

## Analogue Addressable System

The Pertronic Industries Pertronic F120A is an analogue addressable automatic fire alarm system designed for small to medium sized building applications having up to 3180 addressable smoke and heat detectors (159 per loop) plus up to 1980 monitor or control devices (99 per loop). The F120A is expandable from 2 to 20 loops. The F120A complies with Australian Standard 4428.1 1998 including amendment 1 2005.

### Panel Features:

- Exact identification of fire location
- User definable text descriptor per point and zone
- Four line by 40 characters LCD display with backlighting
- Colour coded aesthetically styled user interface
- Automatic 24hr system test of charger, batteries and detectors
- Two independent analogue loops as standard, expandable to 20
- User isolation of zones and individual detectors
- 2000 event history log
- Extremely powerful programming functions
- Configuration data may be entered through the front panel or via a PC.
- Networkable for larger systems ( $\geq v3.12$ )
- ActivFire Listing : afp-1663



**F120A Control Panel**

### Detection Circuit Features:

- 2 to 20 loops in two loop increments
- Automatic pre-alarm warning
- Multiple configurable action levels per detector
- Individual detector dual sensitivity for day / night operation
- Alarm Verification option for reduced false alarms
- 255 individual zones available
- Grouping capability for control events
- Isolation by individual point or zone
- Autolearn function for fast installation
- Loop input devices include detectors, call points, loop responders and modules
- Input and Output modules individually configurable for various functions such as Sprinkler, Door holder, Waterflow, ACF etc.
- Comprehensive analogue addressable device range including specialist applications

### Specifications:

- Loop capacity: 20
- Detector capacity: 159 per loop
- Input / Output module capacity: 99 per loop
- Zone capacity: 256
- Group capacity: 200
- AS1668 Fan capacity: 300
- Power Supply Unit capacity: 4A or 12A
- Standard relays: Fire, Fault, Battery, and General Purpose (x2), each rated at 24Vdc 1.25A
- Door Holder relay: Rated at 24Vdc 5A
- Standard monitored outputs: Warning System and External Bell, each rated at 24Vdc 5A
- ACF monitored output: Rated at 24Vdc 1.25A
- Dedicated Isolate controls: Warning System, External Bell, ACF, and Door Holder
- Dimensions (16U 19" cabinet): 550(w) x 800(h) x 185(d)
- Dimensions (28U 19" rack): 575(w) x 1330(h) x 380(d)
- Dimensions (40U 19" rack): 575(w) x 1865(h) x 380(d)
- Cabinet Colour: RAL9001 (BS4800:10B15)

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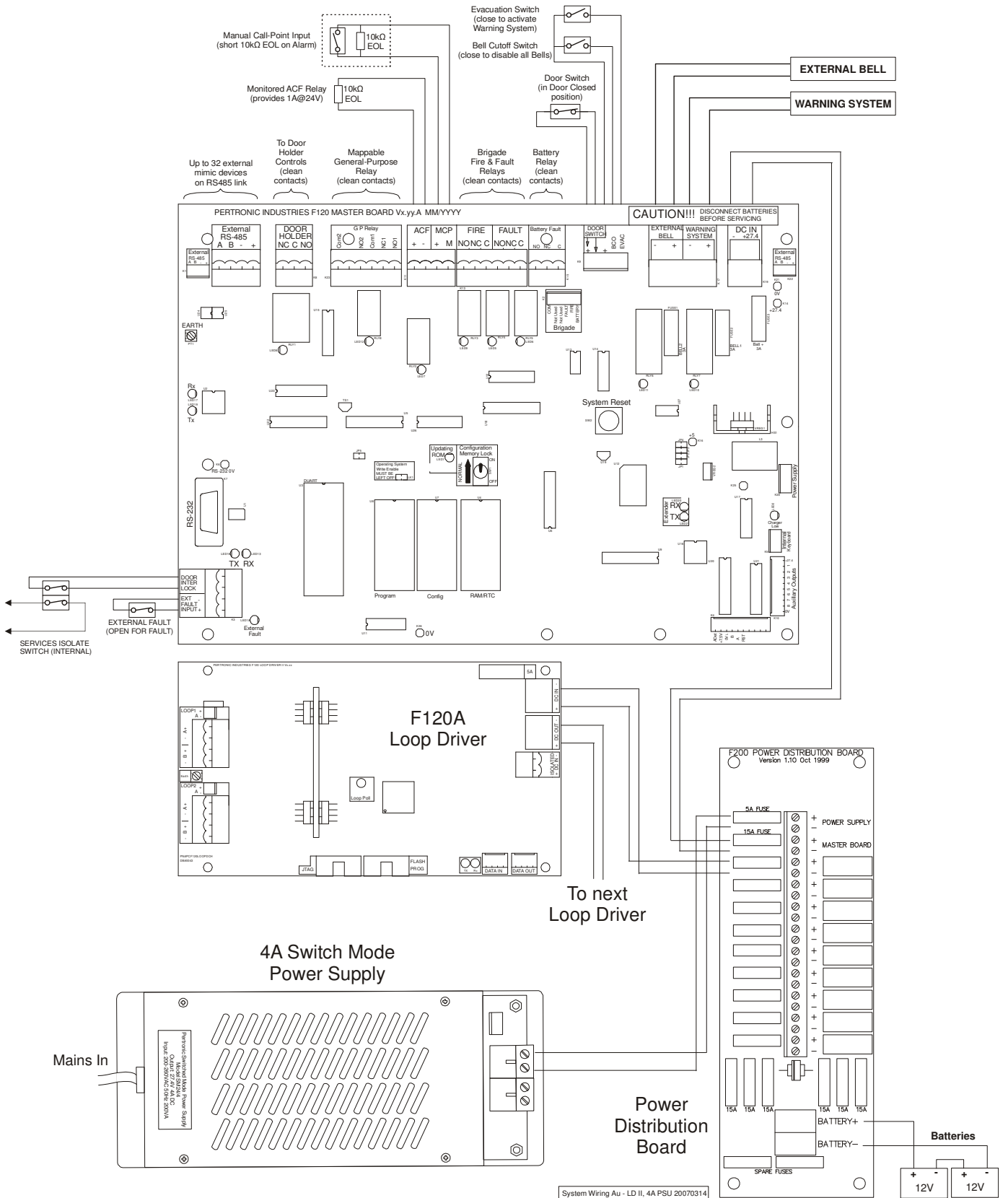
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# F120A Internal Layout



## PERTRONIC INDUSTRIES PTY LTD

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