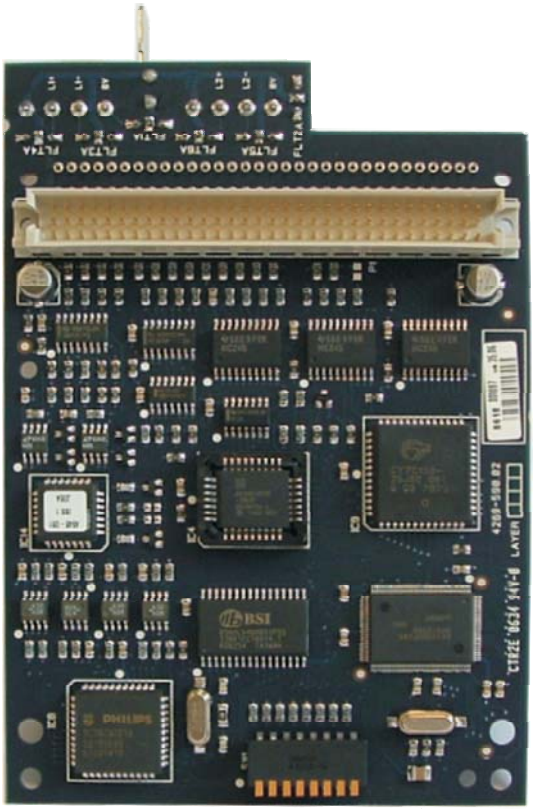
Installation instructions

Copper Network Card

(COMPACT-NC) for Vigilon Compact (Networkable)

GENT by Honeywell



2 - Stand offs
1 - Wire link
1 - Spade tag

This copper network card is used to allow data to pass between control panels in a Vigilon Compact networked fire system. The card must be plugged into the Master Control board MCB of the panel in a dedicated slot 'CARD 2'. The card has terminals to accept external network wiring.

A bank of dual-in-line switches on the card allow setting of address number and baud rate.

The Network card (Part number: COMPACT-NC) is compatible with Vigilon Compact panel having a new MCB (Part number: VCS-MCB-N) with software version 4.36 or later and new PSU (Part number: VCS-PSU-N).

Technical data

Dimensions in mm	155 height x 100 width x 25 depth
Node address range	1 to 31
Baud	2400, 9600, 19.2K and 38.4K
Operating voltage	±5V (RS485)
Terminal block	2.5mm^2
Cable	Belden 9729 (example)
Weight	108g (approximate)
Operating temperature	0°C to 45°C
Storage temperature	-10°C to 55°C
Relative humidity (non condensing)	up to 90%

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

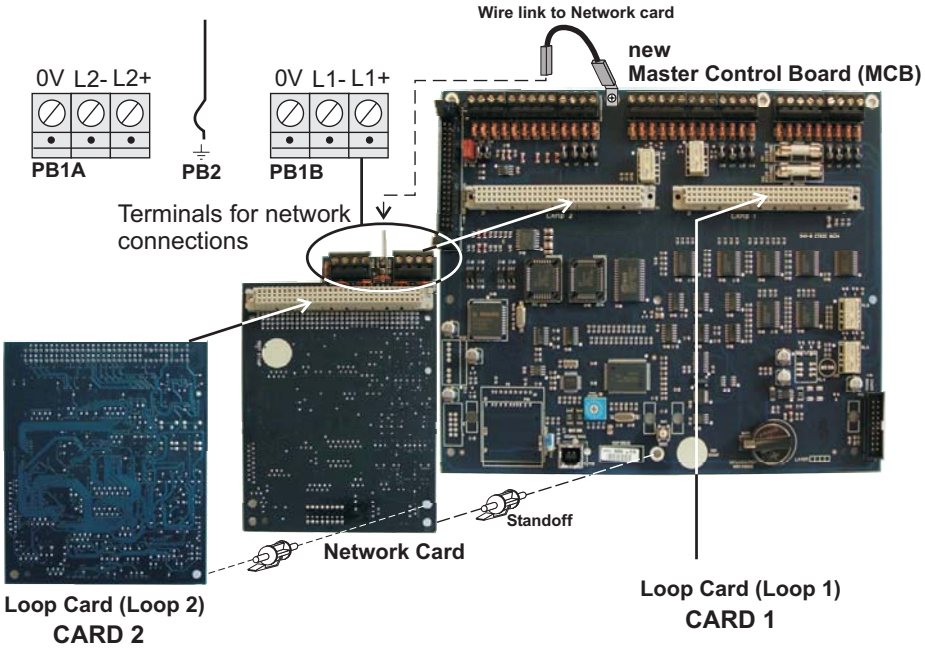
The Network card must be plugged into CARD 2 slot.

