

Networked Fire Alarm Panels

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The Pertronic Network System can connect up to 99 nodes using the two-wire high speed RS485 data communication loop connected to network cards at each panel or display. 32 nodes can be Pertronic F100A or F120A fire panels. The network is fault tolerant so that a single break or short-circuit anywhere in the communication loop will not compromise the operation of the system.

A computer may be connected to any of the network cards to configure and program the entire ring of network cards.









Events at one panel may be mapped as network inputs to one or more of the other panels for indication or to activate any outputs.

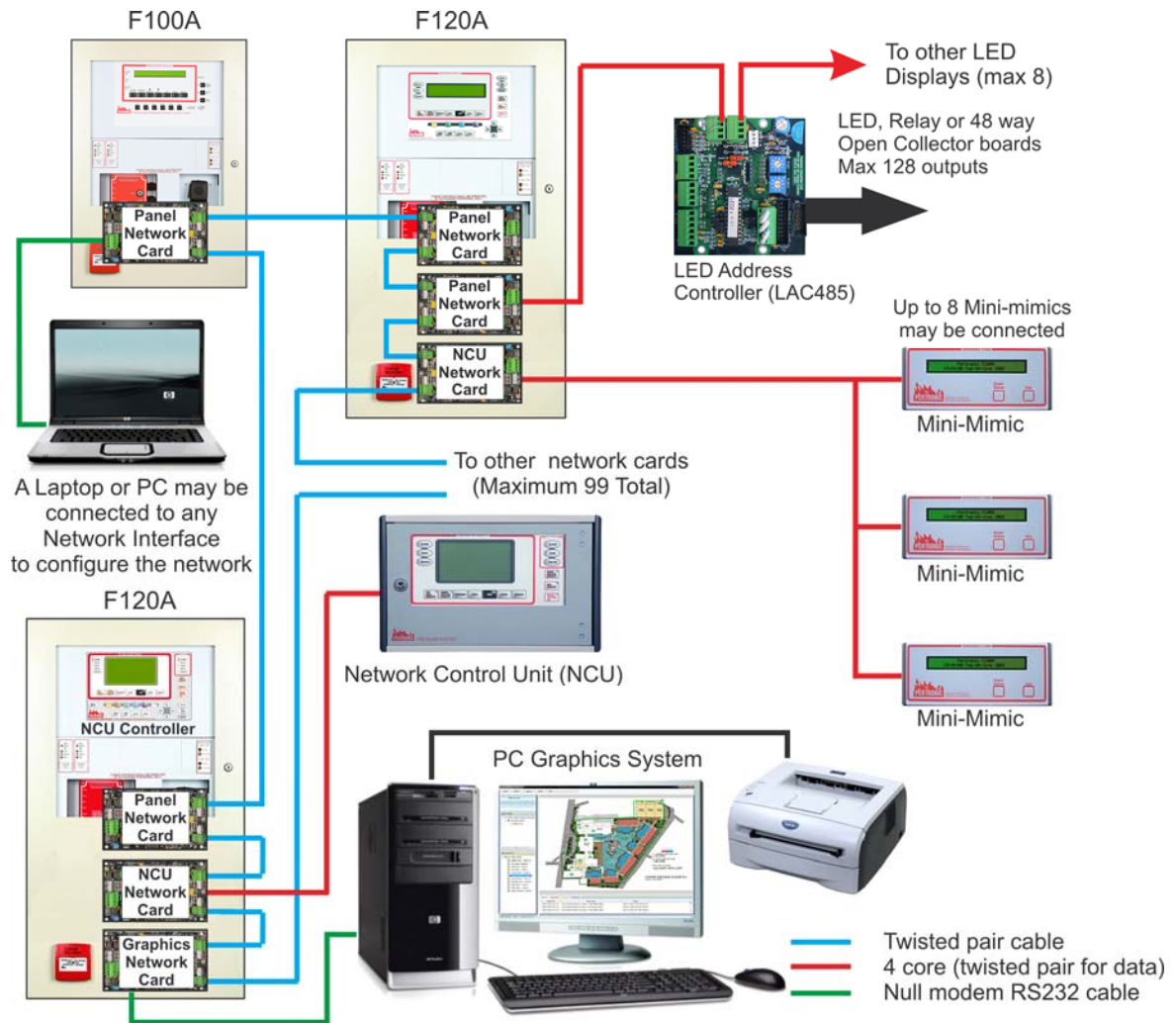
Up to 64 network inputs may be used for F100A panels, and up to 128 network inputs for F120A panels and network LED mimics.

Features:

-  Compatible with F100A panels fitted with firmware v4.54 or greater
-  Compatible with F120A panels fitted with firmware v3.12 or greater
-  High speed isolated communication bus between each network node
-  1km distance between network nodes using twisted pair cable
-  Earth fault monitoring for individual network links
-  Fibre optic option for any network node link
-  Network Control Unit (NCU) – displays and controls all network information, including direct control of individual panels. 240 x 128 pixel Graphics LCD display. One per network card
-  Mini-Mimic – displays all network information or only alarms. 2 x 40 character LCD display. Maximum of 8 per network card
-  Network LED Mimic – drives up to 128 individual open collector outputs. Maximum of 8 per network card
-  Graphics Interface – interfaces between the network and a Pertronic Graphics System. One per network card
-  Printer / Pager Interface – outputs network data to a serial printer or paging system. One per network card
-  Plug-in wiring terminals for fast and simple installation

Specifications:

 Network Card Size:	166mm x 96mm
 Network Control Unit Size:	375mm(w) x 232mm(h) x 50mm(d)
 Mini-Mimic Size:	236mm(w) x 105mm(h) x 31mm(d)
 Cable terminations:	0.5 to 2.5mm ² plug-in
 Operating temperature range:	-10°C to 55°C
 Relative humidity:	0 to 95% non-condensing
 Power Supply:	27VDC, typically direct from the panel
 Standby current @ 27VDC:	Network card – 54mA Network Control Unit – 15mA Mini-mimic – 5mA



Pertronic Network

Ordering Information:

Description

Network Card (F100 / F120 Panel / LED Mimics)
 Network Card (Network Control / Display Unit / Graphics)
 Network Control Unit
 Mini-Mimic

Part Number

NETCARD
 NETCD-NCU
 NETCU-A
 MINIMIMIC

PERTRONIC INDUSTRIES PTY LTD

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