

## Head Office

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ISO 9001: 2008

International  
Standards  
Certifications  
QAC/R64/0012

## Product Overview:

Pertronic Industries offer a full range of products that provide cost effective, yet powerful and flexible solutions for the Extinguishing Agent industry.

The Extinguishing Agent Release panel has been designed specifically to meet the requirements of AS ISO14520.1–2009. The technology is built upon the proven F100A Analogue Addressable panel and the Pertronic Gas Flood board which has been significantly enhanced to meet customer needs.

The Pertronic Extinguishing Agent Release system is available with either the **F100A** Fire Alarm panel and **F120A** Fire Alarm panel for larger Analogue Addressable installations or the **F16e** panel for Conventional systems. Multiple Extinguishing Agent Release Controllers may be fitted into each panel.

The Pertronic Agent Control / Local Control Stations and in-built display provide intuitive indication and control, with a highly visible 'Time to Discharge' display.

Extinguishing Agent Release Signage with fully configurable messages, visual options and an optional 'Time to Discharge' display, complement the product range providing unique, yet comprehensive solutions for all Extinguishing Agent requirements.

## Features:

- ▶ Smaller sleeker panel design
- ▶ Ease of use, installation, and maintenance
- ▶ Built on robust and proven technology
- ▶ Comprehensive system indication
- ▶ Unique 'Time to Discharge' display
- ▶ Full range of options and configuration
- ▶ Dual Action Manual Release Switch
- ▶ Designed specifically to meet the requirements of AS ISO14520.1–2009

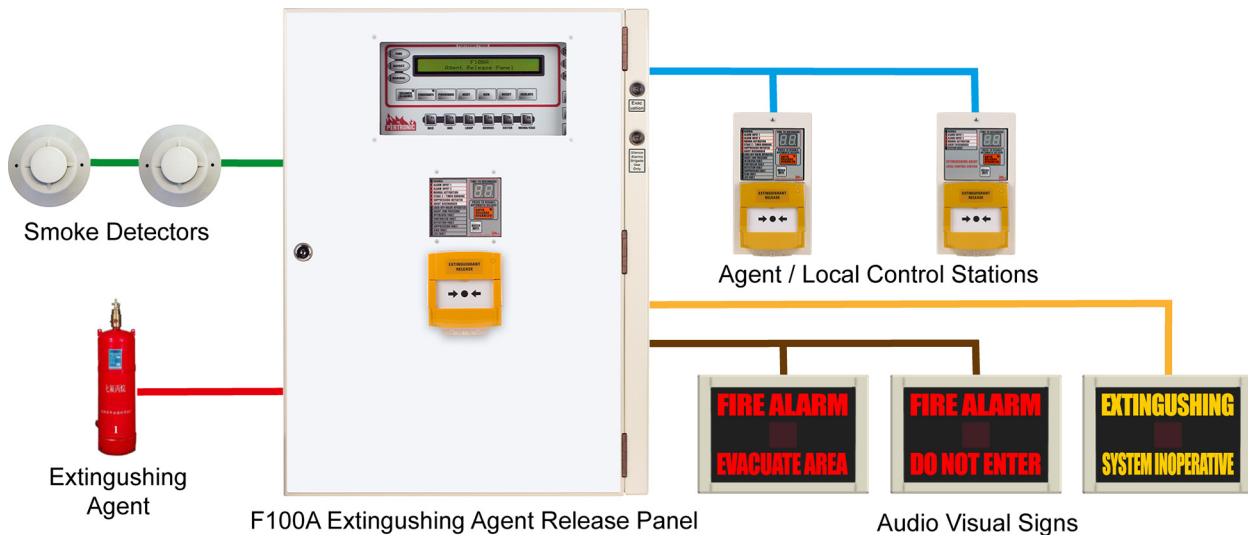


F100A Extinguishing Agent Release Panel

Specifications:				
<b>Electrical:</b>	<b>Power Supply</b> 200-240VAC 50/60Hz 210W	<b>Quiescent Current</b> 180mA at 27.4Vdc	<b>Alarm Current</b> 536mA at 27.4V dc - plus AV Signs - plus detonation out load	
<b>Battery:</b>	<b>Battery Charger</b> Integral Float Charger 27.4Vdc, 1.2A	<b>Battery Type</b> Sealed lead acid (gelcell) 2 x 12Vdc, 7 to 21Ahr – internally mounted		
<b>Environmental:</b>	<b>Operating Temperature Range</b> 0 to +40 °C		<b>Humidity</b> 10 to 95% RH (non-condensing)	
<b>Mechanical:</b> Cabinet: FS	<b>Dimensions</b> (H x W x D mm) 600 x 450 x 130	<b>Weight</b> - excluding battery 15.3 kg	<b>Material</b> 1.2mm mild steel, powder coated	<b>Colour</b> Cabinet RAL 9001

- ▶ Detector capacity: 99 detectors per loop
- ▶ Loops: 2 Loops
- ▶ Agent Release Controller: 1 Agent Release Controller per ARC panel - standard  
Multiple Agent Release Controller boards may be used
- ▶ Local Control Display Stations: Max 9 per Extinguishing Agent Release Module
- ▶ Monitored Detonation output: 24V @ 2A

## Extinguishing Agent Release Panel Diagram:



## Extinguishing Agent Release System Controller

- ▶ Compatible with Pertronic F100, F120 Analogue Addressable Panels and F16e Conventional Panel
- ▶ Gear plate mounted for ease of wiring
- ▶ USB field programmable, facilitating future enhancements
- ▶ Designed in accordance with AS/ISO14520.1-2009

## Agent / Local Control Station

- ▶ Agent Control Station (ACS): comprehensive (15) System Indicator LEDs
- ▶ Local Control Station (LCS): concise (6) System Indicator LEDs
- ▶ 'Auto Release Disabled' LED
- ▶ Flush and Surface mount enclosure options
- ▶ Up to 9 x ACS / LCS's can be connected to a single Extinguishing Agent Release Controller
- ▶ Auto-Release Disabled button
- ▶ Buzzer Mute button
- ▶ Time to Discharge display
- ▶ Dual-Action Manual Release MCP Switch – Lift and Press

## Extinguishing Agent Release Signage

- ▶ Low-profile design
- ▶ Signage is available in both IP55 and IP65 ratings
- ▶ Dual stage configuration options
- ▶ 2-wire, 3-wire or 4-wire operation
- ▶ Optional 'Time to Discharge' display
- ▶ IP55 version preloaded with 47 tones including AS2220 Evacuation and Alert Tones, ISO T3 Tone and voice messages
- ▶ Large range of visual messages available

## Product Codes:

Code	Description
<b>F100AF-ARC</b>	F100A 2 Loop Suppression Panel, FS c/w Agent Control Station and release MCP
<b>F16ELF-ARC</b>	F16e 8cct LPFS 600mm Panel with Agent Release Controller
<b>ACS-FM</b>	Agent Control Station for Agent Release System - Flush Mount
<b>ACS-SM</b>	Agent Control Station for Agent Release System - Surface Mount
<b>LCS-FM</b>	Local Control Station for Agent Release System - Flush Mount
<b>LCS-SM</b>	Local Control Station for Agent Release System - Surface Mount
<b>AVS-B</b>	Audio Visual Sign
<b>AVS-C</b>	Audio Visual Sign with Countdown

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