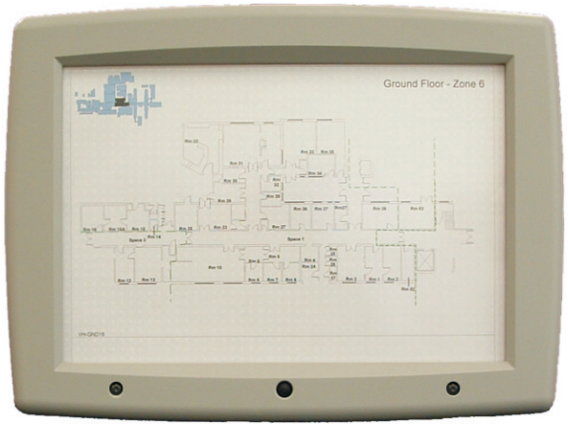
Data and Installation

Vigilon A3 Mimic panel

VIG-MIM-A3

GENT by Honeywell

Customised Mimic



Zonal Mimic



A Vigilon A3 Mimic panel (VIG-MIM-A3) must be connected to a loop circuit of a Vigilon fire detection and alarm system. It is used to provide indication of fire events in the system. However it can also be used to provide indication of fault and supervisory events in the system. The panel can be mounted in landscape or portrait orientation.

A Customised Mimic holds a pictorial overlay that represents the protected building or an area within. A fire event is indicated by the illumination of appropriate red LEDs behind the overlay to show the location of fire.

A Zonal Mimic provides a traditional zone by zone indication of a fire. Each zone is given a location label to identify the affected area within a building.

The panel illumination defaults to a Zonal Mimic but can be reprogrammed during commissioning to be a Custom Mimic. An array of red lights illuminate individually or in groups. Illuminations may be custom shapes, text and digital clock in small or large size. A site specific 'welcome message' may be configured for display during quiescent condition that can scroll if it is too long to fit the display area. First or last fire flashing options available, with in phase or anti phase flash.

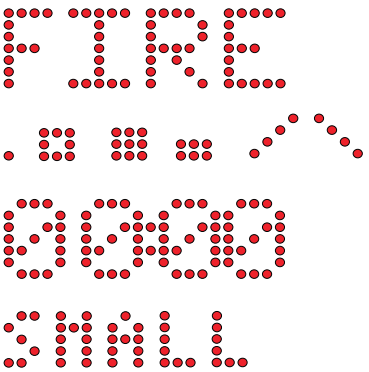
The panel has its own mains derived power supply with battery for standby power in the event of mains supply failure.

Technical Data

Overall dimensions (with back box)	height 375mm, width 508mm, depth 91mm
Weight	7.9Kg without batteries 10.5Kg with batteries
Storage temperature	-10 to +55ºC
Operating temperature	0 to +45ºC
Relative humidity (Non condensing)	Up to 90% temperature +5 to +45°C
Battery	2 x 6V 7Ah sealed lead acid (weight 1.3Kg each) The integral battery provides power for 72 hours in standby condition and a further 30 minutes in alarm.
Mains supply voltage	230V -15% +10% 50/60Hz
Emission	BS EN61000-6-3 : 2001
Immunity	BS EN50130-4 : 1996 : Part 4
LVD	BS EN 60950-2006
Ingress protection	IP30 (estimated)
Colour	Door - Pantone 422 Back box - Graphite Grey (RAL 7024)
Control	Cancel fault buzzer / lamp test button
Indicators	1536 high intensity RED LEDs.
Loop connection	3-way connection to a loop circuit

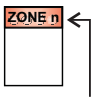
Typical Mimic illuminations

Customised Mimic



Flashing in phase or anti phase

Zonal Mimic



Zone in fire
- steady indication

Latest zone in fire
- flashing indication

Compatibility

A **Zonal Mimic panel** may be installed in the fire system wtih control panel having the following card software:

Control panel CARD	EN54 Control Panel software	BS5839 Control Panel software
LPC **New Shorter Card ONLY**	≥ V4.19	≥ 3.90

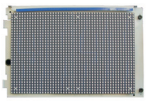
≥ means equal to or greater than

Installation

Fuses on Master Repeat Card

Fuses	Rating	
FS4	3.15A AB Ceramic	20mm x 5mm
FS2	3.15A AB Ceramic	20mm x 5mm
FS3	2A QB	20mm x 5mm

The Mimic Panel set consists of:

