Advanced Multi-Criteria Fire/CO Detector (AMCF/CO)

What is the Value of AMCF/CO?

Applications

The primary application is commercial sleeping spaces, including hotels/motels, managed-care facilities, college dormitories, and military housing.

Other applications are rooms with or near fossil-fuel-burning appliances, such as laundry rooms, rooms with a gas fireplace, and mechanical rooms.

Value Message

The AMCF/CO uses the System Sensor Advanced Multi-Criteria Fire Detector as its base and adds a separate carbon monoxide (CO) signal for life safety CO detection. The AMCF/CO detector works with the System Sensor B200S sounder base. The B200S was designed with this type of detection in mind and produces both Temporal 3 and Temporal 4 patterns for fire or CO notification. Together these devices create an attractive, functional, and cost-effective system.

Attractive

The only visible device is the AMCF/CO installed in the sounder base. Previously, to meet the same requirement, a CO detector, smoke detector with base, and mini horn would be visible. With just one device, the appearance of any room is improved.

Functional

The Advanced Multi-Criteria Fire Detector component uses four sensing elements to provide the best smoke detection and nuisance rejection available. The CO detection is the same technology used in our CO1224T, which includes RealTest®, the first field functional CO test fully compliant with NFPA 720-2009 requirements. The B200S sounder base ties the system together by providing the appropriate temporal signals, and because it can synchronize with System Sensor A/V devices, it can act as part of the evacuation signal vs. using a separate device.

Cost-Effective

This multi-functional device eliminates the need for a separate CO detector, smoke detector, mini horn, monitor modules, and all of the associated wiring and junction boxes. It also eliminates additional addresses consuming points on the loop. There's only one device to wire, one junction box, and one address – a much more cost-effective system.
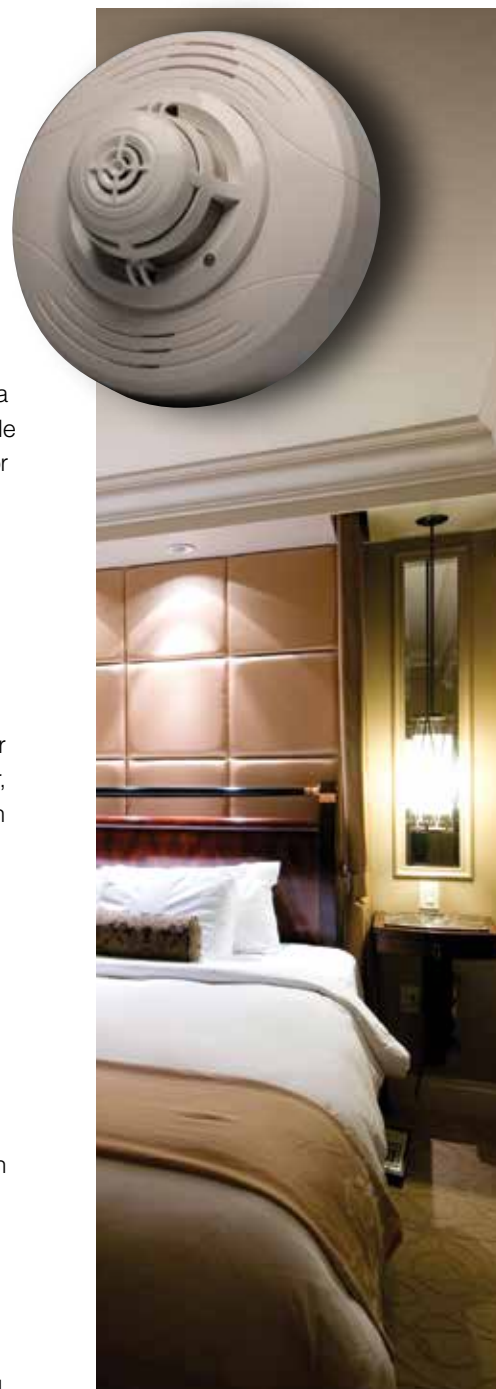
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