

## ORCA FW

Addressable 1 & 2 loops fire control panel

FW0850-10 & FW0860-10



### PRODUCT OVERVIEW

The Orca FW is an analogue addressable fire control panel that supports one or two detection loops, accommodating up to 254 Firewatch UL devices. Utilizing microprocessor-based technology, it offers high reliability and flexibility for small to medium-sized installations. The panel features a user-friendly interface, advanced fire sensing options, networking capabilities, and extensive cause-and-effect programming. It can be expanded and is compatible with various accessories, making it a future-proof choice for fire safety systems.

### KEY FEATURES

- **UL864 and FM Listed:** The panel meets high safety and performance standards, ensuring reliability in fire safety applications.
- **Single SLC Circuit Expandable to Two:** Comes with one Signaling Line Circuit by default, with the option to expand to two, increasing the device capacity.
- **5.25A Power Supply:** Equipped with a robust 5.25-amp power supply to ensure reliable operation and support of connected devices.
- **Two Programmable NAC Circuits:** Includes two Notification Appliance Circuits (NAC) with internal synchronization support for alarm devices.

### Approvals



### Warranty

A 3-year warranty covering any manufacturing defects.





## KEY FEATURES

- **Three Programmable Relays:** The panel includes three programmable relays that can be customized to meet specific operational needs.
- **Event History Log:** Stores up to 1000 historical events, allowing for easy review and auditing of system activities.
- **Expandable Network:** Can be networked with additional 63 ORCA control panels, enabling integration across larger installations.
- **Network-Wide Cause and Effect Programming:** Allows for 500 total cause-and-effect rules across the network, fully customizable by point or zone for greater control.
- **PC Programmable:** The system can be programmed through a PC connection, providing user-friendly configuration options.
- **Compatible with Orca Matrix Graphics Annunciator:** Supports the Orca Matrix graphics annunciator for enhanced visual display and system control.
- **Compatible with OrcaView Annunciator:** Seamless compatibility with the OrcaView annunciator for enhanced system monitoring and control.

## MANUFACTURER'S SPECIFICATION

Material	1.5mm mild sheet steel
Finish	Epoxy powder-coated
Color Options	Standard red (RAL 3002)
Weight (without batteries)	9kg
Operating Temperature	-5°C to + 51°C
Mains voltage supply	230V AC or 110V AC
Mains supply fuse	1.6A (FL.6AL250V)
Power supply DC rating	24V 5.25 Amps
Aux 24V supply	Fused at 500 milliamps
Battery (24-hour standby)	9Ah 12V (2 per panel) (non-networked)
Fault contact rating	30V DC 1 Amp
Fire contact rating	30V DC 1 Amp
Alarm contact rating	30V DC 1 Amp
NAC output rating	3.1A across both channels, 2.3A across anyone.
Detection loop	250 milliamp output
Printer port	Serial RS232
Serial expansion port	Serial RS485
PC port	Serial RS232
Network Connection	Optional network cards allow the use of eNet networking
NAC Synchronization	Internal support
NAC Protocols	System sensor, Wheelock, Gentex, Amseco