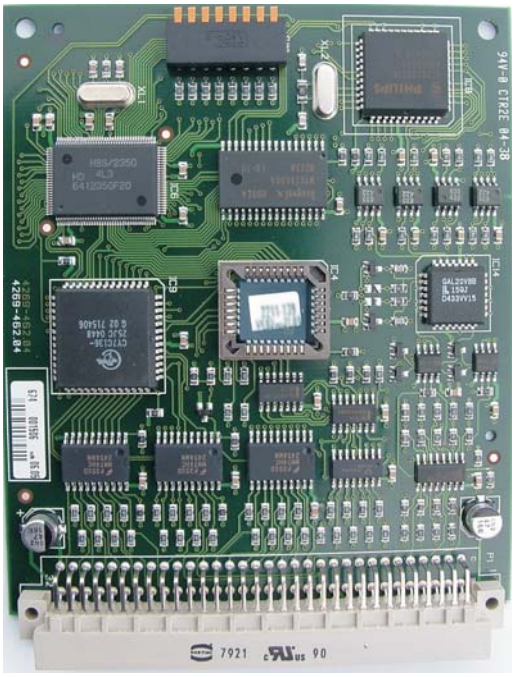
Installation instructions

Copper Network Card (BS)

(VIG/34K-NC-V3+) for BS5839 Vigilon or 34K Network



This copper network card is used to allow messages of status and control data to pass between control panels and network (or terminal) nodes in a networked fire system. The card must be plugged into the backplane of each panel and node in a dedicated slot. When it is plugged into the slot P8 on the backplane the external cables must be connected to terminal block P10, which is also located on the backplane.
The dual-in-line switches on the card are set to program the address number and baud rate.

This network card can be installed in:

