

Using Carbon Monoxide Alarms in Commercial Applications

Q: The owner of an indoor go-cart race-track is proposing to use Listed UL 2034 carbon monoxide alarms in the building. The alarms are to be connected to the building's fire alarm system. Are these devices Listed for use in this application?

A: Carbon monoxide alarms investigated in accordance with the Standard for Single and Multiple Station Carbon Monoxide Alarms, ANSI/UL 2034 are not Listed for use in the application you described. The requirements in UL 2034 cover single and multiple station carbon monoxide (CO) alarms intended for protection in ordinary indoor locations of dwelling units, including recreational vehicles, mobile homes, and recreational boats with enclosed accommodation spaces and cockpit areas.

UL does List carbon monoxide detectors for use in applications such as the one you described. These are covered under the Gas and Vapor Detectors and Sensors (FTAM) product category. The gases and vapors for which these detectors have been investigated are described in the individual Listings, together with the extent of the areas protected by individual detectors. These sensors and detectors are intended to be connected to a Listed Emergency

Alarm System Control Unit (FSZI), which is used to generate a system alarm signal upon sensing an alarm condition from the gas detector. They can also be connected to a UL 864 Listed Fire Alarm Control Unit (UOJZ), provided the system complies with the National Fire Alarm Code, Section 6.8.4 requirements for combination systems.