Card installation

If a second loop card is to be installed, then first fit the network card into slot marked 'CARD 2' on the MCB using the standoffs supplied and then fit the second loop card into the network card.

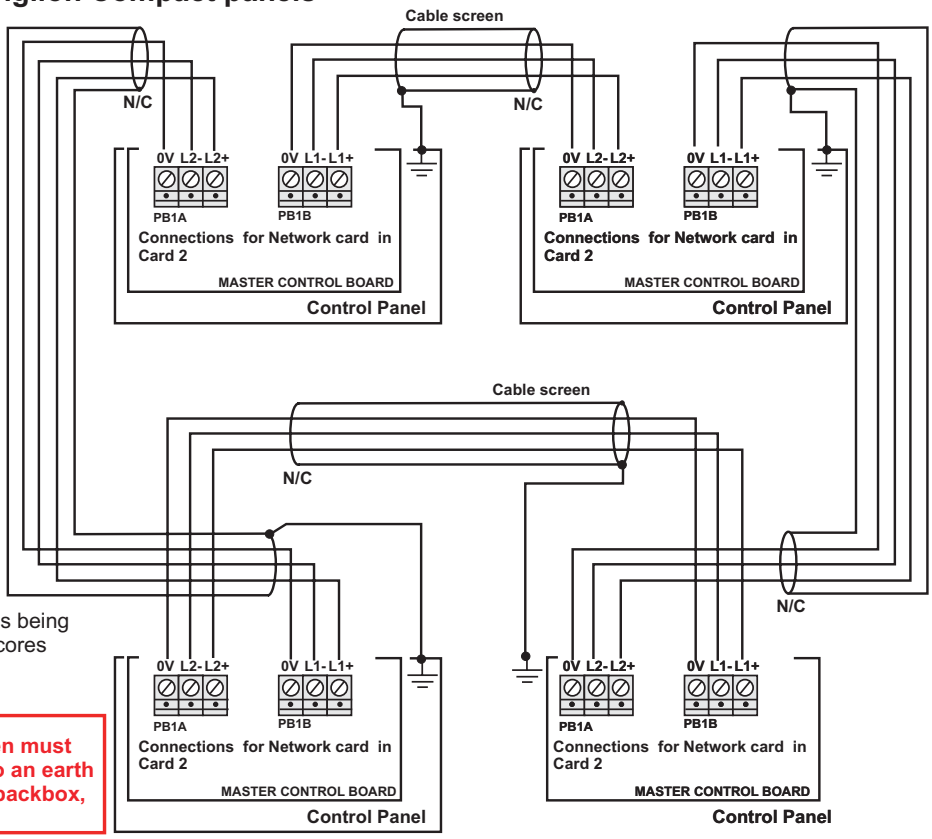
Fit the wire link supplied between the network card and MCB as illustrated.

Set the baud rate and address before installing the Network card, for details see overleaf.



Wiring a network of Vigilon Compact panels

N/C = No connection



Where a multicore cable is being used ensure the unused cores (cores without signal) are connected to 0V.

The cable screen must be connected to an earth terminal in the backbox, as shown.

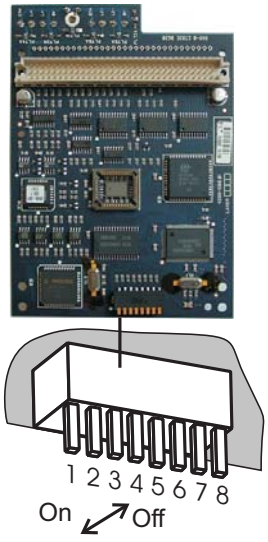
Dual in line (DIL) switches

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

Node address							Baud rate		
	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								

DIL switches location on the Network card

Component side



At the end of their useful life, the packaging, product and batteries should be disposed of via a suitable recycling centre and in accordance with national or local legislation.

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.