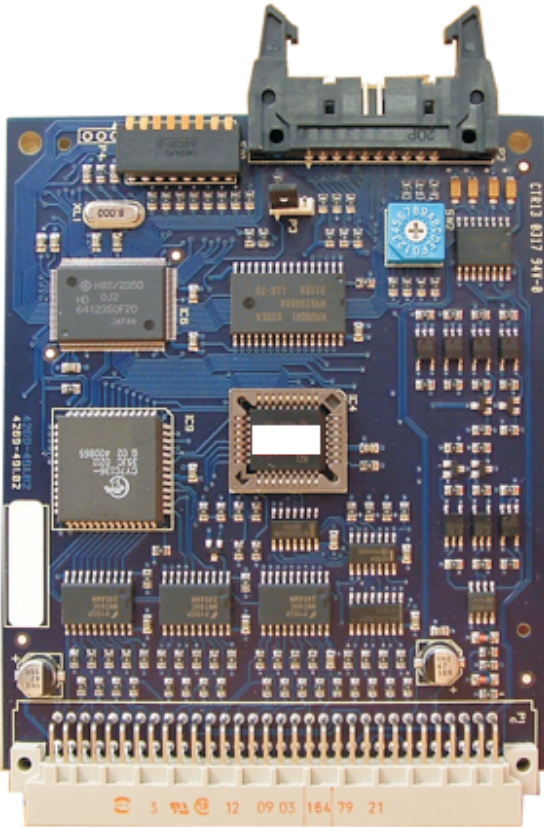


# Installation

## IO Card (EN54) (VIG-IOC-DOM)



This Input Output (IO) card (part no. VIG-IOC-DOM) is designed for installation in EN54 Vigilon analogue addressable fire panel and Network node.

### Specification

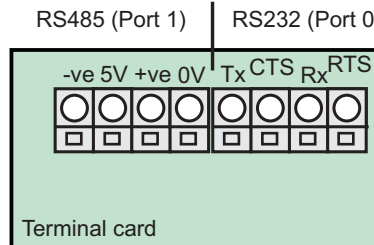
Overall size in mm	148 height x 100 width
Node address range	1 to 31
Baud (When installed as an additional IO card)	1200, 1800, 2400, 3600, 4800, 7200, 9600 and 19200
RS232 (Port 0) RS485 (Port 1)	10 m cable distance 1.2 Km cable distance
Weight	72g (approximate)
Operating temperature	0 C to +45 C
Storage temperature	-10 C to +55 C
Relative humidity (non condensing)	up to 90%



**There is no need to switch between the RS232 and RS485 ports as they are both available for simultaneous use.**

### IO card installation and associated terminals

The terminals association shown below is when an IOC is installed in CARD 15 (Socket P2) position of the backplane in a panel/node.



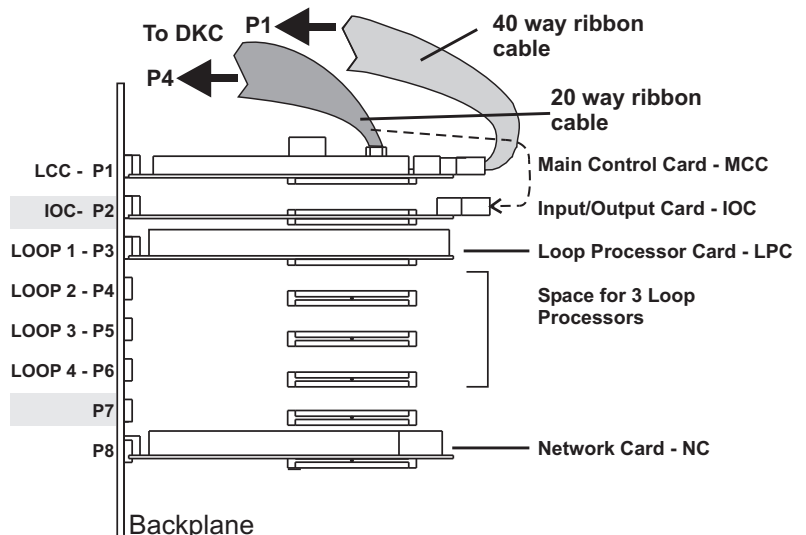
### Checks

- Set the rotary switch **SW2** to a required function, the factory default is position 5.
- Set all DIP switches **SW1** to the Off position before installing the IO card in socket **P2** of the backplane
- A legacy system will require the 20-way ribbon cable from DKC connector **P4** to be connected to the IO card socket **P2**. Otherwise the connection is to the an MCC.
- One additional IO card can be fitted into the backplane spare socket **P7** of the control panel and up to four into the backplane sockets of a Network node.

