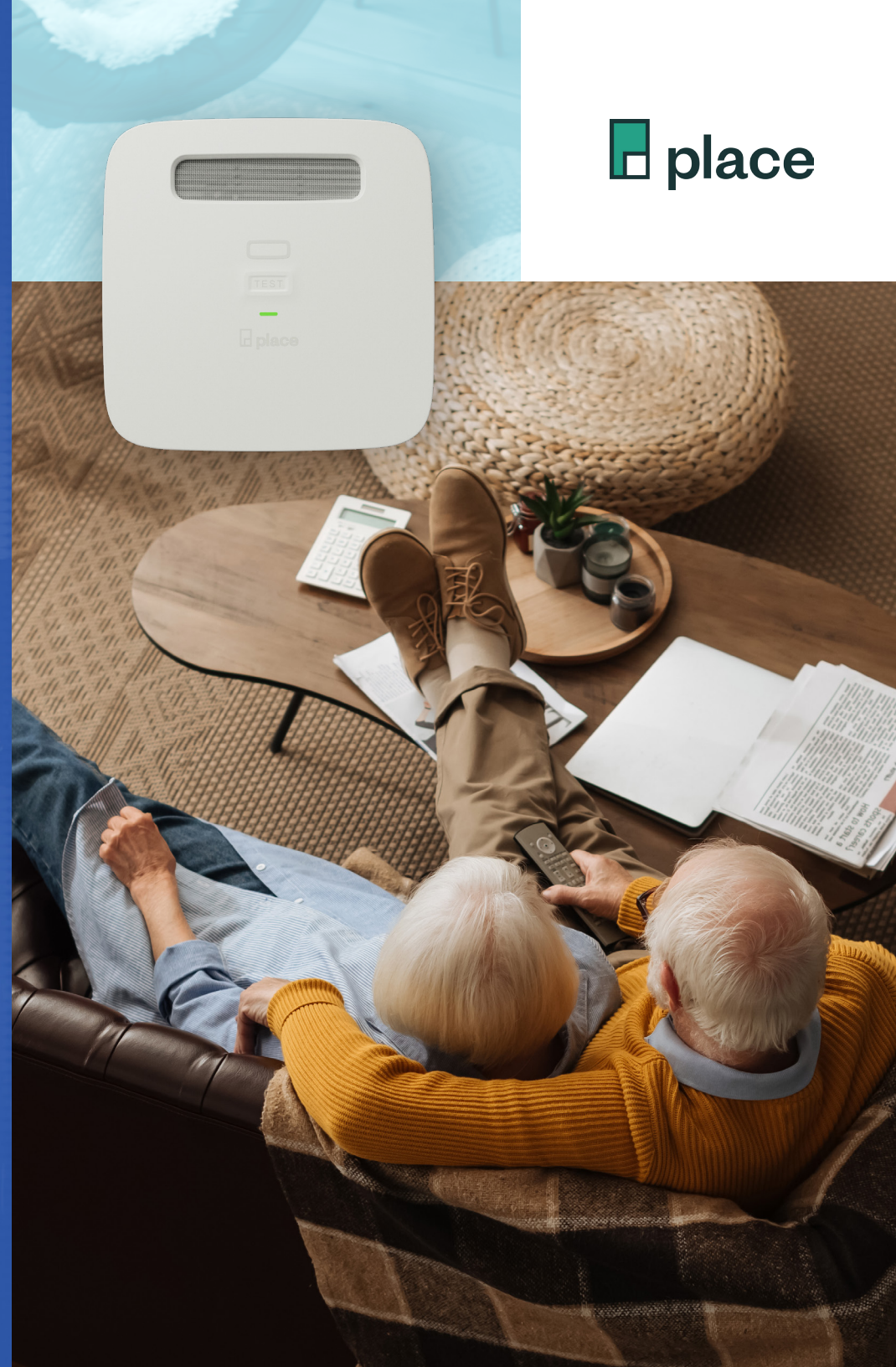


A Single-Device Approach to Life Safety in Senior Living Communities

How one device can combine smoke, CO, and 520 Hz notification while supporting greater resident-room intelligence.



