

8 to 32 Zone Conventional System

The Pertronic Industries Pertronic F16e is a conventional automatic fire alarm system designed for small to medium sized building applications having up to 32 zones of smoke and heat detectors, manual callpoints and approved dry contacts. The F16e is expandable from 8 to 32 zones in 8 zone increments.

The F16e complies with Australian Standard 4428.1 1998 including amendment 1 2005.

• Melbourne

Unit B2
2A Westall Rd
Springvale
VIC 3171
Tel (03) 9562 7577
Fax (03) 9562 8044
sales.vic@pertronic.com.au

• Sydney

Unit 19
287 Victoria Rd
Rydalmere
NSW 2116
Tel (02) 9638 7655
Fax (02) 9638 7688
sales.nsw@pertronic.com.au

• Brisbane




















Unit 3
23 Anthony St
West End
QLD 4101
Tel (07) 3255 2222
Fax (07) 3255 1122
sales.qld@pertronic.com.au

• Adelaide

65 Manton St
Hindmarsh
SA 5007
Tel (08) 8340 9533
Fax (08) 8340 9544
sales.sa@pertronic.com.au

www.pertronic.com.au

















Panel Features:

-  Flexible microprocessor based technology
-  Automatic 24hr System Test function including battery load check
-  Earth leakage detection
-  All circuits individually configurable for brigade signalling, alarm sounder operation, non-latching, or indication only operation
-  Common Fire and Fault relay outputs
-  ACF monitored output
-  Configurable outputs by zone for Fire 1, Fire 2 and Valve Monitor
-  Alarm verification function selectable by zone
-  Alarm, Fault and Isolate indication by zone
-  Monitoring station interface
-  Standard RS485 serial port for up to 3 remote LED mimics
-  Front panel ACF Isolate, External Bell Isolate, Warning System Isolate, and Alarm Test switches
-  Individual zone isolation capability
-  Individual zone test capability
-  Up to 40 System Sensor smoke or heat detectors capacity per zone
-  Integrated manual callpoint
-  External fault input
-  Door interlock input
-  ActivFire Listing : afp-2130

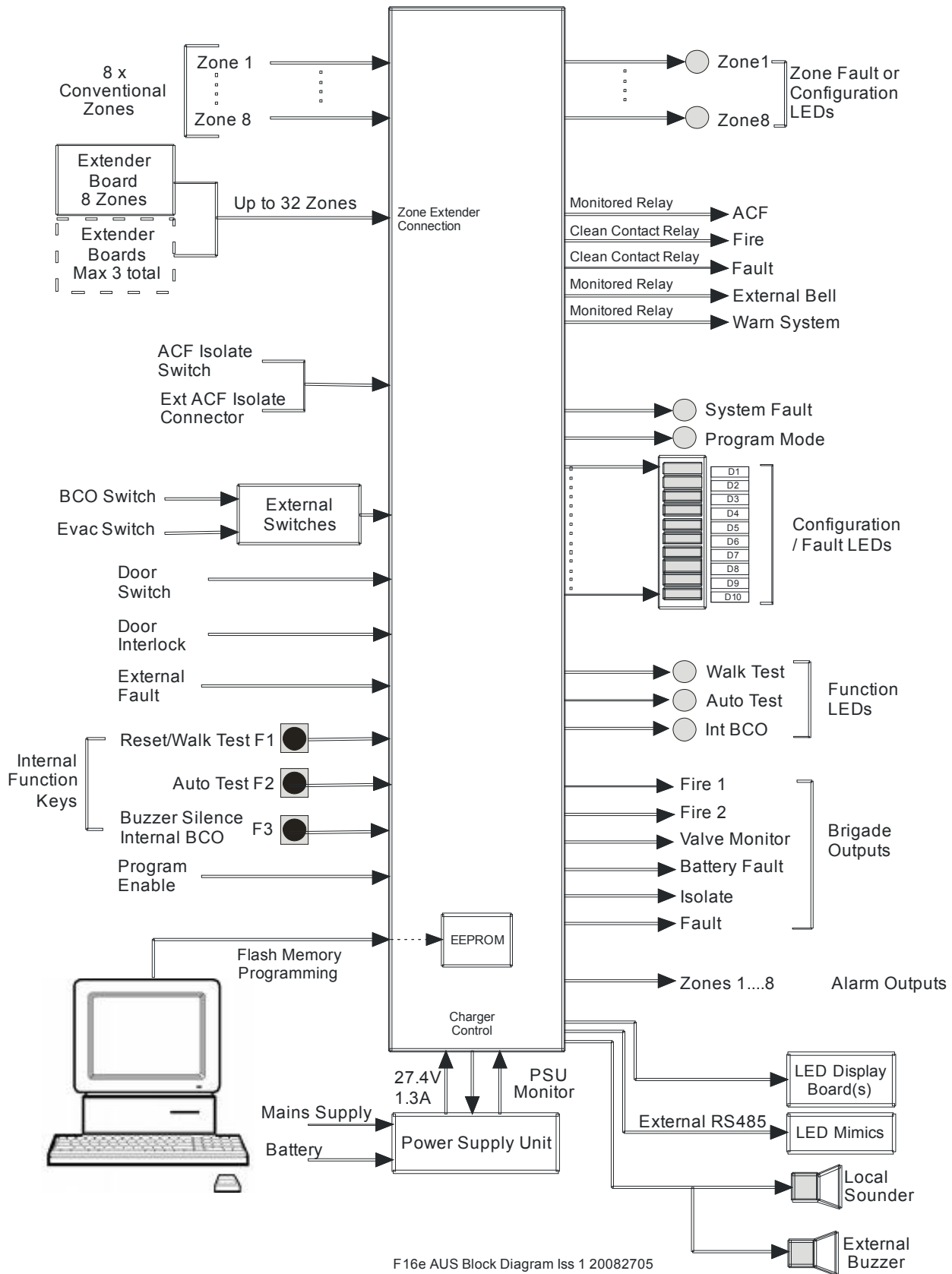


F16e Control Panel

Specifications:

-  Detector capacity: 40 per zone
-  Zone capacity: 32
-  Zone cable resistance: Max 100Ω total per zone (50Ω per leg)
-  Standard relays: Fire, Fault, and Battery Fault changeover contacts,
-  Standard monitored outputs: Warning System and External Bell, each rated at 24Vdc 5A
-  ACF monitored output: Rated at 24Vdc 1.25A
-  End of Line terminations: 10kΩ for all monitored circuits
-  Dedicated Isolate controls: Warning System, External Bell, ACF, and Door Holder
-  Power Supply: 200-250VAC. 50/60Hz, 30W
-  Battery charger: 27.4V, 1.0A temperature compensated
-  Environmental: -5°C to 45°C
-  Dimensions (std. 19" cabinet): 0-95% relative humidity, non-condensing
-  Dimensions (28U 19" rack): 550(w) x 800(h) x 185(d)
-  Dimensions (40U 19" rack): 575(w) x 1330(h) x 380(d)
-  Cabinet Colour: 575(w) x 1865(h) x 380(d)
-  RAL9001 (BS4800:10B15)

F16e Block Diagram



PERTRONIC INDUSTRIES PTY LTD

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