



Network Display Unit

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ISO 9001: 2000

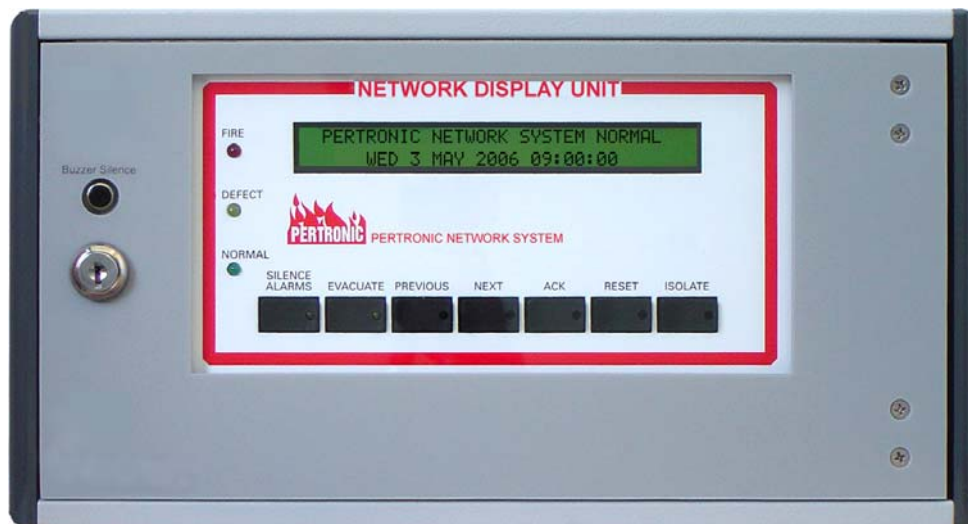
International Standards
Certifications
QAC/R61/0051

Product Overview:

The **Network Display Unit** (NDU) allows remote display of messages from a **Pertronic** Analogue Addressable panel **Network**.

The **Network Display Unit** can perform the basic functions of a control panel keyboard-display across the entire network site. However it cannot directly access the control panel menus.

Up to 8 addressable **Network Display Units** may be connected to a single network card (**NETCD-NCU**) and operate in 'Full Duplex' mode.



Features:

- 2 line, 40 character, alpha-numeric LCD display
- Back-lit LCD Display in 'Alarm' Condition
- Three LEDs to indicate 'Fire', 'Defect' and 'Normal' status
- Local buzzer with external buzzer output
- Low Power consumption

Front Panel Access:

- 'Buzzer Silence' silences local buzzers

Door Open Access:

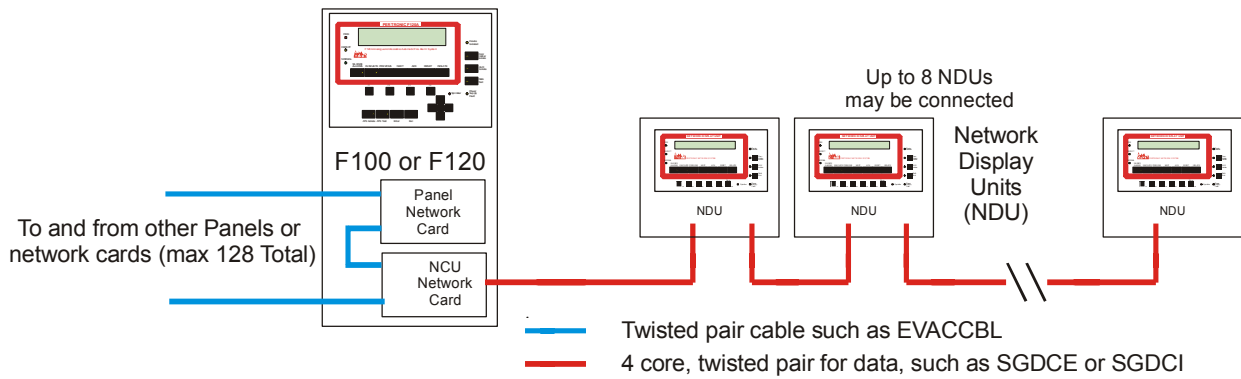
- 'Silence Alarms' switch: cancels the sounder circuits across the entire network
- 'Evacuate' switch: operates the 'Sounder' (Bells) circuits across the entire network
- 'Previous' switch: used to navigate forward through current event queues
- 'Next' switch: used to navigate backward through current event queues
- 'ACK' switch: Alarm and operation acknowledge facility
- 'Reset' switch: resets the device displayed in 'Alarm', after an activation
- 'Isolate' switch: isolates and de-isolates loop devices from the 'Alarm', 'Defect' or 'Isolate' queues
- Full Menu controls plus 'Door Holder' Isolate, 'Auxiliary' Isolate and 'Walk Test' with indicators

Specifications:

Dimensions:	H x W x D mm	200 x 375 x 50
Power Supply:	Quiescent:	6mA
	Alarm:	44mA @ 27Vdc
Communications:	RS-485 Serial Link	

