



# F16 Zone Control Unit



Pertronic Industries **Pertronic F16** fire alarm control unit is designed to respond to the operation of heat or smoke detectors or manual callpoints, and to summon a rapid and effective fire fighting response.

The **F16** fully complies with NZS 4512:1997, all requirements of the New Zealand Building Code and is approved by NZ Fire Service for connection to the National Alarm Receiving Network.

The **F16** is a 'state of the art' microprocessor based system with advanced alarm signalling and automatic circuit testing features.

## **Detector Circuits:**

8 to 32 zones, terminated with 10K resistors. Accepts heat detectors, smoke detectors and manual call points (mixed). Smoke detectors have 6 second alarm verification. Heat detectors and Manual Callpoints give instantaneous (less than 0.5 secs) response. Zone circuit self test on start-up and every 24 hours.

## **Specification:**

- Cabinet: 1.2mm mild steel powder coated "Off-white", 410mm High x 450mm Wide x 130mm Deep or, 600mm High x 450mm Wide x 130mm Deep.
- Power Supply: 220 – 230V ac, 50Hz 15W.
- DC current consumption  
Normal (mains off): 110mA
- Battery Type: Sealed Lead Acid, 12V, 6.5Ah or 12V, 15Ah.
- Charger: Integral float charger (1 amp) set to 13.7V
- Power Supply Timer: Automatic 24 hour load test plus automatic 'no battery present' detection circuitry.
- All zones terminated with 10K resistors. Alarm triggered by smoke detector operation with 6 second alarm verification or instantaneous operation for heat detector or manual callpoint.
- Up to 40 System Sensor photo electric smoke detectors or 40 System Sensor ionisation smoke detectors may be connected to each zone circuit in addition to an unlimited number of Pertronic heat detectors and manual callpoints.
- All circuits individually configurable for brigade signalling, alarm sounder operation, or indicator only operation (sprinkler flow switch).
- Bell Relay: 12 Vdc, 5 A. Bell circuit monitored with a 10K EOL terminating resistor.
- Bell circuits individually selectable for monitored or non monitored operation.
- Integral Auxiliary Fire Relay.
- All circuits plus the common Fire, Defect, Normal and Sprinkler LEDs have relay drive capability for additional auxiliary relays.
- Internal Fire and Defect LEDs displayed for all circuits.
- Monitored sprinkler pressure switch input with sprinkler operated lamp.
- Standard RS 485 serial port for remote mimic drive (up to 3 LED Mimics) and output of system status information.
- Front or Rear Service options.
- Non Brigade Calling Smoke Detector option.



## **Ordering Information**

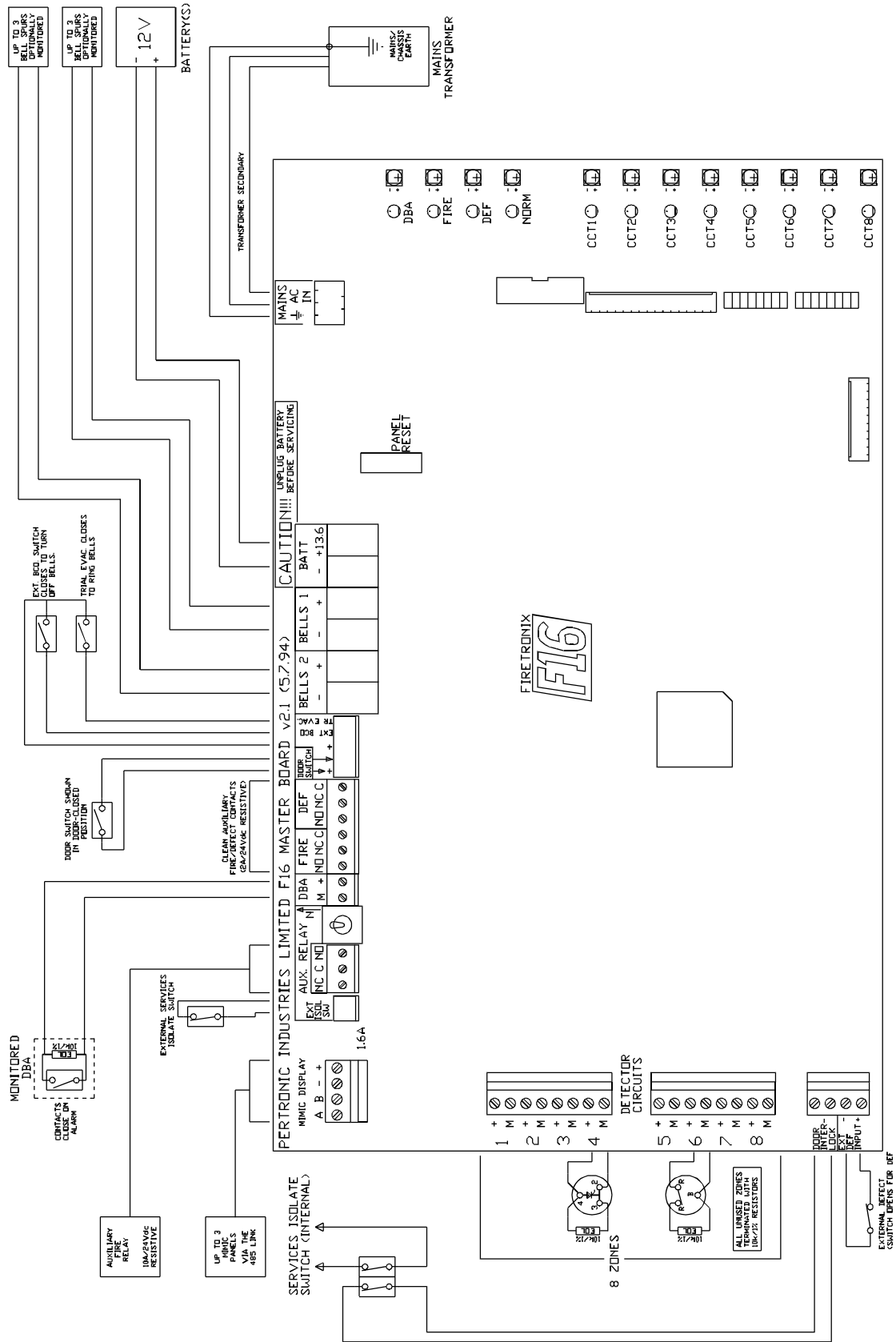
Part Number	Description
F16L	F16 Large Cabinet Rear Service
F16LF	F16 Large Cabinet Front Service
F16M	F16 Mini Cabinet Rear Service
F16MF	F16 Mini Cabinet Front Service

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# . System Wiring



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