

PLUS FW-CP

Conventional Control Panel

FW1842-11 & FW1844-11 &
FW1848-11



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.
- **Initiating Circuits:** Available with two, four, or eight initiating circuits for flexible configuration to meet specific installation needs.
- **Individual Configuration:** Each initiating circuit can be configured as either a Water Flow or Supervisory circuit, allowing tailored monitoring options.
- **Fire, Trouble, and Supervisory Relays:** Includes dedicated relays for fire, trouble, and supervisory conditions to ensure proper notifications.

Approvals



Warranty

A 3-year warranty covering any manufacturing defects.





KEY FEATURES

- **Notification Appliance Circuits:** Equipped with 2 NACs, each rated at 2A, supporting alarm signaling devices effectively, along with selectable synchronization protocols for compatibility with various alarm devices.
- **Power Supply:** Equipped with a robust 6.5A power supply to ensure reliable operation of connected devices.
- **Alarm Verification:** Alarm verification options can be set individually by zone to reduce false alarms and improve reliability.
- **Auxiliary Power Output:** Features a resettable auxiliary power output rated at 0.3A for powering additional devices, which can be configured to turn off during fire conditions to enhance safety in emergencies.
- **Single-Person Walk Test Function:** Facilitates a single-person walk test, simplifying the testing process for maintenance.
- **Advanced Configuration Options:** Provides advanced programming features for customized fire alarm management.
- **72-Hour Standby:** Designed to maintain functionality with a 72-hour standby period using 7Ah batteries.

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