+	+24Vdc
-	0V
A	Data 'A' Leg
B	Data 'B' Leg

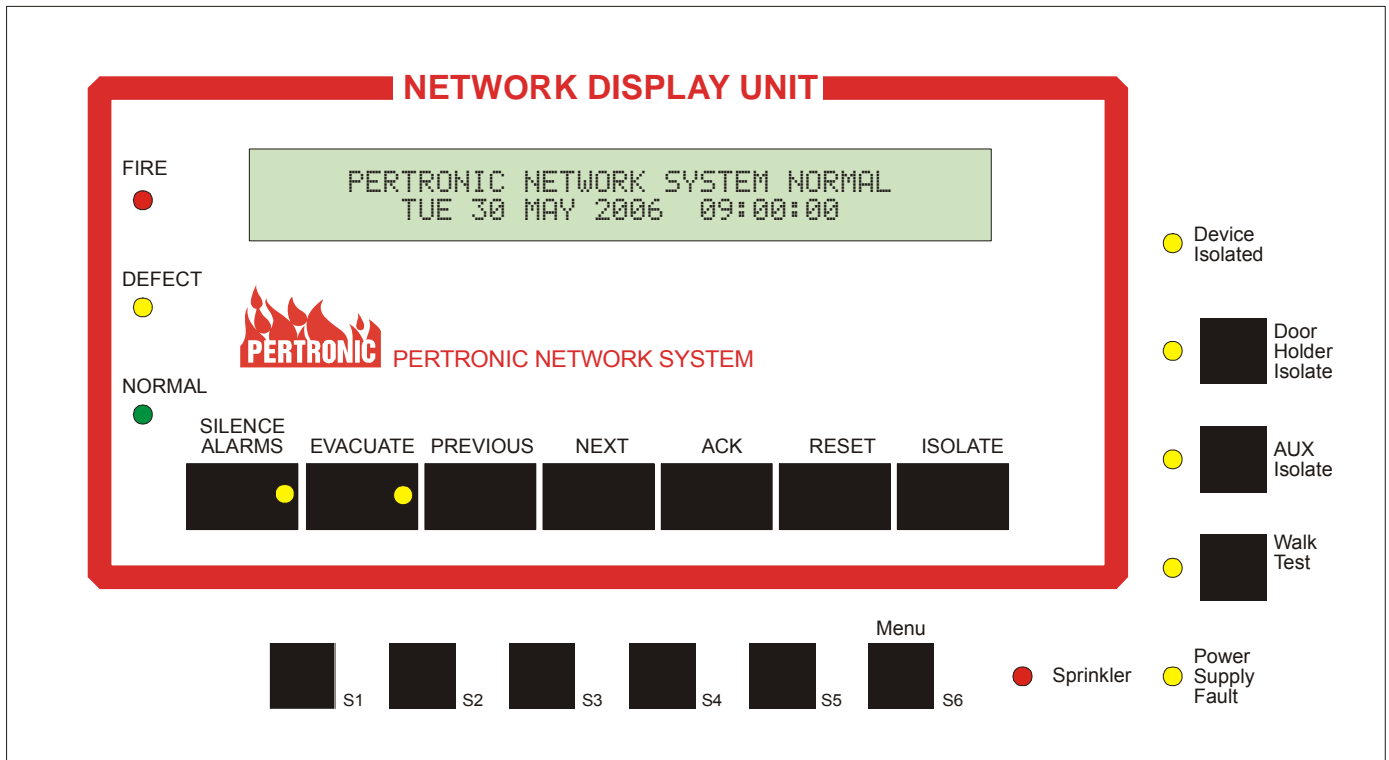
Connection Diagram:



Installation/Commissioning

- Wire SGD Cable (DC Supply and RS-485 twisted pair) from the Pertronic Network Card to the Network Display Unit connector K2 and wire from K10 to the next NDU, if required.
- Connect a 470Ω resistor across the A and B terminals of K10 to provide End-of-Line termination on the last NDU
- Set address links - valid Addresses are 0 to 7 contiguously
- Configure the network using the Network Utility, setting the number of NDUs on each network card

Keyboard - Display Layout



Product Codes:

Product Description	Code
Network Display Unit	NETDU
Network Control Unit	NETCU
Network Card – Panel or Network LED Mimic	NETCARD
Network Card – Supervisory (for NDU, NCU or pager)	NETCD-NCU
SGD Cable Internal: Twisted Pair @ 0.5mm ² ; 2 Core @ 0.8mm ² ; 250m Drum	SGDCI
SGD Cable External: Twisted Pair @ 0.5mm ² ; 2 Core @ 1.13mm ² ; 500m Drum	SGDCE
SGD Cable Internal (Fire Rated): Twisted Pair @ 16/0.2mm ² ; 2 Core @ 16/0.2mm ² ; 100m Drum	SGDCIFR

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