

# VENTCROFT **FIRETRAX**<sup>®</sup>

## 'COMPACT'



Ideal for small and medium installations, fully EN54:-2-4:1997 and BS5839:2002 compatible and housed in a 'Compact', attractive fire retardant plastic housing.

The Compact has flexible user friendly control, providing the option of either Keyswitch or Keypad control from the same unit. The panel's PCB is secured in a cassette to provide protection and safe handling during installation and removal in the future.

This 24V conventional technology range is supplied complete with Active end of Line monitoring for all zones, and is suitable for use with most popular brands 24V fire alarm devices

The Compact range is competitively priced, it utilises a single 12V 7Ahr SLA battery and employs bespoke circuitry to generate the 24V backup supply for detector zones and fire sounder circuits.



### Features

1, 2 and 4 Zone Models Available  
Complies to EN54: pt2&4: 1997  
One Man Walk Test

2 Sounder Outputs  
End of Line Monitoring - All Zones  
Fully Enclosed PCB Cassette

Flush Fit Option  
Class Change



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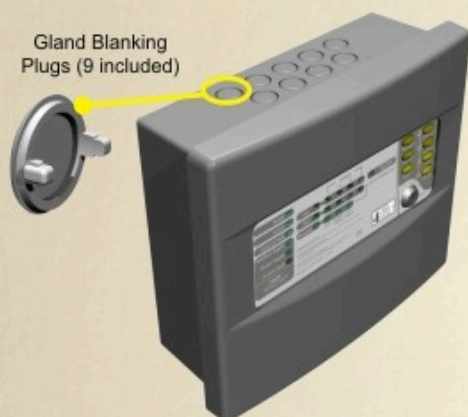


The 'Compact' panel's PCB is housed in a polycarbonate cassette to make installation safe and easy. The cassette can be removed and adjusted to provide plenty of space and make zone termination a dream.

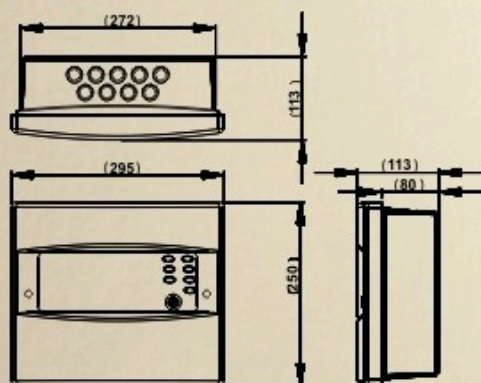
The robust plastic back box has 9 installer friendly cable ready entry points with secure blanking plugs provided for unused entry points.

### Features

- 24V Conventional Technology
- Compact Housing
  - Ideal for Light Commercial Installation
- Easy to Use & Install
- Designed to Comply with EN54-2-4:1997
- Suitable for Installation to BS5839:2002
- Keypad or Keyswitch Operation
- Keypad Programming
- One Man Walk Test
- Built in Active EOL Monitoring on all Zones
- Zone Isolation Option
- Low Cost Single Battery Backup



### Dimensions



### Specification

|   |   |
|---|---|
| <b>Power Supply</b>   |   |
| Mains Voltage   | 230V 50/60Hz Nominal<br>195.5 50/60Hz (min)<br>265V 50/60Hz (max) |
| Mains Rated Current   | 300mA 260mA (Max)   |
| Maximum Watts   | 60watts   |
| Output Voltage  | 28V/24V   |
| Output current  | 1.5A (max)  |
| <b>Power Supply and Batteries</b>                           |   |
| Monitored for disconnection and failure                     | Yes - Temperature compensated battery charger                     |
| Deep discharge protection for batteries                     | Yes (approx. 10.5V)   |
| No. of batteries required                                   | 1 x 12V VRLA  |
| Battery Compartment size (mm)                               | 70 x 100 x 300<br>(equivalent to 2 x 7Ahr batteries)              |
| <b>Detector Circuits</b>                                    |   |
| Number Of Circuits  | 1, 2 & 4 (Model Dependant)  |
| Maximum Cable Run   | 1000 metres   |
| Line Monitored  | Open, Short and Head Removal                                      |
| Maximum cable capacitance                                   | 2µF   |
| Zone Shutdown during short                                  | Yes   |
| Maximum Cable Impedance (Each conductor)                    | 20Ω   |
| Call Point resistor values                                  | 470Ω or 680Ω  |
| Maximum Number of Detectors (Based on 100ΩA per detector)   | 30  |
| Maximum combined number of Manual call points and detectors | 32  |
| <b>Sounder Circuits</b>                                     |   |
| Number of Circuits  | 2   |
| Each sounder Line Monitored                                 | Open and Short circuit (in both quiescent and alarm condition)    |
| End Of line Resistor Value                                  | 6K8Ω 5%   |
| Alarm Voltage   | 28/24V, 21V minimum (final battery cut off voltage)               |
| Circuit Protection  | 500mA Polyfuses   |
| Maximum Sounder output Current                              | 2 x 500mA = 1 Amp   |
| Maximum No. of Bells  | 40 @ 25mA   |
| Maximum No. of Electronic sirens (Polarised)                | 50 @ 20mA > 250 @ 3mA   |
| <b>Auxiliary Outputs</b>                                    |   |
| Fire/Fault Relay  | Volt free contacts (N/C, C, N/O)<br>1A @ 24V                      |
| Fire Output (Monitored)                                     | 100mA @ 28V Polyfused   |
| 24V Aux supply  | 100mA @ 28V Polyfused   |
| <b>Auxiliary Inputs</b>                                     |   |
| Class Change  | 0V trigger (Non-latching)   |



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