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Getting Started with HomeLink Solutions
and PLACE



The shift to 520 Hz notification

For years, most audible fire alarms relied on a conventional high-frequency signal. But newer fire codes have changed the standard for multi-dwelling unit sleeping rooms, requiring a 520 Hz low-frequency signal.

Senior living communities serve the population this code change is especially designed to protect: older adults who are more likely to experience hearing loss, including hearing that may decline over time.

Research shows a 520 Hz signal presented at 75 dBA awakened 92% of adults with hearing loss, compared with 56% for a conventional high-pitched alarm.*

For senior living communities, the move to 520 Hz is both a code requirement and an opportunity to design more effectively for the people living in each room.

However, meeting the newer requirement can add another layer to an already complicated

* Source: <https://pubmed.ncbi.nlm.nih.gov/19125029/>





When code compliance adds more equipment

In a conventional design, smoke detection, carbon monoxide detection, and 520 Hz notification often require separate equipment for each.

Consequently, every new capability also brings more to coordinate. Each device has to be specified, installed, tested, documented, maintained, and eventually replaced across dozens or hundreds of resident rooms.

Over time, it affects routine testing, service calls, renovations, equipment replacements, and future expansions. For communities operating multiple buildings or properties, it can also make it harder to maintain a consistent resident-room standard.

A single-device approach offers a simpler way forward.

PLACE is the only solution on the market to offer full compliance in a single device.

By combining smoke detection, carbon monoxide detection, and 520 Hz notification, communities can meet core life-safety requirements with fewer devices in each room.

Here's what that single-device approach can mean for your residents, your staff, and your community.



ALL-IN-ONE COMPLIANCE

Reduce the upfront and ongoing burden of life safety

PLACE brings three core life-safety functions together in one device: smart smoke detection, carbon monoxide detection, and code-required 520 Hz notification. It is the only single-device solution to combine all three.

For senior living communities, that creates a significant operational advantage both up front and over time.

Simpler from the start

Because all three functions are built into one unit, project teams have fewer products to specify and fewer individual requirements to coordinate during design and installation.

Whether a community is planning new construction, renovating existing rooms, or approaching a 10-year replacement cycle, PLACE provides one repeatable standard rather than requiring teams to piece together the same functions from separate products.

Less to manage over time

That consistency continues long after installation. With fewer independent devices in each room, facilities teams have less equipment to test, document, inspect, and service.

Across a community, PLACE can simplify:

- + Life-safety testing and documentation
- + Routine inspections and service
- + Battery and equipment replacement planning
- + Room turns, renovations, and future upgrades
- + Training for facilities teams
- + Standardization across buildings and properties



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MOTION AND ENVIRONMENTAL SENSING

Supporting resident independence while improving staff efficiency

Reducing operational burden is one advantage of PLACE. But the same device can also support residents and staff beyond an emergency.

Staff need useful insight into resident activity and room conditions so they can recognize when someone may require additional support. But how they gain that visibility matters. Frequent room checks can interrupt residents' routines, cameras can feel intrusive, and wearables depend on residents to wear, charge, and remember another device.

PLACE provides a more passive approach. Its built-in environmental sensing and motion detection give staff added context without requiring cameras or any action from the resident. Staff can stay informed while residents maintain the space, privacy, and independence they value.

Motion detection

PLACE uses motion detection to provide passive insight into activity within a resident room without relying on cameras or wearables.

Over time, this can help staff recognize changes such as:

- + **A change in morning activity**
A departure from a resident's typical morning routine may suggest that a check-in is warranted.
- + **Unusual overnight movement**
Changes in the timing or frequency of nighttime activity can give staff more context about a resident's routine.
- + **An extended period without expected activity**
A lack of movement during a normally active part of the day may be worth a closer look.

These signals are not meant to replace staff judgment or make every change an urgent event. Instead, they can help staff focus their attention where it may be most useful.

Environmental sensing

PLACE also monitors temperature and humidity within the resident room. If conditions move outside expected ranges, staff can identify the issue before it goes unnoticed for an extended period.

That added visibility can be especially useful when a resident may not recognize a change, report discomfort, or adjust the room on their own. It gives staff another way to stay informed without adding routine checks solely to monitor room conditions.

