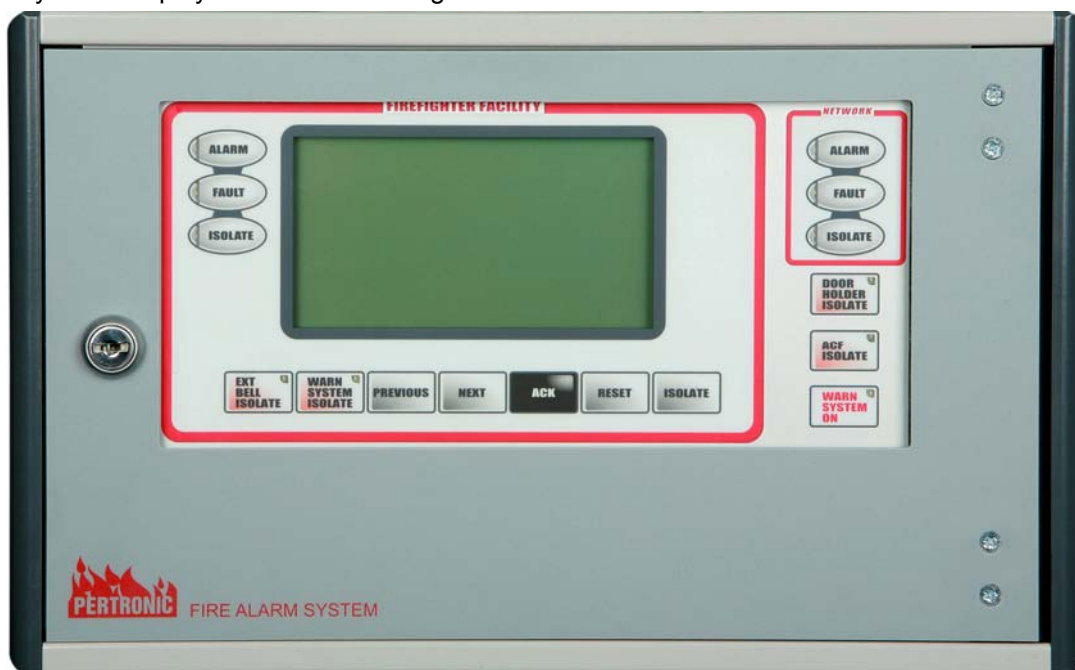


Pertronic F100 and F120 Network Controller

The Network Control Unit (NCU) allows remote display of messages from a Pertronic Analogue Addressable panel Network consisting of F100 and/or F120 control panels.

The Network Control Unit allows full and direct control and interrogation of any individual panel on the network by communicating directly with the control panel and replicating that panel's display. It can monitor and control all of the control panels across the entire network site simultaneously by performing the same primary functions as the individual control panel keyboard-displays themselves on a global basis.



Network Control Unit in dedicated cabinet

Features:

- Large graphics LCD display with backlighting
- Low power consumption
- Integral buzzer
- LED indication for 'Alarm', 'Fault', 'Isolate', 'Mains', 'PSU Fault', and 'Brigade Called'
- Coloured primary control pushbuttons for easy recognition
- Network status LEDs to indicate 'Alarm', 'Fault' and 'Isolate' globally
- LED indication for status for primary controls
- Local buzzer with external buzzer output
- 'External Bell Isolate' switch: inhibits the external bell circuits across the entire network
- 'Warning System Isolate' switch: inhibits the warning system circuits across the entire network
- 'Door Holder Isolate' and 'ACF Isolate' pushbuttons with indicators, for network wide isolation or de-isolation of dedicated outputs
- 'Warning System On' switch: operates all warning system circuits across the entire network
- 'Walk Test' and 'Lamp Test' pushbuttons with indicators, for use in direct communication with a control panel
- 'Previous' and 'Next' switches: used to navigate forwards through current event queues.
- 'ACK' switch: Alarm and operation acknowledge facility
- 'Reset' switch: resets the displayed device in alarm after an activation
- 'Isolate' switch: isolates and de-isolates loop devices from the 'Alarm', 'Fault' or 'Isolate' queues
- Six soft function switches, function dependant on current operation

• Melbourne

Unit B2
2A Westall Rd
Springvale
VIC 3171
Tel (03) 9562 7577
Fax (03) 9562 8044
sales.vic@pertronic.com.au

• Sydney

Unit 19
287 Victoria Rd
Rydalmere
NSW 2116
Tel (02) 9638 7655
Fax (02) 9638 7688
sales.nsw@pertronic.com.au

• Brisbane






Unit 3
23 Anthony St
West End
QLD 4101
Tel (07) 3255 2222
Fax (07) 3255 1122
sales.qld@pertronic.com.au

