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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

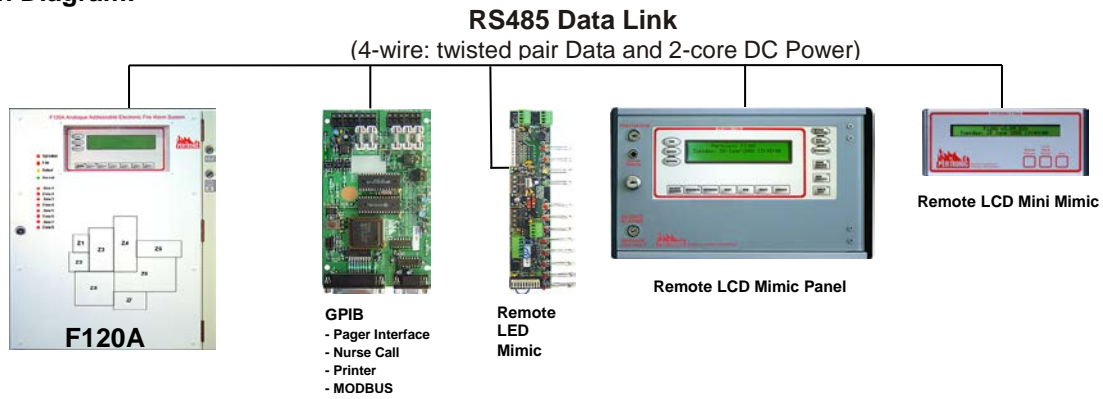
Door Open Access:

- ▶ '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 plus Door Holder Isolate, Auxiliary Isolate and Walk Test plus ATS Isolate and ATS Test.

Specifications:

Electrical:	Operating Voltage 27.4 Vdc from RS485 Bus	Quiescent Current 8 mA @ 24 Vdc Back Light and Buzzer OFF	Alarm Current 43 mA @ 27.4 Vdc Back Light and Buzzer ON
Environmental:	Operating Temperature Range 0 to 30 °C		Humidity 10 to 95% RH (non-condensing)
Mimic Communications:	+ +24 Vdc - 0 V A Data 'A' Leg B Data 'B' Leg	Mechanical:	Dimensions (H x W x D mm) 232 x 375 x 50 Weight 4.2 kg

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 470 Ω resistor in the A and B terminals of K14 to provide End-of-Line termination.

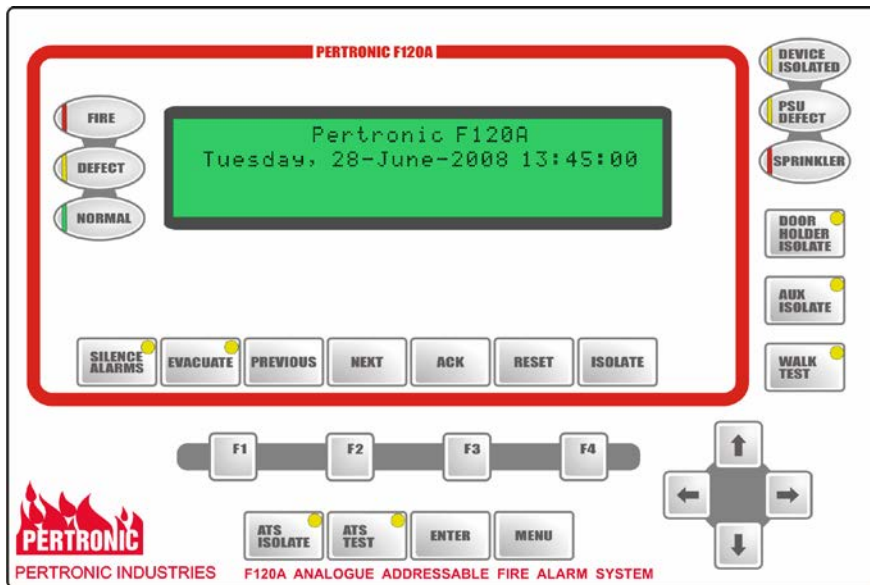
- ▶ Set address links:

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



Ordering Information:

Product Code	Description
F120AM-3	F120A LCD Full Function Mimic NZS 4512:2003
F120AM	F120A LCD Full Function Mimic NZS 4512:1997
SGDCI	Mimic Cable Internal: 1 Pair @ 0.5 mm ² ; 2 Core @ 0.8 mm ² ; 250 m Drum
SGDCE	SGD Cable External: Twisted Pair @ 0.5 mm ² ; 2 Core @ 1.13 mm ² ; 500 m Drum
SGDCIFR	SGD Cable Internal - Fire Rated: 1 Pair @ 16 / 0.2 mm ² ; 2 Core @ 16 / 0.2 mm ² ; 100 m
F120AM-3	SGD Cable Internal - Fire Rated: 1 Pair @ 16 / 0.2 mm ² ; 2 Core @ 16 / 0.2 mm ² ; 100 m

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