

# SIMPLEX® 4004R SPECIAL HAZARDS SUPPRESSION RELEASE PANEL

## Advanced features in an all-new affordable design

Introducing the first suppression release control panel designed from the ground up for special hazards protection.

Start with our best-in-class Simplex® TrueAlarm® detection, in which automatic drift compensation minimizes nuisance alarms. Now add an array of performance features that – until now – were found only on Simplex® high-end fire alarm systems.

All at a competitive price that makes Simplex® 4004R the finest value in special hazards protection.

## Meets requirements for ANY special hazards application – completely compatible

The 4004R panel is FM and MEA\* approved and UL, ULC, and CSFM\*\* listed for automatic extinguishing agent, deluge and preaction sprinkler release control. It's also CE compliant.

Moreover, the 4004R panel is fully compatible with ALL major types and brands of suppression agents and actuators. This allows your contractor or SimplexGrinnell to specify each system component on the basis of suitability for your application, rather than being unnecessarily confined to one product line or brand.

The 4004R Suppression Release Control Panel protects any location where fast-spreading fire can cause catastrophic destruction and halt operations, including:

- Computer rooms and corporate data centers
- Internet server sites
- Telecommunications switching rooms
- Automotive manufacturing and paint spray operations
- Clean rooms
- Petrochemical plants
- Fuel terminals and storage



# 4004R Special Hazards Suppression Release

- Conventional and nuclear power plants
- Aircraft hangars / heliports
- Museums / archives

## Single and dual hazards

Independent dual-hazard protection is another capability introduced with the 4004R panel. It protects two discrete hazards areas independently. It can initiate suppression release in either hazard area, avoiding the expensive consequences of an unnecessary release in the other. The persuasive economics of dual-hazard protection include the lower cost to install and service a single panel.

## Greater safety – supervising both open and short circuits

Designed for survivability, the 4004R system supervises the actuator circuit for both open- and short-circuit fault conditions – a critical safety feature in special hazards applications. Most systems are only able to detect an open-circuit fault. Short-circuit conditions are not detected, and in a real emergency, that defeats the system operation.

## 50-event history log – unerasable, tamper-proof

Available on no other panel of its kind, the 4004R panel puts a detailed history of the last 50 events at your fingertips. It records in sequence the date and time of abnormal conditions (alarm, supervisory or trouble), activation of manual controls, audible or visible outputs, and suppression release. More reliable than eyewitness recall, this information is of enormous value for incident investigations

and provides an irrefutable record for court actions.

Data is non-volatile and read-only, meaning it is unaffected by power failure and can't be cleared or modified.

## Much easier programming, with customizable release delay

Contractors and end users will welcome the easy setup. No computer code. No tricky equations. Simple-to-use templates let you quickly define your system and its activation parameters, greatly reducing the risk of programming error.

With the 4004R panel, you select from nine pre-programmed applications. You can match release delay exactly to your hazard and physical layout. For manual alarm, release delay can be set at 0, 5, 10, 15, 20, 25 or 30 seconds. Release delay for automatic alarms can be set at 0, 10, 20, 30, 40, 50 or 60 seconds. No other panel gives you this new degree of flexibility.

## Plus many more built-in options

- Five abort delay settings – 0 seconds; 10-seconds; Industrial Risk Insurers (IRI); New York City (NYC) abort; and Reset Original Release Time Delay
- Eight soak settings – 0 or 45 seconds; 1, 3, 4, 5, 6 or 7 minutes
- Four supervisory notification schemes
- Class A or B, or Style C IDC operation
- Audible event escalation
- Up to 11 auxiliary control relays

## OneStop™ Solutions Integration

SimplexGrinnell provides system design and installation for all major brands of special hazards protection. Unlike suppliers of specific agents or equipment, SimplexGrinnell addresses your needs without brand bias. The result is superior, cost-effective protection completely tailored to your application.

It's part of our OneStop™ Solutions Integration, offering the convenience and savings of a single-source provider for all of your fire, integrated security, building communications and healthcare communications requirements.

To learn more about SimplexGrinnell's special hazards protection capabilities, call 1-800-746-7539 today. Or visit us at [www.simplexgrinnell.com](http://www.simplexgrinnell.com).

\* New York City MEA Approval

\*\* California State Fire Marshal

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