



# Gold Standard Fire System Redundancy



# Gold Standard Redundant Control

The loss of fire protection through faults or equipment failure has serious consequences, which is why Advanced has created the gold standard redundant backup for all your fire panels.

As you'd expect from Advanced, our 100% redundant backup is easy to install, commission and maintain. Suitable for new installations as well as retrofits, Advanced redundant protection gives you ultimate peace of mind that your fire system will continue to work, even when faults occur.

# Redundant Control Components

## Panels

100% redundant backup is available on the MxPro5, Axis EN and Axis AX panels.

All Advanced panels are available in our standard RAL colours.



MxPro<sup>5</sup>

Axis<sup>EN</sup>

Axis<sup>AX</sup>

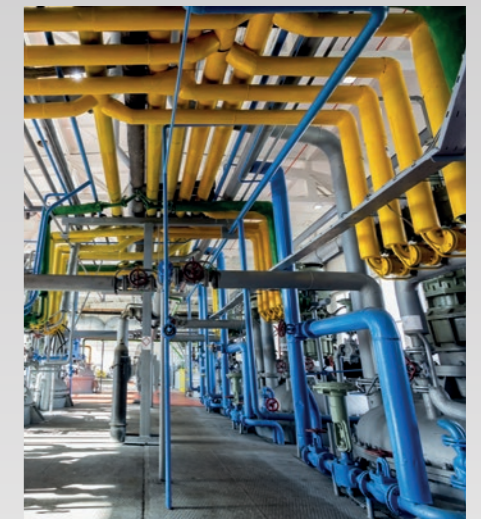
# Global Applications

Ideal for installations where continuous fire protection is critical, Advanced's redundant control provides total peace of mind by safeguarding people and property and assuring business continuity.

Advanced redundant systems are installed in a range of critical sites around the world including Dubai's largest power and desalination plant, Abu Dhabi airport's aviation fuel depot and telecommunications data centres in South Africa.



