

Simple. Smart. Reliable.



IntelliKnight™ Series

EVS-INT50W Internal Amplifier



What is the EVS-INT50W Internal Amplifier?

The EVS-INT50W is a single speaker circuit, 50 watt amplifier that mounts in the 5820XL-EVS cabinet. It is powered from the 5820XL-EVS panel and has an option to produce the 520Hz low frequency tone required by NFPA in sleeping areas.

What are the Benefits to Using this Product?

- The amplifier is housed in the 5820EVS cabinet, saving valuable wall space by eliminating an external amplifier cabinet. This is especially important in applications where wall space is at a premium
- Eliminating external hardware also saves time and money from having to mount an external cabinet, install conduit, and run wire. All wiring for the for EVS-INT50W is internal to the 5820XL-EVS cabinet.
- Eliminates a dedicated AC run. The EVS-INT50W is powered from a 24 VDC constant power source thus saving time and money from needing to run a dedicated AC power source
- Multiple internal and distributed amplifiers can be used on an installation. The 5820XL-EVS supports up to 4 amplifiers. Internal and distributed amplifiers can be used in any combination providing for flexible installations from small to large

Applications

Here are just a few of the possible applications for the EVS-INT50W internal amplifier:

- Day Care Centers
- Assembly Occupancies
- K - 12 Educational Facilities
- Lodging



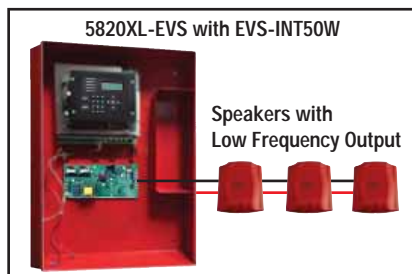
**SILENT
KNIGHT**

by Honeywell

EVS-INT50W Internal Amplifier Applications

Day Care Centers

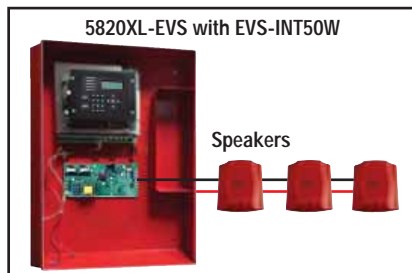
Day care centers provide an ideal application for the internal amplifier because of the limited wall space for mounting external hardware and the requirement for the 520Hz low frequency output. Many jurisdictions are adopting the 2012 edition of the International Building Code (IBC) which states that a manual fire alarm system that initiates the occupant notification signal utilizing an emergency voice/alarm communication system shall be installed in Group E occupancies. Day Care facilities fall under a Group E occupancy. In addition, Section 18 of the 2013 edition of NFPA 72 states that effective January 1st, 2014,



audible appliances provided for the sleeping areas to awaken occupants shall produce a low frequency alarm signal.

Assembly Occupancies

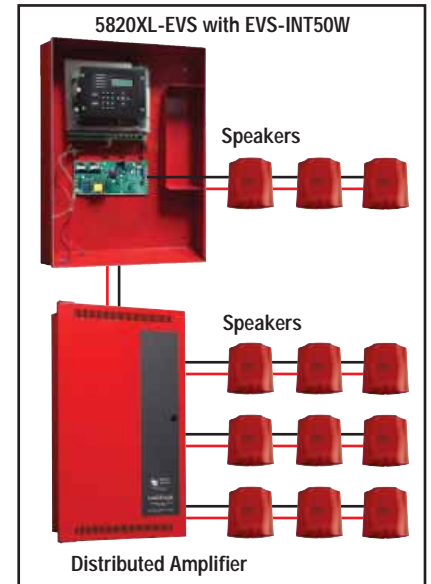
As defined by NFPA 101, an assembly occupancy is an occupancy used for a gathering of 50 or more persons for deliberation, worship, entertainment, eating, drinking, amusement, awaiting transportation, or similar uses. A common example of an assembly occupancy is a place of worship where the area of congregation will require voice evacuation. In most cases,



a single speaker circuit providing up to 50 watts will provide required decibel output while meeting audibility requirements.

K through 12 Educational Facilities

Educational facilities offer the ability to use the internal amplifier with the flexibility of integrating distributed amplifiers. As with the Day Care Center application, K through 12 educational facilities fall under a Group E occupancy. Since many classrooms and other gathering locations will have an occupant load of greater than 30 people, these facilities are prime candidates for voice evacuation.



Lodging

Due to recent code updates and state/local legislation, low frequency is becoming common in the lodging industry. Section 18 of the 2013 edition of NFPA 72 states that effective January 1st, 2014, audible appliances provided for the sleeping areas to awaken occupants shall produce a low frequency alarm signal. Full coverage for low frequency voice evacuation can be accomplished by using a combination of the internal amplifiers and the distributed EVS-100W amplifiers.