• Adelaide





65 Manton St
Hindmarsh
SA 5007
Tel (08) 8340 9533
Fax (08) 8340 9544
sales.sa@pertronic.com.au

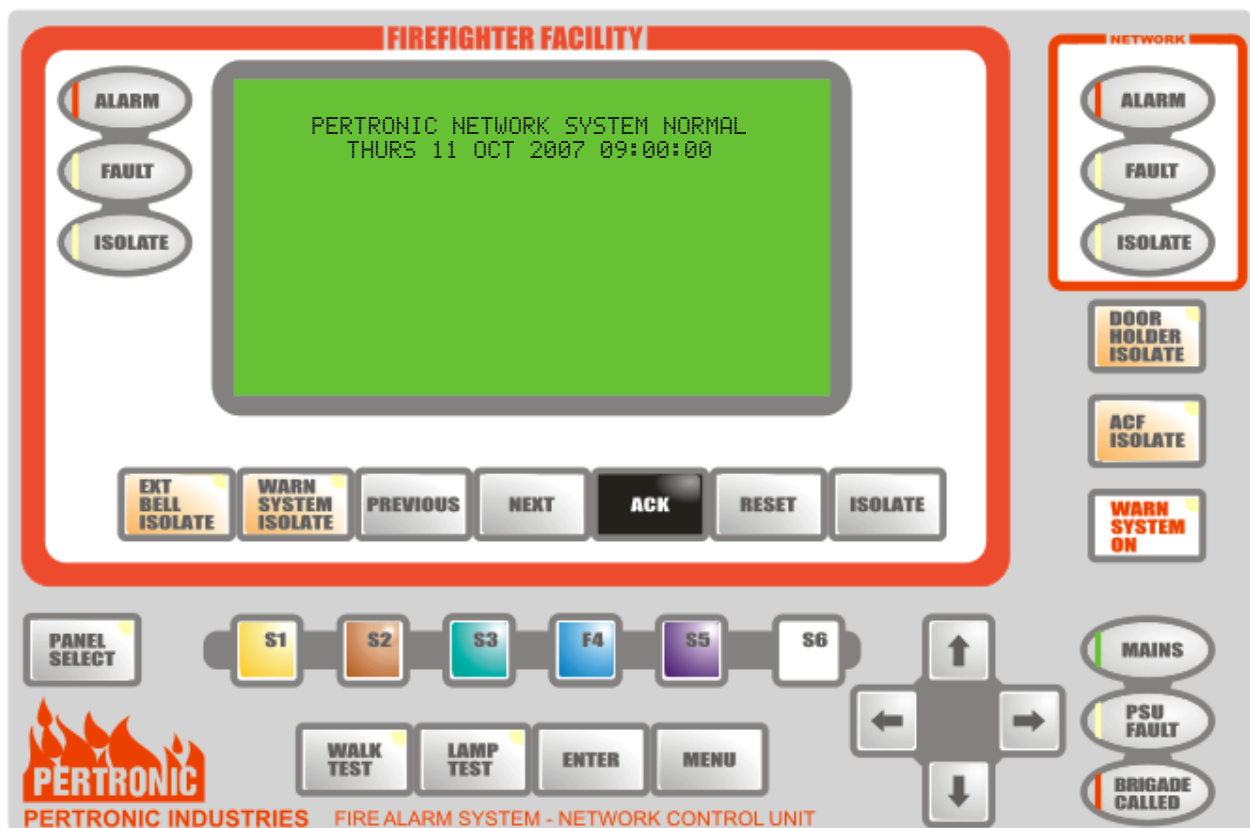
www.pertronic.com.au

Specifications:

-  LCD screen: 240 x 128 pixel graphics
-  Cabinet Size: 375mm Wide x 232mm Height x 50mm Depth
-  DC Current:(quiescent) at 24V: 15mA
-  DC Current:(alarm) at 24V: 37mA
-  Communications: RS485 Serial Link

Installation:

-  Run cable (DC Supply and RS-485 twisted pair) from the Network Card to the Network Control Unit connector 'RS485 IN'
-  Connect a 470Ω resistor across the A and B terminals of 'RS485 OUT' to provide End-of-Line termination on the NCU RS485 data line
-  Set address link - always Address 1 (jumper fitted at MJ1, position 1)
-  Configure the network using the Network Utility



Network Control Unit

Connection:

Each Network Control Unit must be connected to a dedicated network card (NETCD-NCU) via a 4 core cable, and will operate in 'Full Duplex' mode. The NCU can operate as a stand-alone display unit remotely from any of the panels, or it can replace an F100 or F120 panel display and be mounted within the panel itself. All network cards are interconnected by dedicated twisted pair network cable between each pair of cards, providing a fully fault redundant data path in case of a cable break or short circuit

Ordering Information:

Description

Network Control Unit in dedicated cabinet
 Network Card for Supervisory Display
 Network Card for Panel interface

Part Number

NETCU-A
 NETCD-NCU
 NETCARD

PERTRONIC INDUSTRIES PTY LTD

Melbourne

Unit B2
 2A Westall Rd
 Springvale VIC 3171
 Telephone: (03) 9562 7577
 Fax: (03) 9562 8044
 sales.vic@pertronic.com.au

Sydney

Unit 19
 287 Victoria Rd
 Rydalmere NSW 2116
 Telephone: (02) 9638 7655
 Fax: (02) 9638 7688
 sales.nsw@pertronic.com.au

Brisbane

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 23 Anthony Street
 West End Qld 4101
 Telephone: (07) 3255 2222
 Fax: (07) 3255 1122
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 65 Manton Street
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