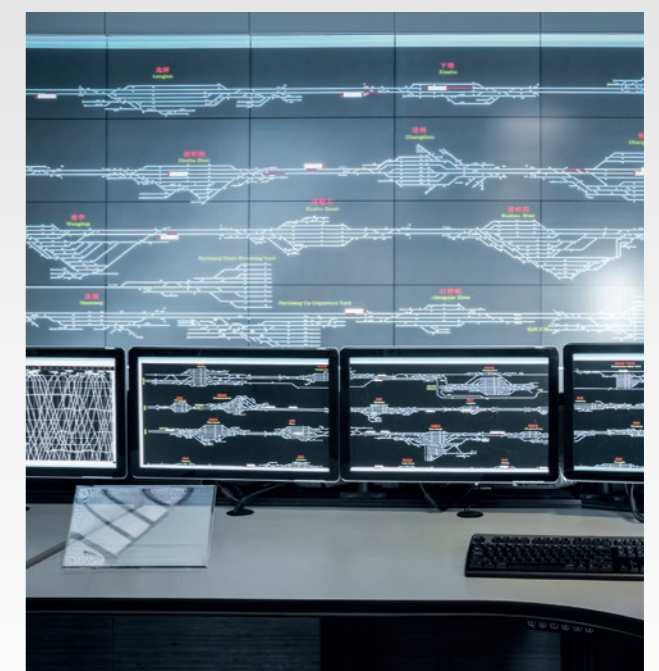
Tall Buildings



Refineries/Petrochemical Plants



Nuclear Sites



Power and Utilities Sites

# 100% Redundancy

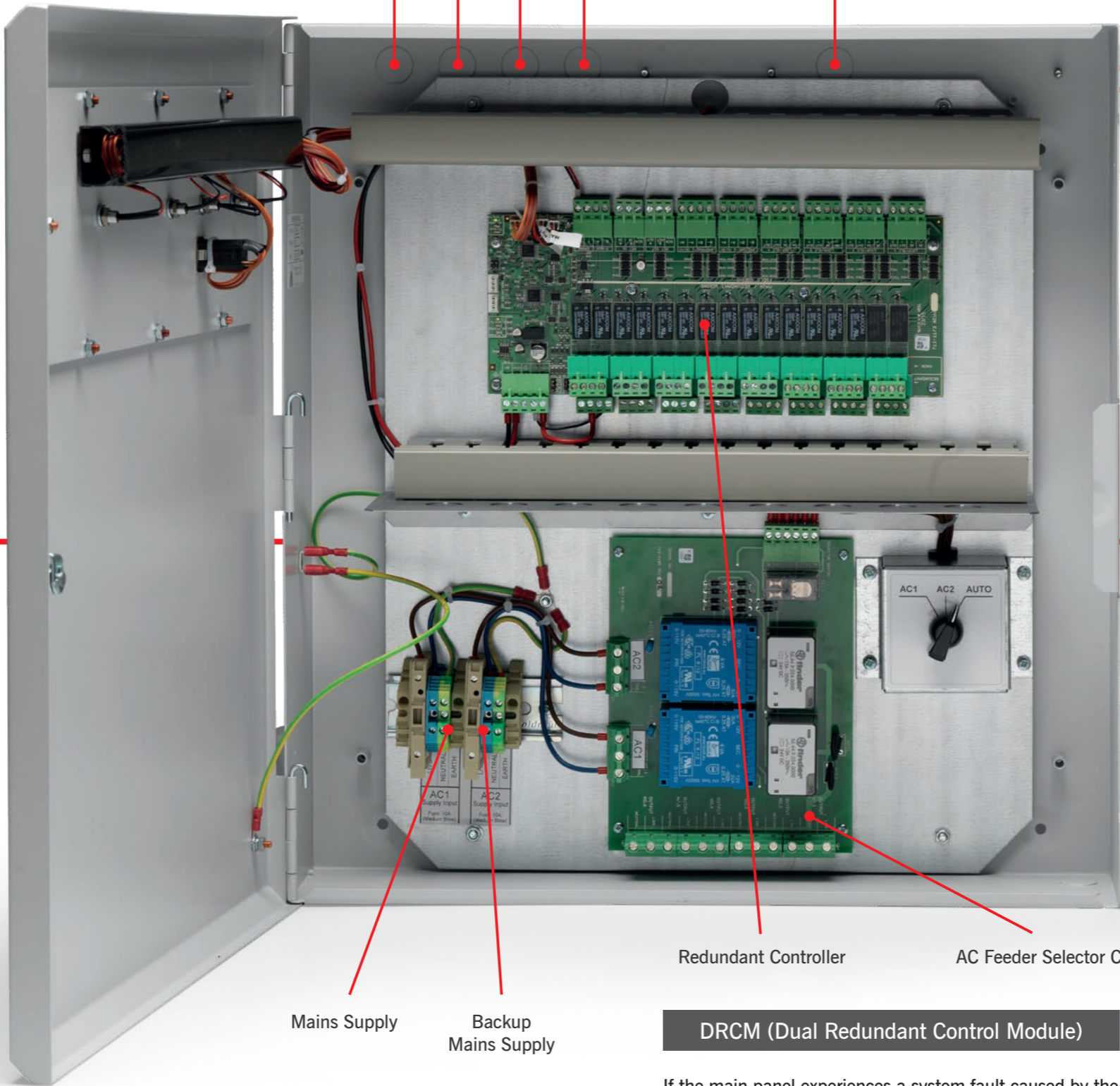
## Total Peace of Mind

The Advanced redundant fire alarm panel operates in 'hot standby' mode and is ready to automatically take over full control whenever the main panel detects a system trouble/fault.

This means no system downtime and total peace of mind that your fire system will continue to work even when faults occur.



