# Fire Detection & Alarm System
## Conventional / FIRESTOP

**YOUR ONBOARD
SAFE CHOICE**

SB-042-REV-A

The FireStop Fire Control Panel (FCP) is a low voltage fire detection and control system designed for use in the marine and other transport markets.

The FCP integrates fire extinguisher alarm and fire detection in a modular design that can be expanded to meet the requirements of a wide range of applications.

131-500 FireStop Fire Control Panel



### 12/24 Vdc
Designed specifically as a marine integrated fire system to work with the vessel's DC batteries. Standby re-chargeable 24V battery back up available as an option.

### Modular expansion
Designed as a modular system, that can be expanded from 2 up to 16 zones.

### Early warning fire detection
Marine approved Heat and Smoke Detectors and Manual Call Points.

### Integration with fire suppression system
Fully integrates with Sea-Fire's Pre-engineered and Engineered fire suppression system to provide low pressure and discharge alarms (approved for non-USCG applications only).

### Machinery shutdown management
Integrated relays connect to shutdown Engines, Generators, Ventilation and associated machinery in the event of fire extinguisher discharge (approved for non-USCG applications only).

### Intuitive user interface
Multiple Display Panels which can be located in key locations throughout the vessel. Stylish interface compliments modern yacht design.

### Product features
- Conventional fire detection system that provides quick and clear identification of fire alarms and events
- Weather resistant monitoring system with fire, heat, and smoke monitoring capability
- Modular design that is easy to scale for any application
- Ease of installation with CAT5 connection between primary components
- The ultimate economic solution for vessel fire detection

### Electrical requirements
- Main Power Supply: 24 Voe (±4)
- Backup Power Supply: 24 Voe (±4)
- Power Supply Protection: 5 Amp
- Power Consumption: 0.5 Amp
- Connection:
  - Cable Entries: 4mm x 20mm cable glands
  - Max Wire Size: 12 AWG

### Mechanical specifications
- Dimensions (WxHxD): 255mm x 180mm x 61mm
- Dimensions (WxHxD): 10in x 7in x 2.4in
- Weight: 1 kg
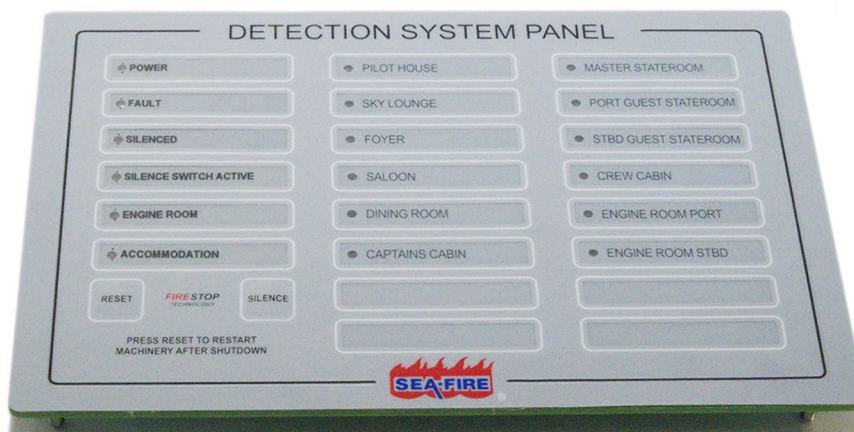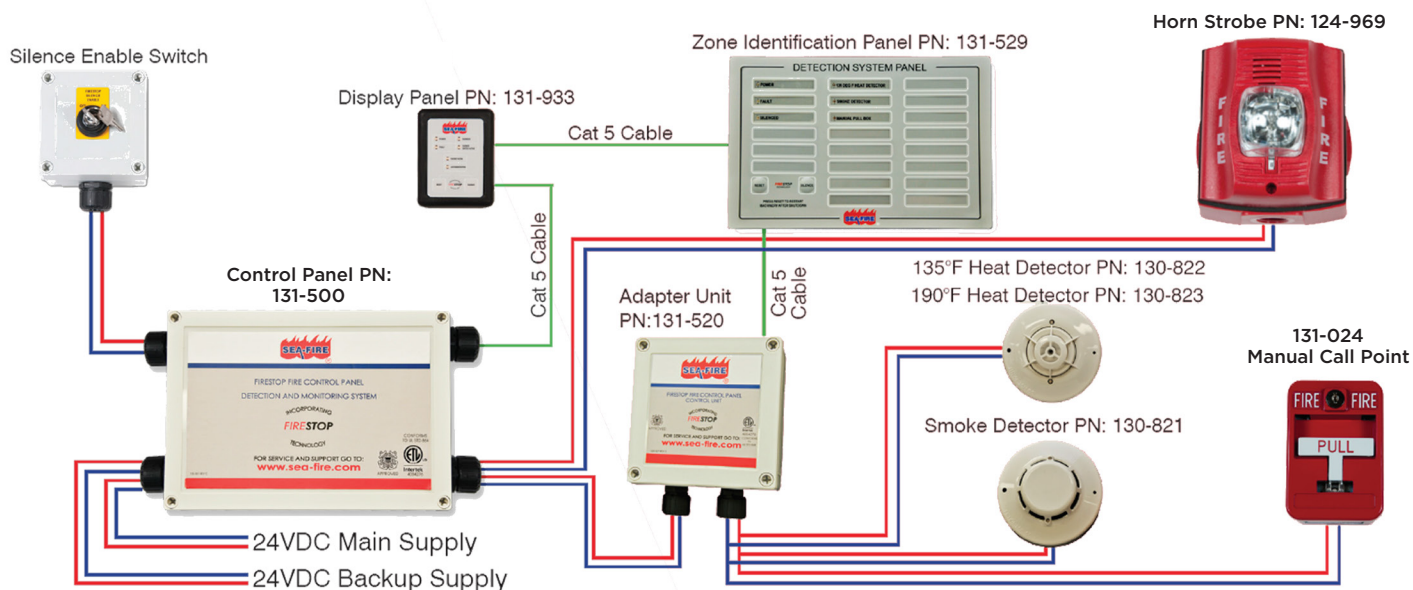- Enclosure Materials: Polycarbonate Plastic

