to ON and lock the battery pin by positioning it into the groove (see figures below)



3. Press the TEST/HUSH button. The red LED will flash quickly and the detector will sound. This means the detector is working. At the same time, the smoke alarm goes into low sensitivity detection mode. After 10 minutes, the smoke alarm will automatically enter normal detection state.
4. Alarm memory
After the alarm sounds, the detector will have alarm memory. The green LED will flash for 43 seconds. This shows that the detector has entered the alarm state. The LED will stop after 24 hours. Once the TEST/HUSH button is pressed after an alarm sounds, the detector will hint by special alarm mode. After releasing the TEST/HUSH button, alarm memory will be disabled. Then press the TEST/HUSH button and it will be a normal key test.

INSTALLATION

1. Remove smoke alarm from base plate by turning it anticlockwise.
2. Mark out the position of two drill holes on the ceiling using the fixing slots on the base plate as a guide. Drill the holes and insert the plastic fixing anchors.
3. Fix the base plate onto the ceiling, securing it with the provided screws into the anchor fixings.
4. Ensure that the battery is correctly installed and well connected to the smoke alarm (use the TEST/HUSH button to check) and fasten the smoke alarm to the pre-installed base, turning it clockwise.
5. Use the TEST/HUSH button again to make a final check.

TESTING THE SMOKE ALARM

1. Firmly push the TEST/HUSH button, and the smoke alarm will sound a loud beep. The alarm will stop sounding after the button is released.
2. If the smoke alarm does not sound, please retest the smoke alarm. Do not use an open flame to test this smoke alarm.



DANGER! If the alarm sounds and it is not being tested, the smoke alarm is sensing smoke. This requires your immediate attention and action.

MAINTENANCE & TROUBLESHOOTING

Test the smoke alarm regularly. Clean the smoke alarm at least once a month to remove dust, dirt or debris. Using the soft brush or wand attachment to a vacuum cleaner, vacuum all sides and cover of smoke alarm. Be sure all vents are free of debris. If necessary, use a damp cloth to clean the smoke alarm cover.



IMPORTANT! Do not remove the cover to clean inside the smoke alarm. This will void your warranty.

If the product does not work properly, please check the product per the Troubleshooting guide below. If the product still fails to work, please contact your retailer.

FAILURE	REASON	SOLUTION
Smoke alarm does not sound when tested.	Red battery pin is switched OFF	Move the battery pin to ON position
	Circuit failure, battery fault	Please contact your retailer
Low battery beep around every 344 seconds	Battery low voltage	Please contact your retailer



WARNING! Do NOT switch off battery to quiet an unwanted alarm. Fan the air or open a window to remove smoke or dust.
Battery is not replaceable.



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