# PERTRONIC INDUSTRIES LTD

#### **DATASHEET**

**Extinguishing Agent Release Panels** 



#### Overview

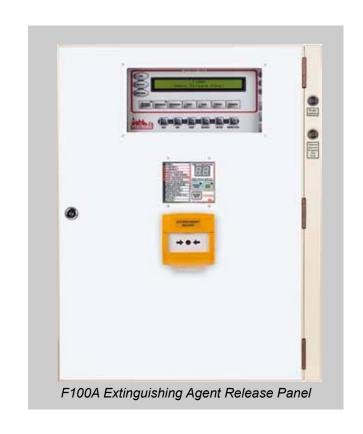
The Pertronic Extinguishing Agent Release System provides automatic control of one or more fire suppression systems.

The system is based on a Pertronic F16e, F100A, or F220 fire panel, together with the Pertronic Extinguishing Agent Release Controller (ARC).

A single Pertronic agent release control panel may be fitted with multiple ARCs. Each ARC provides control, fault supervision, and monitoring for one fire suppression system.

The control panel has one Pertronic Agent Control Station for each ARC. The Agent Control Station has a keyboard and display panel providing status and fault indication for the associated ARC and the suppression system.

In addition to the control station mounted on the panel, each ARC may communicate with up to nine additional control stations.



#### **Features**

- » Fire suppression control system based on Pertronic F16e, F100A, or F220 fire panel
- » A Pertronic Extinguishing Control Panel may be fitted with multiple Agent Release Controllers (ARC)
- » Available in a range of cabinet sizes
- » Automatic or Manual agent release process
- » Automatic release can be disabled or aborted from any control station
- » Multiple controllers can be manually triggered from single device
- Meets the requirements of AS ISO 14520.1–2009

## Typical Specifications (based on F100A fire panel in 600 mm cabinet)

Power Supply		200 to 240 Vac, 50/60 Hz, 210 W
Current	Quiescent	180 mA @ 27.4 Vdc
	Alarm	536 mA @ 27.4 Vdc (plus AV signs, detonation out load)
Battery Charger		Integral Float Charger, 27.4 Vdc, 1.2 A
Battery Type		Sealed Lead Acid (Gel Cell), 2 x 12 Vdc, 7 to 21 AHr (internally mounted)
Detector Capacity		99 detectors per loop
Number of Loops		2
Agent Release Controller		Multiple Agent Release Controller boards may be installed in a control panel
Local Control Display Stations		Max 9 per Extinguishing Agent Release Module
Monitored Detonation Output		24 V @ 2 A
Operating Temperature		0 to +40 °C
Operating Environment		10 to 95% RH (non-condensing)
Dimensions (FS cabinet) (H x W x D mm)		600 x 400 x 130 mm
Weight		15.3 kg (excluding battery)
Material		1.2 mm mild steel, powder coated
Colour		Cabinet RAL 9001

# **Extinguishing Agent Release System: Typical Connections**



# For detailed specifications, please refer to the following Pertronic datasheets:

- » F220 Fire Panel Datasheet
- » F100A Fire Panel Datasheet
- » F16e Fire Panel Datasheet
- » Extinguishing Agent Release Controller Datasheet
- » Control Station for Agent Release Controller Datasheet
- » Audio-Visual Sign Datasheet
- » Weatherproof Visual Sign Datasheet

## **Ordering Information & Notes**

<b>Product Code</b>	Description
F220FS-ARC	F220 2 Loop Suppression Control Panel, FS, with Agent Release Controller
F100AF-ARC	F100A 2 Loop Suppression Panel, FS, with Agent Release Controller
F100ATF-ARC	F100A FS 2 Loop 900mm Cab 4A PSU, with Agent Release Controller
F100ATF-2ARC	F100A 2 Loop 900mm Cab. FS, with Two Agent Release Controllers
F16ELF-ARC	F16e 8cct LPFS 600mm Panel, with Agent Release Controller
F16ELF-2ARC	F16e 8cct LPFS 600mm Panel, with Two Agent Release Controllers
ACS-FM	Agent Control Station for AR System, Flush Mount
ACS-SM	Agent Control Station for AR System, Surface Mount
LCS-FM	Local Control Station for Agent Release Controller, Flush Mount
LCS-SM	Local Control Station for Agent Release Controller, Surface Mount
AVS-B	Audio Visual Sign (Requires Separate Fascia)
AVS-C	Audio Visual Sign c/w Countdown Timer (Requires Separate Fascia)

This information must not be treated as partial or complete instructions for the design, construction, installation, commissioning, or maintenance of fire detection, fire alarm, or building evacuation systems. Fire and evacuation systems must be designed and installed by properly qualified persons, in accordance with all regulatory requirements.

Unless explicitly stated otherwise, this document provides typical specifications and nominal dimensions. Actual product performance and dimensions may vary

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