Motion-aware nightlighting

When PLACE detects movement in the dark, its built-in nightlight provides low-level illumination. This can make it easier for residents to navigate common nighttime paths without searching for a light switch.

Together, these capabilities give staff useful signals without placing new demands on residents. And because they are built into the same device used for life safety, communities can add this layer of support without installing and managing another collection of resident-room equipment.



PLACE AT A GLANCE

More built into every resident room

PLACE brings core life-safety, wellness, and environmental capabilities together in one hardwired device.

- + Smart smoke and carbon monoxide detection
- + Code-required 520 Hz low-frequency sounder
- + Localized voice alerts
- + Motion detection
- + Ambient temperature and humidity sensing
- + Motion-aware nightlight
- + Wi-Fi connectivity for real-time notifications and remote visibility
- + Hardwired installation for dependable performance

GENTEX
CORPORATION

Built on more than 50 years of proven performance

PLACE is manufactured by Gentex, bringing decades of experience in fire protection and sensing technology to every resident room.

- + More than 50 years of fire-protection experience
- + Long-standing commitment to quality
- + High-volume manufacturing expertise
- + Manufactured in the United States

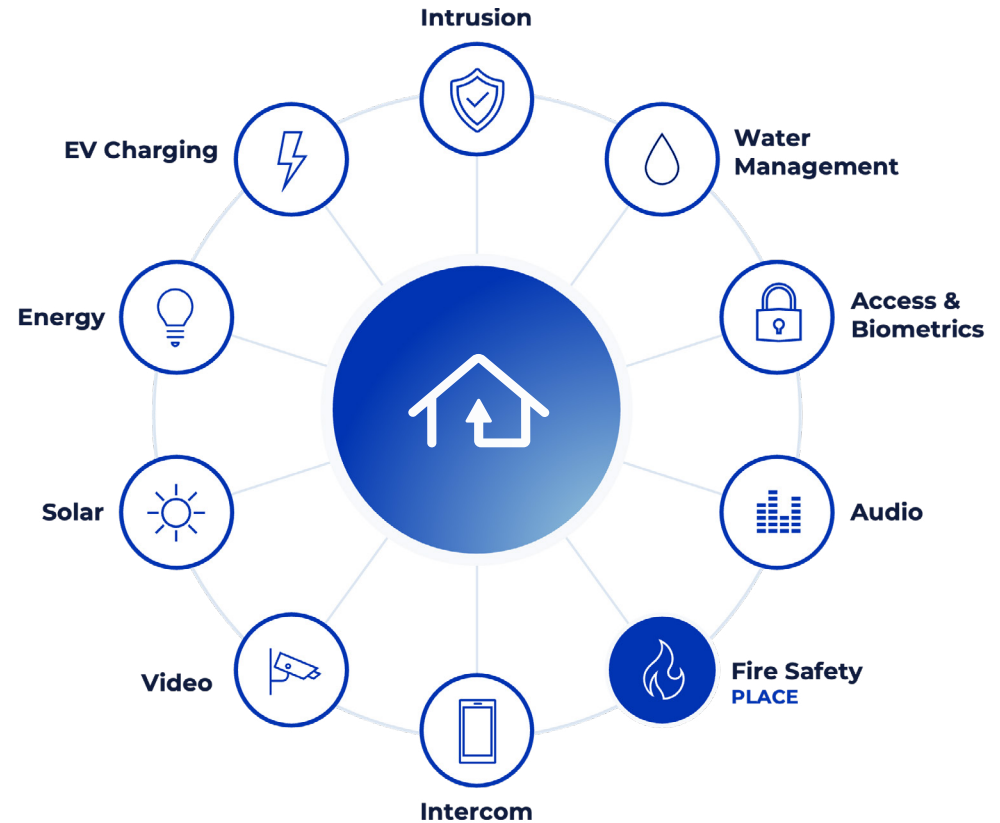


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Technology for every part of your community

PLACE is one part of HomeLink Solution's broader approach to senior living. Along with resident-room life safety and wellness, HomeLink Solutions provides smart security, operations, and comfort solutions across the community.

Together, these technologies give communities one trusted partner for a wider range of resident and operational needs.



Build a more connected senior living community

Our team is here to help you explore the right solution for your community.

[Click to Learn More](#)

Or visit:
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