### System capacity
- Control Panel alone offers 2 zone coverage (Accommodation and Engine Room)
- Zone Capacity: 2 detectors and multiple manual call points per zone
- Expandable to 4 zones per Adapter Unit and up to 16 zones per ZIP panel
- Compatible with numerous marine detectors and accessories

# Fire Detection & Alarm System
## Conventional / FIRESTOP

## Connection principle



Silence Enable Switch

Display Panel PN: 131-933

Zone Identification Panel PN: 131-529

Horn Strobe PN: 124-969

Cat 5 Cable

DETECTION SYSTEM PANEL

Control Panel PN: 131-500

Cat 5 Cable

Adapter Unit PN:131-520

Cat 5 Cable

135°F Heat Detector PN: 130-822
190°F Heat Detector PN: 130-823

131-024 Manual Call Point

FIRE · FIRE
PULL

Smoke Detector PN: 130-821

24VDC Main Supply
24VDC Backup Supply



DETECTION SYSTEM PANEL

| | | |
|---|---|---|
| POWER | PILOT HOUSE | MASTER STATEROOM |
| FAULT | SKY LOUNGE | PORT GUEST STATEROOM |
| SILENCED | FOYER | STBD GUEST STATEROOM |
| SILENCE SWITCH ACTIVE | SALOON | CREW CABIN |
| ENGINE ROOM | DINING ROOM | ENGINE ROOM PORT |
| ACCOMMODATION | CAPTAINS CABIN | ENGINE ROOM STBD |

RESET    FIRESTOP TECHNOLOGY    SILENCE

PRESS RESET TO RESTART MACHINERY AFTER SHUTDOWN

## Inputs/Outputs

- CAT5 port for receiving and sending signals to the Display Panel and Zone Identification Panel
- Display Panel and ZIP Push Button (Reset and Silencing of the Alarm)
- NAC Alarm Output: 2 Amp max
- Adapter Unit Reset Relay: Qty. 1 rated @ 16 Amps

## Additional specifications

- Protection Level: Ingress Protection 66 (IP66)
- Operating Requirements: -13°F to 158°F (-25°C to 70°C)
- Mounting: Surface Mount

### Approvals

RINA    ETL LISTED Intertek