SITERWELL – GS546

Home Fire Alarm Device (HFAD)



Features

- Ultra-thin photoelectric smoke alarm device
- Big button for hushing
- Ten years battery service life
- Simple to install
- Certification to EN14604:2005/AC-2008
- VDS 3131, CE Certified
- Ambient Light detection function

SITERWELL **GS546** is primarily a battery powered photoelectric single station smoke detector. It is operated by a DC 3V non replaceable lithium battery. When smoke enters the chamber of the detector, a loud pulsating alarm of 85dB(A) will be emitted. The battery provides a 10-year operating period and the detector will emit a warning signal when the battery runs weak. Testing and hushing of the detector is made simple by the use of a big button.

Functional Features:

Standby: In the operating mode, the red LED will flash once every 40 seconds.

Alarm: When the smoke detector detects particles of combustion and the concentration of smoke reaches the alarm threshold, the red LED will flash once per second with a pulsating alarm. This alarm will persist until the smoke within the chamber is cleared or when the alarm is manually acknowledged.

Ambient Light detection function : LED dimmed to prevent disturbance of night sleep in dark room

Low battery: When the battery voltage is below the set threshold, an intermittent chirp will be emitted and the red LED will flash **ONCE** every 40 seconds.

Sensor Chamber Fault: If the smoke detection chamber function weakens to below set threshold, a chirp signaling a fault will be emitted. Under this condition, the LED indication will NOT blink.

Buzzer failure fault: In the event of Buzzer failure the red LED will have **TWO flashes** every 40 seconds

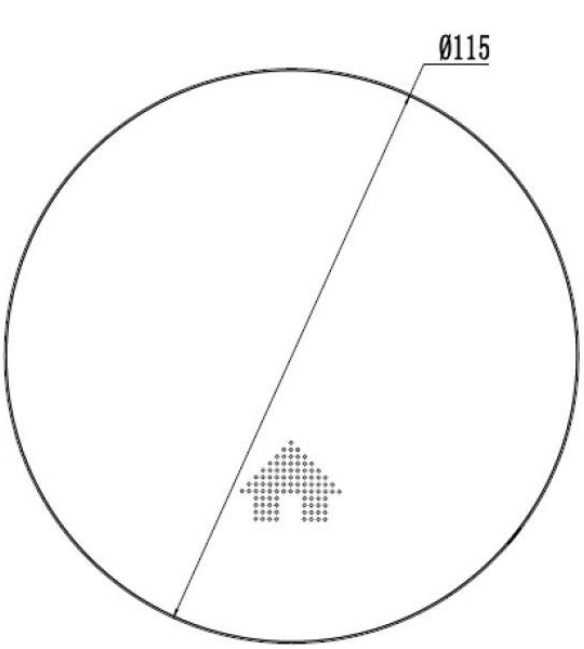
Silence: To silence the detector when it is in an alarm condition, pressing the test button will pause the alarm for approximately 10 minutes. Under this condition, the red LED will flash once every 8 seconds. If the smoke in the chamber is still present, the alarm will resound upon expiry of the silence mode.

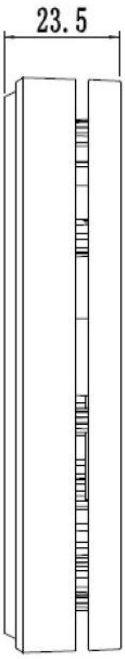
Do not disturb (hush): When the detector is in a fault or low battery mode, pressing the test button will temporarily silence this warning tone for 10 hours. However, the warning signal will resound after 10 hours if the detector is not being attended to. The red LED will flash once every 40 seconds under hush mode.

Technical Specifications

Model Number: GS546
Power Source: DC 3V Built-in lithium battery.
Quiescent Current: <10uA
Alarm Sensitivity: 0.1-0.15 dB/m.
Standard complied with: EN14604:2005/AC-2008
Certification Body: VdS Approval
Alarm Current: < 90mA
Alarm Volume: >85dB(A) @ 3m
Hush time: 10 minutes ± 10%
Battery service life: 10 years (approx)
Humidity Range: <95% relative humidity (RH)
Temperature Range: 0°C to 40°C
Size: 115mm diameter x 23.5mm depth

Dimensional Views (full size)





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