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ISO 9001: 2008

International
Standards
Certifications
QAC/R64/0012

Product Overview:

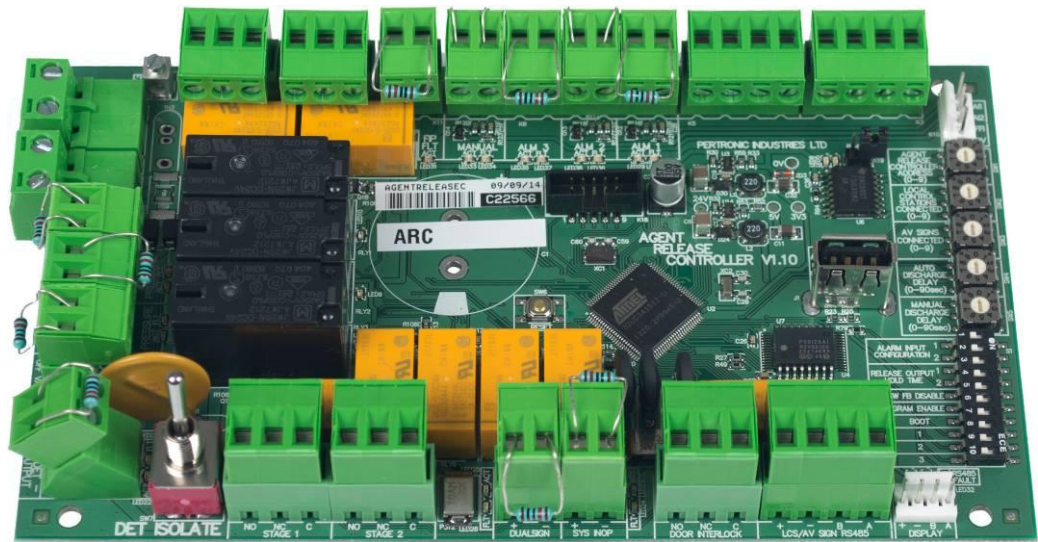
The Pertronic Extinguishing Agent Release Controller is at the heart of the Extinguishing Agent Release Panel. The panel may be a Pertronic F100A or F120A Analogue Addressable panel, a Pertronic F16e Conventional panel or a third party Fire Alarm panel. Multiple Extinguishing Agent Release Controllers may be fitted into a panel.

The Extinguishing Agent Release Controller has been designed specifically to meet the requirements of AS/ISO14520.1-2009. The technology is built upon proven Pertronic panel technology and the Pertronic Gas Flood board, which has been significantly enhanced to meet customer demands.

The Pertronic Extinguishing Agent Release Controller is one of a range of Agent Release products offered by Pertronic Industries, which include:

- Pertronic Agent Control and Local Control Stations with an in-built display provide intuitive indication and control with a high visibility 'Time to Discharge' display.
- Audio/Visual Signage with configurable messages, visual options and an optional 'Time to Discharge' display.

These powerful and flexible products complement the range providing unique, yet comprehensive solutions for all Extinguishing Agent requirements.



Extinguishing Agent Release Controller

Features:

- ▶ Compatible with Pertronic F100 and F120 Analogue Addressable Panels and F16e Conventional Panel
- ▶ Detonator Isolate switch
- ▶ Dual Action Extinguishant Release
- ▶ Monitored Inputs:
 - Alarm 1 and Alarm 2
 - Manual Release (BGA)
 - FIP Fault
- ▶ Extinguishant Monitoring:
 - Low Pressure; Pressure switch; Lock-Off Valve
- ▶ Monitored Outputs:
 - Agent / Local Control Stations
- ▶ A/V Signs:
 - Dual Sign; System Inoperative Sign
- ▶ Non-monitored Outputs:
 - Agent Released; Agent Release System Fault
 - Stage I Activation and Stage II Activation
- ▶ 5 x Decade Configuration switches:
 - Control Stations; AV Signs; Auto Discharge Delay; Manual Discharge Delay
- ▶ 10 x DIP Configuration switches:
 - Alarm Input Config; Release Output Hold Time; Pressure Switch Feedback Disable; Program Enable; Boot Enable; Low Pressure Fault Cfg.
- ▶ Gear-plate mounted for ease of wiring
- ▶ USB field programmable, facilitating future enhancements
- ▶ Designed in accordance with AS ISO14520.1-2009

Specifications:

- ▶ Dimensions:
 - PCB 170 x 98 x 38 - W x H x D mm
 - Mounting Holes Four x 4mm Diameter, centred at 152 x 89 mm
- ▶ Environmental: -5°C to +45°C, 10-95% Relative Humidity, Non-Condensing
- ▶ Non-monitored Relay Outputs: Agent Released, Agent Release System Fault, Stage1 and Stage 2 Activation
Rating: 2A (Resistive) @ 24VDC
- ▶ Monitored Inputs: Alarm 1 and Alarm 2 Inputs, Manual Release (BGA), Low Pressure, Lock-Off Valve, Pressure Switch, Door Interlock, FIP Fault
- ▶ Monitored Outputs: Dual Sign, System Inoperative, ACS / LCS Control Stations
 - Detonation: 2.5A @ 24VDC 2.5A - polyfuse protected
 - Dual-Sign: 1.1A @ 24VDC 1.1A - polyfuse protected
 - System Inoperative Sign: 1.1A @ 24VDC - polyfuse protected
- ▶ Dedicated Isolate Controls: Detonation Isolate Switch
- ▶ Operating Voltage Range: 20VDC - 30VDC
- ▶ Current Consumption: 30mA - Quiescent @ 24VDC
195mA - Alarm Stage I
120mA - Alarm Stage II

Extinguishing Agent Release Panel Diagram:



Product Codes:	
Code	Description
AGENTRELEASEC	Agent Release Controller Printboard Assembly
F100AF-ARC	F100A 2 Loop Suppression Panel, FS c/w Agent Control Station and release MCP
ACS-FM	Agent Control Station for Agent Release System - Flush Mount
ACS-SM	Agent Control Station for Agent Release System - Surface Mount
LCS-FM	Local Control Station for Agent Release System - Flush Mount
LCS-SM	Local Control Station for Agent Release System - Surface Mount
AVS-B	Audio Visual Sign
AVS-C	Audio Visual Sign with Countdown

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