



Combination Smoke & Carbon Monoxide Alarm

Combination Smoke & Carbon Monoxide & Natural Gas Alarm

Combination Heat & Carbon Monoxide Alarm

12 units per carton, 28 pounds per carton

applications

The Place Smart Alarms are for use as evacuation devices in all dwelling units, including but not limited to homes, apartments, hospitals, hotels and motels. Available in several different models, the Place Smart Alarms are engineered to comply with ANSI/UL217 9th Edition to help reduce cooking nuisance alarms and deliver outstanding performance wherever reliable fire protection is required.

The Place Smart Alarms are provided with 3V lithium battery back-up in the event building power is lost. Low frequency sounder alerts occupants of hazardous conditions.

The Place smoke, CO, natural gas and heat alarms are ANSI/UL 217, ANSI/UL 2034, UL1484 and/or ANSI/UL 539 listed and are warranted for one year from date of purchase.

standard features

- PL1AS/PL1K/PL1N/PL1G: available in 120VAC models with 3V battery back-up
- PL1AS/PL1K/PL1N feature photoelectric light scattering smoke sensing technology.
- PL1AS/PL1K/PL1N/PL1G feature electrochemical CO sensing technology
- PL1K features natural gas (Methane) sensing technology
- PL1G features heat thermal sensing technology
- 79dBA low frequency evacuation sounder. Frequency 520Hz +/- 10%
- Temporal 3 evacuation signal pattern for smoke/heat annunciation with voice message
- Temporal 4 signal pattern for CO annunciation with voice message
- Temporal 5 signal pattern for natural gas annunciation with voice message
- Smoke Alarm: Nominal 1.54% smoke sensitivity
- CO Alarm: 70ppm (60-240 minutes), 150ppm (10-50 minutes), 400ppm (4-15 minutes)
- Methane Alarm: less than 10% methane LEL
- Heat Alarm: 150F fixed alarm
- Capacitive touch button functional user test feature
- Quick-disconnect wiring harness (neutral, hot, interconnect)
- Rear loading battery cartridge
- Interconnect only with other Place devices
- Non-latching (self-restoring) alarm
- Pulsing LED sensing chamber with insect guard
- Indicator light: steady-on green LED for AC power, red LED pulses every 15 seconds. If low levels of smoke, CO, natural gas or heat, then red LED flashed every 1 second.
- Mounting hardware adapts to standard junction boxes
- Dust cover to prevent contamination during installation
- Low or missing battery indicator
- WiFi connected (802.11 g/n at 2.4 GHz)
- Mobile app notifications of all alarm events.
- Temp/Humidity monitoring and motion notifications via mobile app
- One-year limited warranty from date of purchase
- 10-year end-of-life indicator



any space
PL1AS



nursery
PL1N



kitchen
PL1K



garage
PL1G



Intertek



Product Listings

- PL1AS/PL1K/PL1N: ANSI/UL 217 9th Edition Listed
- PL1AS/PL1K/PL1N/PL1G: ANSI/UL 2034 4th Edition Listed
- PL1K: ANSI/UL 1484 6th Edition Listed
- PL1G: ANSI/UL 539 7th Edition Listed

Product Compliance

- NFPA 72 Chapter 29
- NFPA 715
- IBC/IFC/IRC/NFPA101
- CSFM
- FCC Part 15, Class B Digital Devices
- Quality Management System is certified to: ISO 9001:2015

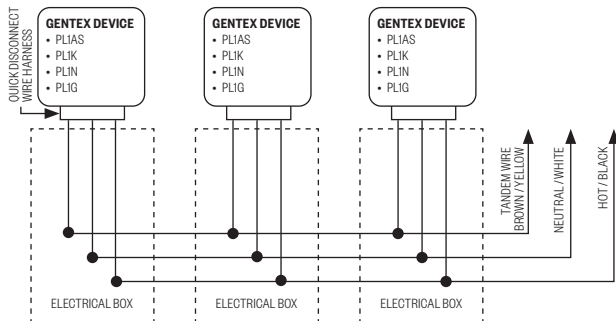


Model	Part Number	Voltage	Sensor				Additional Features									
			Smoke	CO	Heat	Natural Gas	Wi-Fi Connectivity	Low Frequency Alerts	Temp/ Humidity Monitoring	Interactive Nightlight	Motion Detection & Alerts	Air Quality Monitoring & Alerts	VOC Monitoring & Alerts	Video Monitoring System w/ Intercom	White Noise Generator	
PLIAS	918-0022-002	120 VAC	•	•			•	•	•	•	•					
PLIN	918-0023-002	120 VAC	•	•			•	•	•	•	•	•	•	•	•	
PLIK	918-0024-002	120 VAC	•	•		•	•	•	•	•	•					
PLIG	918-0025-002	120 VAC		•	•		•	•	•	•	•			•	•	

