

# F120A LCD Mimic

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ISO 9001: 2000

International Standards  
Certifications  
QAC/R61/0051

## Product Overview:

The **Pertronic F120A LCD Mimic** allows remote display of messages from a **F120A** panel.

The **Pertronic F120A LCD Mimic** can perform all the keyboard-display functions of the **F120A** panel.

Up to 8 addressable **F120A LCD Mimics** may be connected to a **F120A** panel and operate in 'Full Duplex' mode.



## Features:

- 4 line, 40 character, alpha-numeric LCD display
- Backlit LCD Display in 'Alarm' or 'Defect' Condition
- Three LEDs to indicate 'Fire', 'Defect' and 'Normal' status
- Local buzzer with extension buzzer output
- Low Power consumption

## Front Panel access:

- 'Evacuation' key-operated switch to operate the 'Sounder' (Bells) circuit
- 'Silence Alarms' key-operated switch to silence the 'Sounder' (Bells) circuit
- 'Buzzer Silence' switch silences all buzzers, both on the **F120A** panel and remote

## Door Open access:

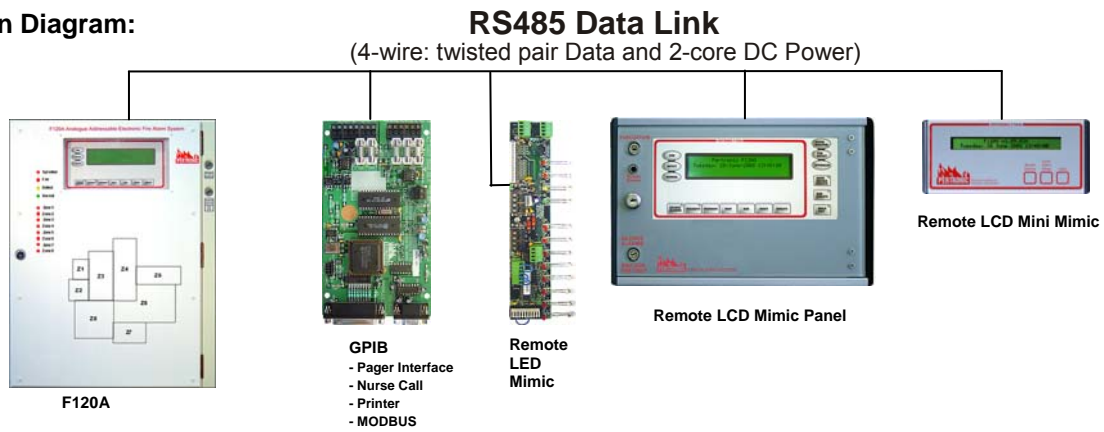
- 'Silence Alarms' switch: cancels the sounder circuit
- 'Evacuate' switch: operates the 'Sounder' (Bells) circuit
- 'Previous' switch: used to navigate forwards through alarm queues and logs
- 'Next' switch: used to navigate backwards through alarm queues and logs
- 'ACK' switch: Alarm acknowledge facility
- 'Reset' switch: resets the panel and detectors after alarm activation
- 'Isolate' switch: used to isolate loop devices
- Full Menu controls with Door Holder Isolate, Auxiliary Isolate and Walk Test plus ATS Isolate and ATS Test.

## Specifications:

<b>Dimensions:</b>	H x W x D mm	200 x 376 x 50	
<b>Power Supply:</b>	Quiescent:	8mA	- backlight and buzzer OFF
	Alarm:	43mA @ 27Vdc	- backlight and buzzer ON
<b>Mimic Communications:</b>	RS-485 Serial Link		

