



# LCD Mini Mimic

## Product Overview:

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The **Pertronic Mini Mimic** allows F100A and F120A Fire Alarm system messages to be displayed at locations remote from the Fire Panel using the RS485 serial bus.

A Mini Mimic may also be connected to a Pertronic Network card, configured as an NDU driver using the soft addressing function.

LCD Mini Mimics may be connected to a F100A or F120A in one of three modes:

- Full mode:** The panel and mimic have full poll / response functions;  
All messages, 'Alarm', 'Fault', 'Isolate' and 'System' are displayed;  
System buttons function as indicated.
- Slave mode:** The mimic connection is not monitored by the panel;  
All messages, 'Alarm', 'Fault', 'Isolate' and 'System' are displayed;  
No command interaction with the panel is available.
- Alarm Only mode:** Only alarm messages displayed, providing an unambiguous display. when connected to an NDU Network Card, Full and Alarm Only modes are available.

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Mini Mimic for F100A / F120A / Network

## Features:

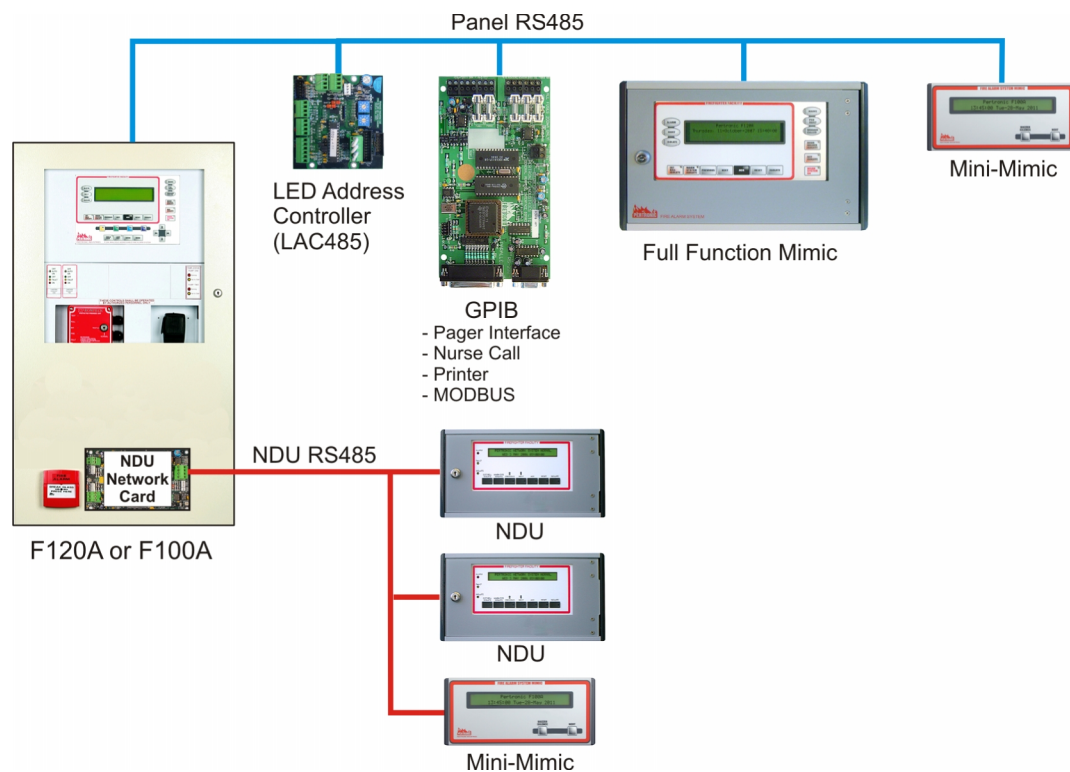
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- » Compatible with F100A, F120A and NDU Network Cards
- » 2 line, 40 character, alpha-numeric LCD display
- » Backlit LCD Display in 'Alarm' Condition
- » May be configured to display all messages, or 'Alarm'(s) only
- » Local buzzer with extension Buzzer output
- » 'Buzzer Silence' switch: cancels the in-built buzzer
- » Low Power Consumption
- » 'Next' switch: allows scrolling of queued messages
- » Decade address switches
- » Optional soft addressing for Network Display Unit option

## Specifications:

» Dimensions	105 x 236 x 31	H x W x D mm
» Power Supply Current (normal)	5mA @ 27VDC	
» Power Supply Current (alarm)	46mA @ 27VDC	
» Communications	RS485 Series Bus	
» Cable Requirement	2-Core Twisted Data, 2-Core Power	

## Mini Mimic direct and network connection:



## Installation / Commissioning:

- » Wire 4 core cable (DC Supply and RS485 twisted pair) from the Pertronic Analogue Addressable panel pr NDU Network Card to the Mini Mimic connector K2 and wire from K10 to the next Mimic device, if fitted.
- » Connect a 470Ω resistor across the A and B terminals of K10 to provide End-of-Line termination on the last device (LCD or LED Mimic)
- » Set panel compatibility mode jumper: F100 or F120 (NDU option uses F100 mode)
- » Set required display mode jumper: Alarm Only, or All messages
- » Set address links:

F100A	F120A	NDU Network Card	Function
Address 0	Address 0	Not applicable	Slave LCD Mini-Mimics- Display only
Address 1 to 8	Address 1 to 29	Soft Address 0 to 7	Monitored LCD Mini-Mimics

**Note:** Up to 32 devices may be connected to the External RS485 port of a Pertronic Analogue Addressable Panel. Up to 8 NDU or Mini-Mimic displays can be connected to a Network Card configured as an NDU display driver.

## Ordering Information:

Product Code	Description
MINIMIMIC	LCD Mini Mimic with Next and Buzzer Mute Buttons, AUS