specifications

Operating Voltage	120VAC, 60 Hz
120VAC Operating Current	0.1 amps
Operating Ambient Temp Range (PLIAS/PLIK/PLIN)	40°F to 100°F
Alarm Low Frequency Sound Rating	79 dBA at 10 feet
Audible Alarm Frequency	520Hz +/- 10%
Nominal Smoke Sensitivity	1.54% obscuration
Heat Alarm (PL1G)	150°F at 50 feet
Approximate Size	5.7" x 5.7" x 1.7"
Secondary Power Source	(2) Energizer® Ultimate Lithium AA (L91)

Tandem Interconnect Wiring Diagram



architect & engineering specifications

The Place Smart Alarm family shall provide at least the following features and functions:

- Nominal smoke sensitivity shall be 1.54%.
- The alarm shall utilize a LED sensing circuit which pulses in 1 second intervals when subjected to elevated levels of smoke. When sensed smoke exceeds the internal alarm threshold, the alarm will activate.
- Use only Energizer® Ultimate Lithium AA (L91) batteries (2X) available at many retailers.
- The alarm shall have a 3V lithium battery back-up in the event building power is lost.
- The 3V lithium battery impedance shall be verified by the circuit of the smoke alarm.
- The alarm shall provide an indicator when the battery is low in power, or high impedance, or is missing.
- The sensing chamber shall be fully screened to prevent entrance of small insects, thus reducing the probability of false alarms.
- Low frequency notification rated at 79dBA at 10ft (UL reverberant) and 520Hz +/- 10%.
- A visual LED monitor (condition indicator) will flash red every 15 seconds in normal operation and every 1 second with elevated smoke/CO/ natural gas/heat and while in alarm.
- The alarms shall have the interconnect capabilities of up to 18 initiation devices with a maximum of 12 PLIAS/PLIK/PLIN alarms.
- Unit must be ANSI/UL 217, ANSI/UL 2034, UL1484 and/or ANSI/UL 539 listed for both wall and ceiling mount.
- 28 Pounds per carton.
- Unit shall be listed by ETL.
- Fresh batteries will power the devices for at least 7 days without sounding the low-battery trouble chirp.
- When the battery is low, the device can still sound the smoke alarm for at least 4 minutes and will continue to provide a low-battery chirp for up to 7 days.

All equipment shall be completely factory assembled, wired and tested, and the contractor shall be prepared to submit a certified letter testifying to this condition. Alarms which do not meet all of the requirements of this specification will not be considered.



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Battery Capacity 3500 mAh

	Current		Duration		Capacity		% Total Battery	Notes
	mA	mA	min	hr	mAhr	mAhr		
Battery Normal Operation	3.5	mA	16.67	days	1400	mAhr	40%	Time from fresh batteries to low battery (running on battery)
Low Battery Chirp	4.1	mA	7	days	688.8	mAhr	20%	7 day chirping at low battery
Low Battery Smoke alarm	424.1	mA	4	min	28.27	mAhr	1%	4 minutes of smoke alarm
Low Battery CO Alarm	713.1	mA	12.08	hr	143.6	mAhr	4%	Total of CO alarm requirement (5 min full +12hrs reduced)
CO plus Low Battery Chirp	N/A		N/A		832.4	mAhr	24%	Total of worst case low battery (CO alarm + 7 day chirp)

notes

- It is recommended that Place smoke alarms are tested weekly.
- Use only Energizer® Ultimate Lithium AA (L91) batteries (2X) available at many retailers.
- When both smoke/heat and CO conditions are present, smoke/heat condition will have priority and the alarm will sound temporal 3 smoke/heat annunciation.
- When both smoke/heat and natural gas conditions are present, smoke/heat condition will have priority and alarm will sound temporal 3 smoke/heat annunciation.
- When both natural gas and CO conditions are present, natural gas condition will have priority and alarm will sound temporal 5 natural gas annunciation.



Safety,
Comfort,
Security –
it's all in
PLACE



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