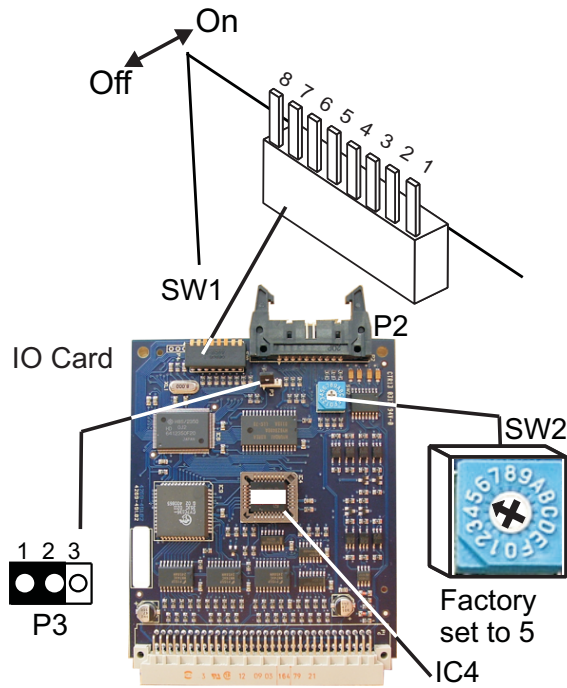
When an additional IO card is needed it is important to set its DIP switches **SW1** to the required baud rate and node address plus the rotary switch **SW2** set to the required function before installing the card in a spare socket of the backplane.

### IO card location

One IO card can be fitted in Card 15 slot, socket P2 on the Control panel backplane. In a legacy panel if there is an old LCC being used instead of an MCC then the 20-way ribbon cable will need to be connected to the IOC. In such legacy installation the IOC may be used to drive a printer. On all the latest systems the 20-way ribbon cable is always connected to an MCC.



**Setting switches SW1 and SW2**



**SW1 Switch settings**

The switch positions shown below are applicable for the IO Card when installed as an additional IO card.



**No dongle is required for DIP switches to work when used as second or additional IO card.**

			Node Address						
1	2	3	Baud Rate	4	5	6	7	8	
Off	Off	Off	1200 baud	Off	Off	Off	Off	Off	
Off	Off	On	1800 baud	Off	Off	Off	Off	On	1
Off	On	Off	2400 baud	Off	Off	Off	On	Off	2
Off	On	On	3600 baud	Off	Off	Off	On	On	3
On	Off	Off	4800 baud	Off	Off	On	Off	Off	4
On	Off	On	7200 baud	Off	Off	On	Off	On	5
On	On	Off	9600 baud	Off	Off	On	On	Off	6
On	On	On	19200 baud	Off	Off	On	On	On	7
									up to 31



**IMPORTANT:**

The Control Panel make use of the DIP switches on the DKC, located on the inner door to set the node address and baud rate. Therefore it is important that the DIP switches SW1 on the IO card are ALL set in the UP or OFF position so that they are ignored.


Factory settings


**SW2 Switch settings**

RotaryS switch Pos.	Standard connections Port 0 (RS232) Mode	Port 1 (RS485 mode)
0	3217 Half/Full-Duplex	Switch position from 0 to 7 sets this port for Repeat panel at 1200 baud.
1	Slave I/O	
2	Remote Printer (as VIG-IOC-PRT)	Switch position from 8 to F sets this port for other applications at 9600 baud.
3	Universal Full-Duplex (as VIG-IOC-UFD)	
4	Ascom Pager (as VIG-IOC-ASCOM)	
5	Domain Bridge Full-Duplex	
6	Universal Half-Duplex (as VIG-IOC-UNI)	
7	-	
	Factory setting	




**Where the IO card is being used for D1 serial link application then the switch SW2 must be set to Position 0.**

 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.

Honeywell Gent reserves the right to revise this publication from time to time and make changes to the content hereof without obligation to notify any person of such revisions of changes.

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