Main Panel in Fault

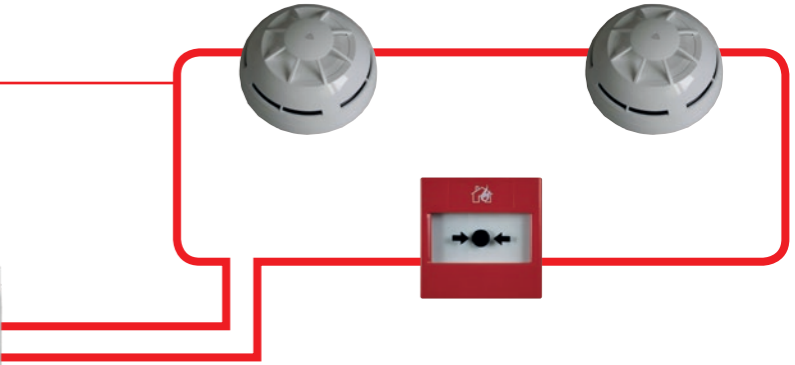


Mains Supply Backup Mains Supply

Redundant Controller AC Feeder Selector Card

DRCM (Dual Redundant Control Module)

Multiple knockouts for easy loop installation



## Advanced Fire System Redundancy Means:

- Full panel redundancy – not just a redundant microprocessor
- Simple configuration
- Easy installation and wiring
- Many redundancy options to suit your needs
- No downtime in building safety.



Redundant Panel Takes Control

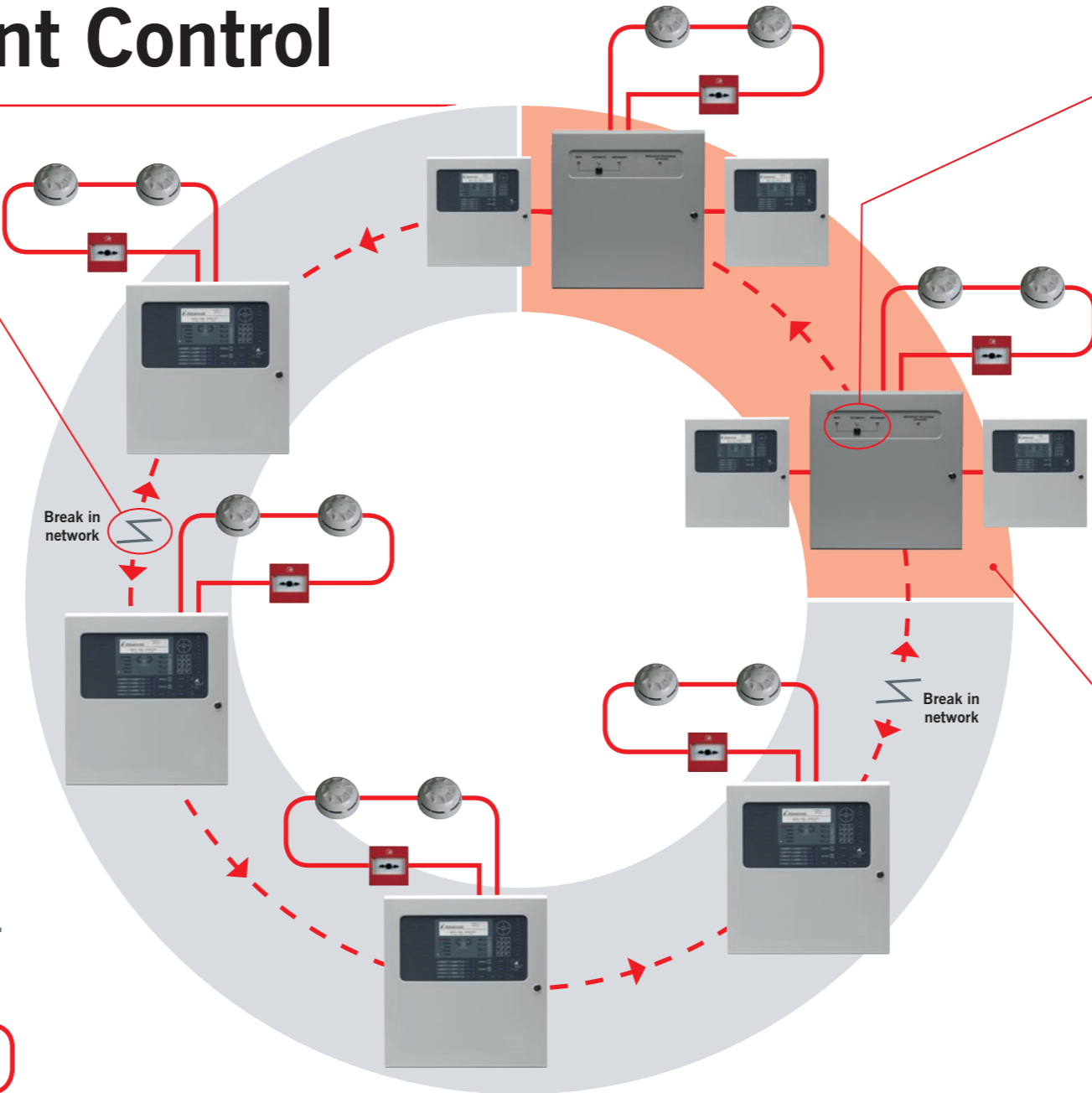
If the main panel experiences a system fault caused by the: network card/motherboard/display/PSU/loop card, the DRCM automatically switches all field wiring to the redundant panel. If the mains incoming supply fails, an internal AC feeder selector card switches to a backup mains supply.