<b>+</b>	+24Vdc
<b>-</b>	0V
<b>A</b>	Data 'A' Leg
<b>B</b>	Data 'B' Leg

**Connection Diagram:**



**Installation/Commissioning**

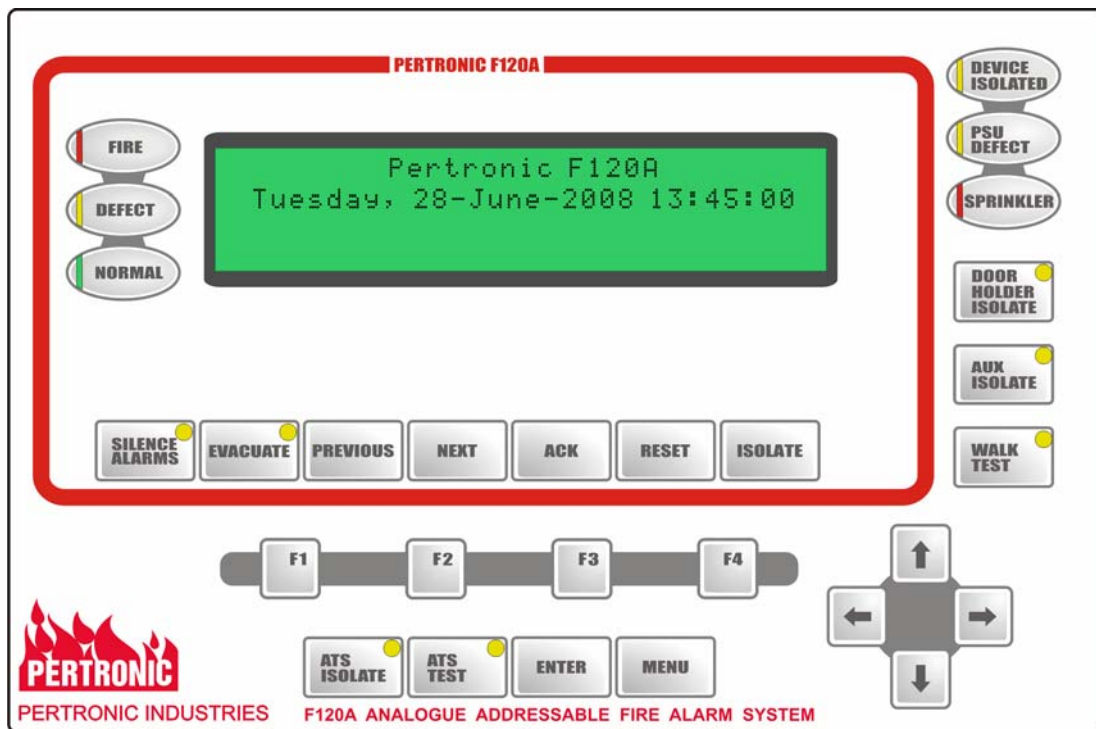
- Wire the SGD Cable from the Pertronic Analogue Addressable panel to the LCD Mimic connector K13.
  - the twisted pair provides the data feed to the A and B terminals of K13
  - the two conductors provide the DC power supply +/- of K13.
- Wire from K14 to the next Mimic device. Terminate the last device (LCD or LED Mimic) with a 470Ω resistor in the A and B terminals of K14 to provide End-of-Line termination.
- Set address links:
 

Address	Function
Address 1 to 8	Polled LCD Mimics

  - provides for "missing device" notification

Note: a maximum 32 devices may be connected to the External RS485 port.

**Keyboard – Display Layout**



**Product Codes:**

Description	Code
F120A LCD Full Function Mimic NZS4512:2003	F120AM-3
F120A LCD Full Function Mimic NZS4512:1997	F120AM
Mimic Cable Internal: 1 Pair @ 0.5mm <sup>2</sup> ; 2 Core @ 0.8mm <sup>2</sup> ; 250m Drum	SGDCI
SGD Cable External: Twisted Pair @ 0.5mm <sup>2</sup> ; 2 Core @ 1.13mm <sup>2</sup> ; 500m Drum	SGDCE
SGD Cable Internal - Fire Rated: 1 Pair @ 16/0.2mm <sup>2</sup> ; 2 Core @ 16/0.2mm <sup>2</sup> ; 100m Drum	SGDCIFR

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