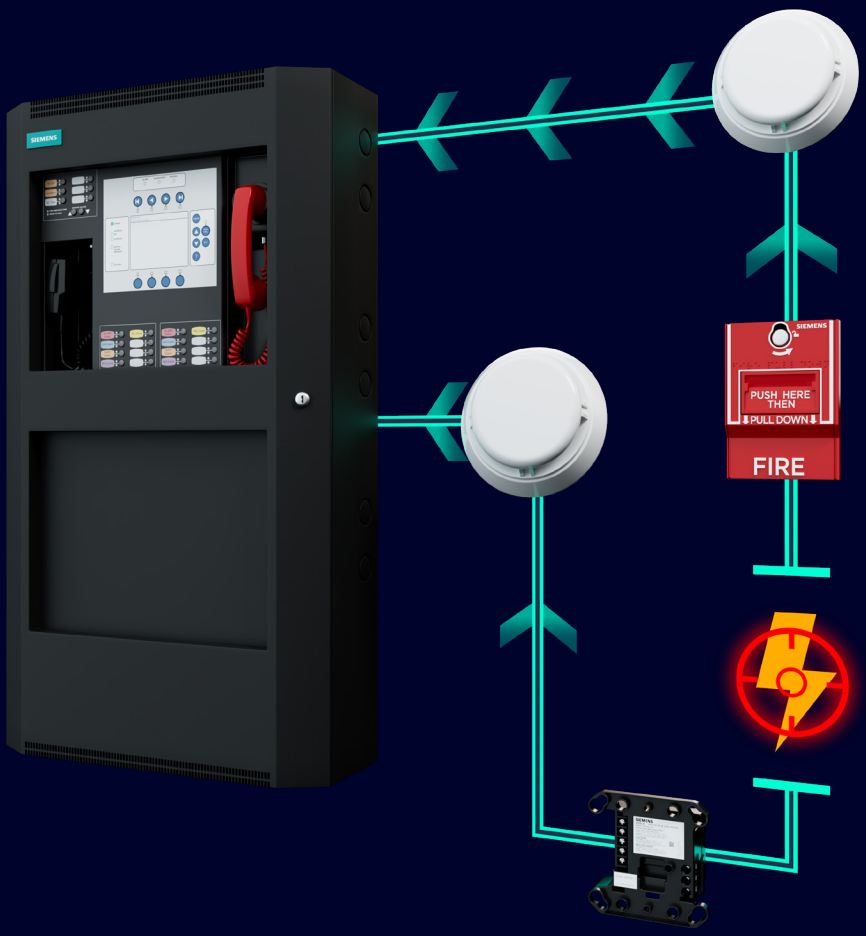


ISO*technology*™- Standard Built-in Class X

Enhanced protection for a more reliable fire safety system.
usa.siemens.com/ISOtechnology

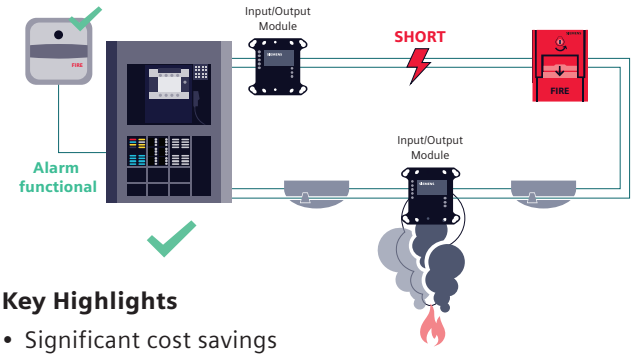
Despite the critical importance of a fire safety system's performance in protecting building occupants in the event of a fire or other building emergency, system designs often end up being based on the lowest possible installation and product cost. Wiring shorts or open circuits can render fire systems inoperable or significantly limit detection of fire events and therefore, potentially limit the ability to notify and evacuate building occupants.

SIEMENS

ISO*technology*

Siemens is the first and only UL fire product manufacturer with **ISO***technology* on all major devices at no extra cost, providing secure and maximum protection against short circuits for a more reliable life safety system. Our flexible on-demand isolation allows for easy system expansion and modification. With addressable isolation, location of a fault detection is made easy.

Fire Alarm System with Class X and built-in isolation (“ISO*technology*”)



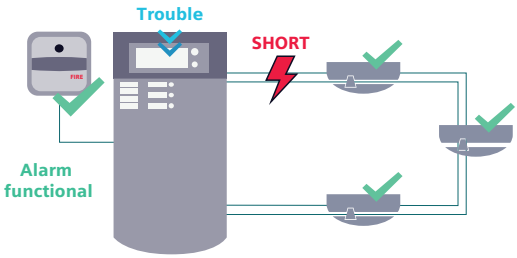
Key Highlights

- Significant cost savings
- Increased survivability of the system
- More efficient maintenance
- Isolation built into its devices, alleviating the need to install so many fire devices which then eliminates extra labor, backboxes and conduit – making the project overall more efficient

Class X Benefits

Ensure resiliency and survivability of your system with Class X isolation. Don’t let a short in your system stop all devices from alarming, with Class X, a fault in your system can be quickly identified and repaired by a technician.

Fire Alarm System with a Short on Class X SLC



Key Highlights

- Occupants are not disrupted and business operations are not interrupted
- Occupants benefit from continued protection and alarming as necessary
- Service technician time on site is limited and impact is minimized by isolating to a location rather than checking entire circuit

Where ISO*technology* and Class X benefits can be realized

Campus | **Data Center** | **Hotel** | **Mixed Use** | **Hospital**

Superior safety

- A SLC short in one zone will not disable other zones
- Loop devices remain 100% operational during short circuit
- Class X is synonymous with high reliability for fire alarm systems

Superior survivability

- A short circuit fault can be located easily with pin point accuracy
- Detailed reporting increases service efficiency returning the system back to normal quicker
- No need for external isolation modules means fewer potential points of failure – increasing system reliability

System lifetime cost saving

- Less hardware = lower total device costs – reduces purchase costs
- Fewer devices to test and maintain = lower life cycle costs
- Faster troubleshooting lowers service call duration – lowering overall interruption to facility

To learn more, visit usa.siemens.com/ISOtechnology.

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