



July 2024

CASE STUDY

AICO LD1 SYSTEM PROVIDES
LIFE SAVING PROTECTION FOR
EAST DEVON DISTRICT COUNCIL
RESIDENTS

TOGETHER WITH



EAST DEVON DISTRICT COUNCIL
IMPLEMENTED AN AICO CATEGORY
LD1 FIRE ALARM SYSTEM INTO AN
ASSISTED LIVING FACILITY,
PROVIDING LIFE-SAVING
PROTECTION IN THE EVENT OF
DISASTER.

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Stay Protected, Stay Safe



A Category LD1 fire alarm system is widely considered within the industry as the highest level of fire protection in domestic properties. Covering all rooms that present a risk of fire throughout a property (excluding bathrooms and wet rooms), a Category LD1 system offers quicker detection and enhanced safety for the occupant. They provide peace of mind for landlords and residents alike, ensuring the property is compliant with British Standard BS 5839:6 whilst minimising the risk of fire hazards.

One East Devon District Council resident experienced first-hand the lifesaving protection that an LD1 category system can provide.

IMPLEMENTING A CATEGORY LD1 SYSTEM

In November 2023, Orestone Controls, a specialist Fire and Security installer, visited the East Devon District Council Assisted Living Facility. During the initial visit to site for unrelated works, Orestone noticed that the 30 dwellings at the property mainly consisted of Category LD3 fire alarm systems. A LD3 system is the minimum level of fire protection that can be installed, covering only the areas that form escape routes, such as hallways and landings.

Orestone recommended upgrading to ensure compliance with British Standards. As such, East Devon District Council took the proactive and responsible steps to commence works for an interconnected Aico LD1 System to be installed, viewing it as a long-term investment to protect the lives of their residents. Works were completed on upgrading this system in December 2023.

AICO'S LD1 SYSTEM IN ACTION

Just four months after Aico's Ei3016 and Ei3014 alarms were installed, disaster struck. A fire broke out in one of the properties, engulfing every room and causing extensive damage. The following images illustrate the harrowing damage caused by the fire.



Despite the destruction to the property caused by the blaze, Aico's fire alarms delivered an early warning and quick alert to the resident, providing those precious extra minutes to evacuate the property safely and contact the relevant authorities.



It's eye-opening to receive photographs like these from a customer's 2-bedroom flat where a fire recently broke out. These images starkly remind us of the importance of our job and the devastating impact a fire can have on a home and the lives within it. Thankfully, due to the early detection provided by Aico's LD1 fire alarm system, the resident was alerted in time and managed to evacuate safely, potentially saving their life.

Ryan Mullen, Chief Commercial Officer at Orestone Controls



We are incredibly thankful for Orestone's recommendations and fire safety knowledge. The installation of the LD1 detection system has made a significant difference, potentially saving the resident's life during the recent fire. This experience underscores the importance of comprehensive fire detection systems in protecting our vulnerable residents.

Sue Hodges, East Devon District Council



A CLOSER LOOK AT AICO'S INNOVATIVE FIRE ALARMS

The Category LD1 system in place in this property included several Aico high-specification alarms to provide early warning, including the Ei3016 Optical Smoke Alarm and the Ei3014 Heat Alarm. The alarms combine intelligence with simplicity, providing a total fire response.



Ei3016 Optical Smoke Alarm: Designed to effectively detect slow, smouldering fires in the living room, bedroom, hallway, landing, or dining room. This alarm contains a high-performance Optical Sensor and built-in dust compensation with a unique self-monitoring system.



Ei3014 Heat Alarm: This alarm contains a fast-response Thermistor Heat Sensor, and is triggered when temperatures reach 58°C, best for detecting heat build-up from large, fast-flaming fires.

These alarms were hard-wired and wirelessly interlinked across the property, whilst also being connected to the Warden Call System via Aico's Ei128RBU Relay Module. The Ei128RBU is designed to operate whilst the alarm is sounding, and can be connected to a range of devices including panels, and warden call systems. When any of the interconnected alarms sound, the signal will cause the relay contacts to switch.



STAY PROTECTED, STAY SAFE



This proactive and collaborative approach from East Devon Council and Orestone to upgrade the fire detection system to LD1 is highly commendable. Implementing Aico's D1 LD1 system provides the highest form of protection, and, in this case proved invaluable, ultimately providing an early warning sign, potentially save the residents life.

Will Collier, Aico Relationship Manager - South Central



This unfortunate event reminds us of the pivotal lifesaving role that fire alarm systems play in resident safety, with an LD1 category system providing the highest form of protection. The system ensures the resident is protected in all areas of the home, providing peace of mind and ultimately a safer living environment. Ensuring your property is equipped with a comprehensive LD1 fire alarm system could be the difference between life and death. Stay protected, stay safe.

Learn more about Aico's innovative product range here: www.aico.co.uk/products/