Vigilon or 34K Fire Panels

- VIG1-V3+ or 34K1-V3+
- VIG1-NET-V3+
- VIG2-V3+
- VIG2-NET-V3+
- VIG3-V3+
- VIG3-NET-V3+
- VIG4-V3+
- VIG4-NET -V3+

Vigilon or 34K Network (or Terminal) Node

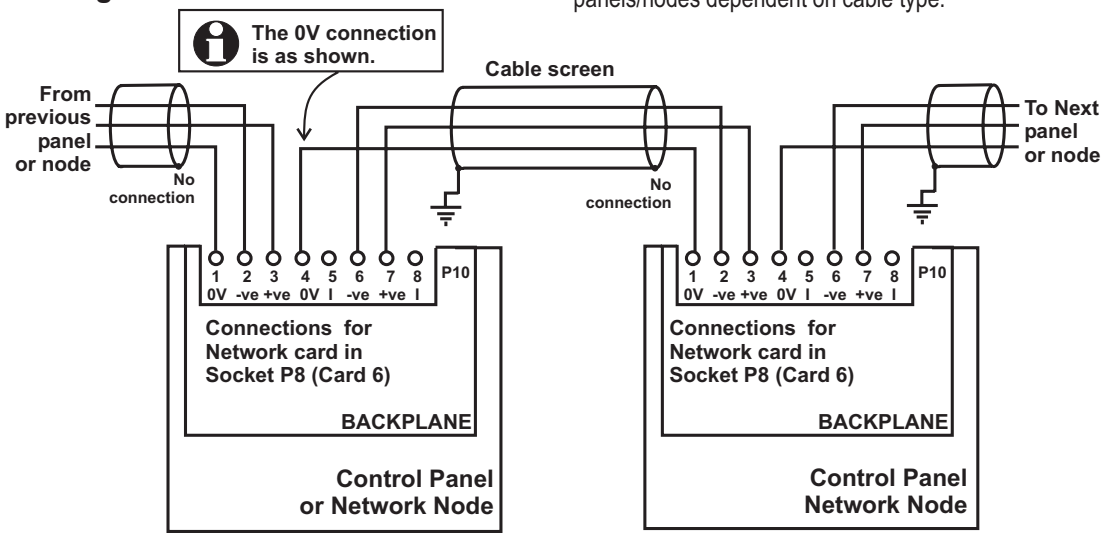
- VIG-NODE-V3+ or 34K-NODE-V3+

Specification

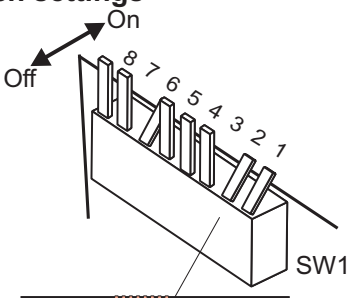
Overall size	128mm height x 100mm width
Node address range	1 to 31
Baud	2400, 9600, 19.2K and 38.4K
Operating voltage	±5V (RS485)
Terminations	Terminal block P10 assuming Network card is installed in backplane slot P8
Cable	Belden 9729 (example)
Weight	72g (approximate)
Operating temperature	0°C to 45°C
Storage temperature	-10°C to 55°C
Relative humidity (non condenscing)	up to 90%

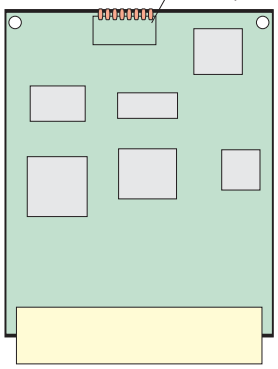
Using the Copper Network card a maximum of up to 31 Control panels and Network (Terminal) nodes can be connected in a secure network loop, with up to 1.2Km cable distance between panels/nodes dependent on cable type.

Connecting the Panels and Nodes



Switch settings

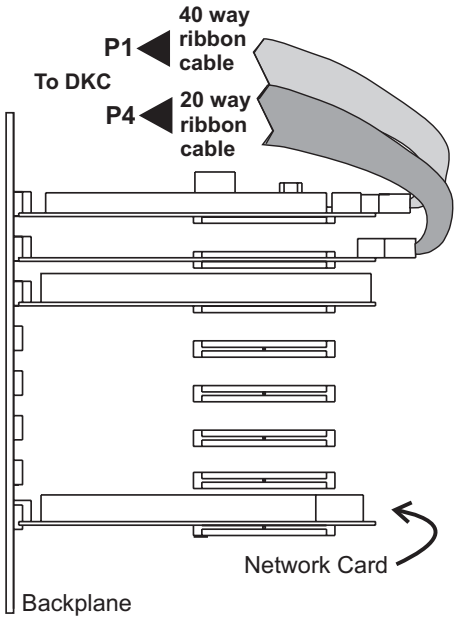




Copper Network Card

backplane	
MCC / LCC	P1 CARD 0
IOC / NC	P2 CARD 15
LOOP 1	P3 CARD 1
LOOP 2	P4 CARD 2
LOOP 3	P5 CARD 3
LOOP 4	P6 CARD 4
IOC / NC	P7 CARD 5
NC	P8 CARD 6

LCC - Local Controller Card
MCC - Main Control Card
IOC - Input Output Card
NC - Network Card
LOOP n - Loop Processor Card



The copper network card is factory set for 38.4K baud with node address 4.

Node address switch numbers and settings							Baud rate switch numbers and settings		
	8	7	6	5	4	3	2	1	
64	off	off	off	off	off	off	off	off	2400
1	on	off	off	off	off	off	on	off	9600
2	off	on	off	off	off	off	off	on	19.2K
3	on	on	off	off	off	off	on	on	38.4K
4	off	off	on	off	off	off			
63	on	on	on	on	on	on			
	Address						Baud		
	- factory settings								

WEEE Directive:
At the end of their useful life, the packaging, product and batteries should be disposed of via a suitable recycling centre.
Do not dispose of with your normal household waste.
Do not burn.

Gent by Honeywellreserves the right to revise this publication from time to time and make changes to the content hereof without oblication to notify any person of such revisions of changes.

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