# Customised Redundant Control

## Fault-Tolerant Networking

Advanced's fault-tolerant networks are wired using two diverse routes. This configuration provides the first line of defense against system failure due to faults.

If a break occurs in the network, data transfer continues in the opposite direction so there is no loss in fire protection.

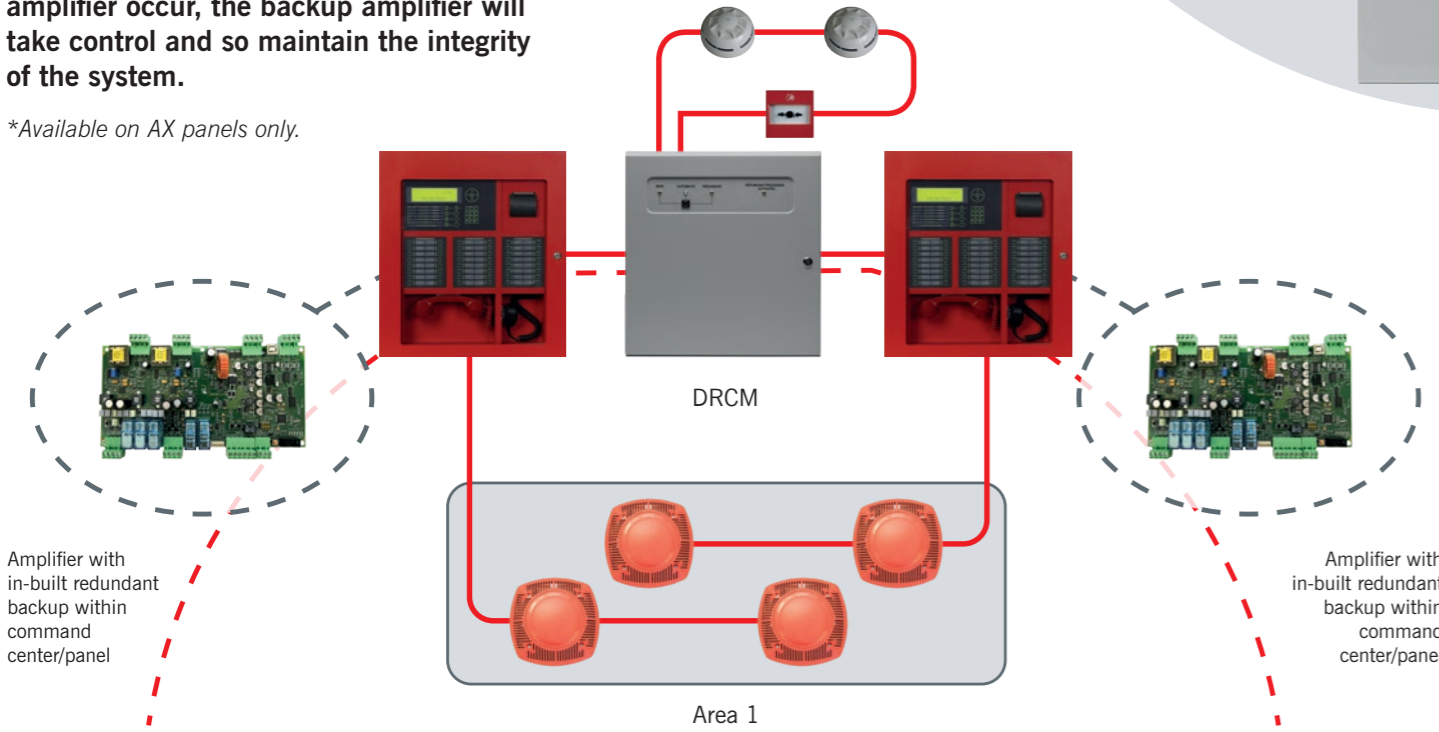


## Redundant Voice Alarm\*

Where amplifiers are installed within the fire system, they can be configured as 40W amplifiers with backup.

Should an internal trouble/fault on the amplifier occur, the backup amplifier will take control and so maintain the integrity of the system.

\*Available on AX panels only.

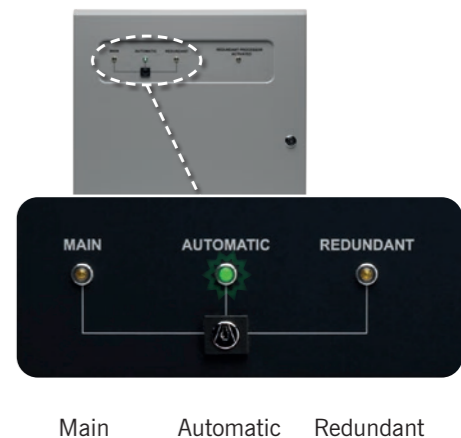


## Control Options

You choose the level of control you want to have over your redundant system.

We design fully automatic redundancy as well as providing options for manual control.

- Main, Automatic or Redundant control options
- LED or customised indication
- Key switch control for maintenance purposes.



Critical area of the system requiring redundant control

Depending on the nature of your site, you may not require full redundant control across your entire system.

We give you the option to install and configure redundancy exactly where you need it, saving you time as well as material and installation costs.

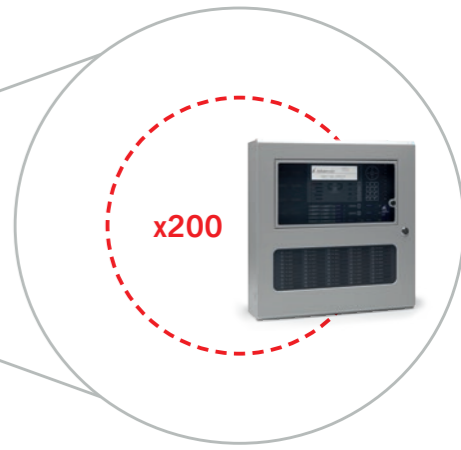
## Simplicity

Our AdSpecials custom build department creates redundant panels to meet your needs, following a clear and simple process.

Configuration is easy, with only one file required for the whole network.



Data from up to 200 panels stored in one configuration file





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Advanced



Advanced Fire



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