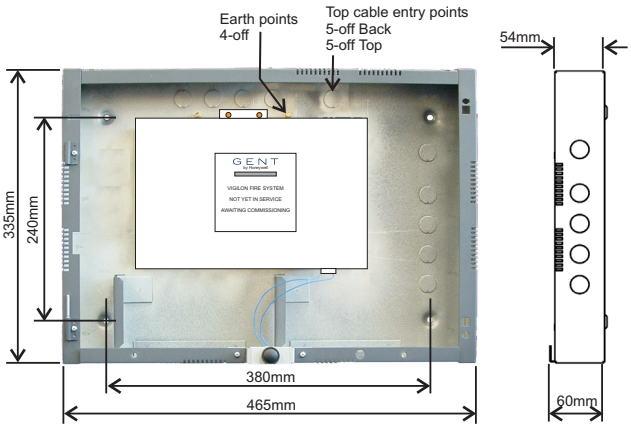
Component	Quantity
❶  Back box assembly	1
❷  Inner door assembly	1
❸  Outer cover assembly	1
❹  Key for Outer cover	1
❺  3.15A 20mm x 5mm AB Ceramic	2
❻  2A 20mm x 5mm Quick Blow Fuse	1
❼  Battery lead	1
❽  Link lead	1
❾  6V 7Ah Battery	2
❿  Overlay pack for A3 Mimic panel 1 x pre-printed Zonal sheet 2 x blank A3 sheets for printing a Mimic or Zonal overlay 1 x LED spacing sheet **The overlays in the pack are high quality UV protected A3 paper.** A **magnetic strip** used to hold an overlay in place is fitted to the top side of the inner door.	1 Set

Mounting the backbox

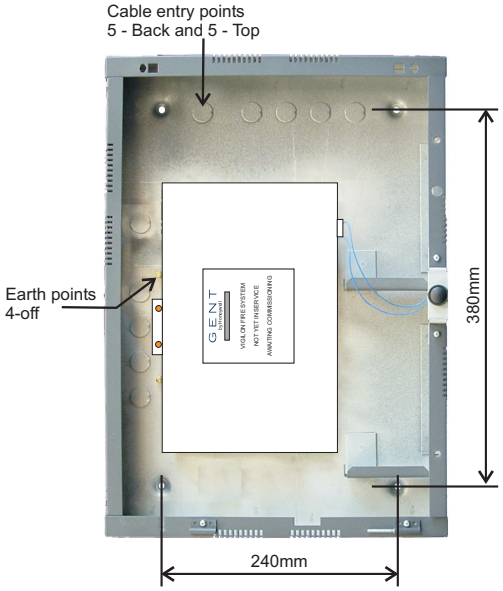
The A3 Customised Mimic panel can be mounted either landscape or portrait, while an A3 Zonal mimic panel must only be mounted landscape when using the overlay supplied.

a. Locate the package Back box assembly ❶. Decide on back box mounting in either:

Landscape orientation or



Portrait orientation



b. Knock out the required cable entry points from the back box.

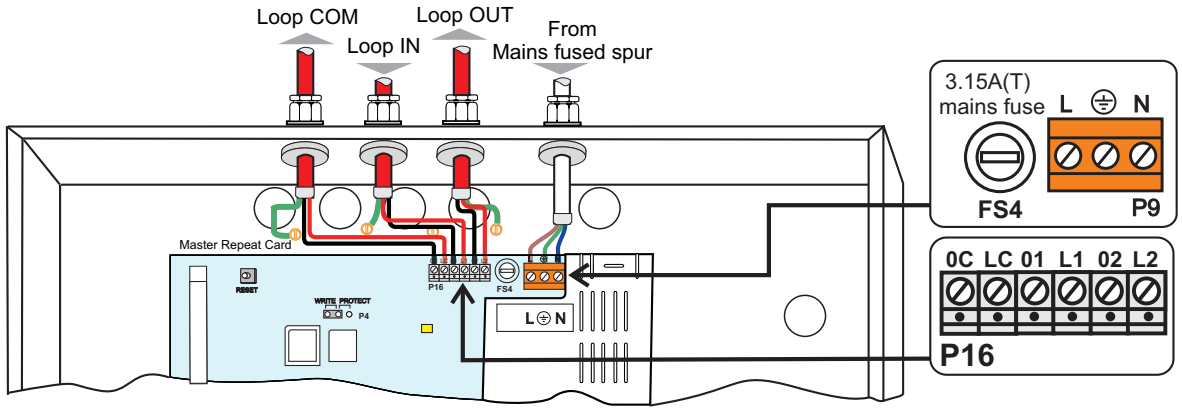
c. Mark out the 4-back box fixing positions on the wall to which the panel is to be mounted and secure it with suitable fixings.

Ensure the mains power remains isolated until system power up during commissioning.

d. Terminate the loop and mains cables at the entry points and if required connect the cables to the appropriate terminals.

e. All the other parts are installed during commissioning.

External wiring

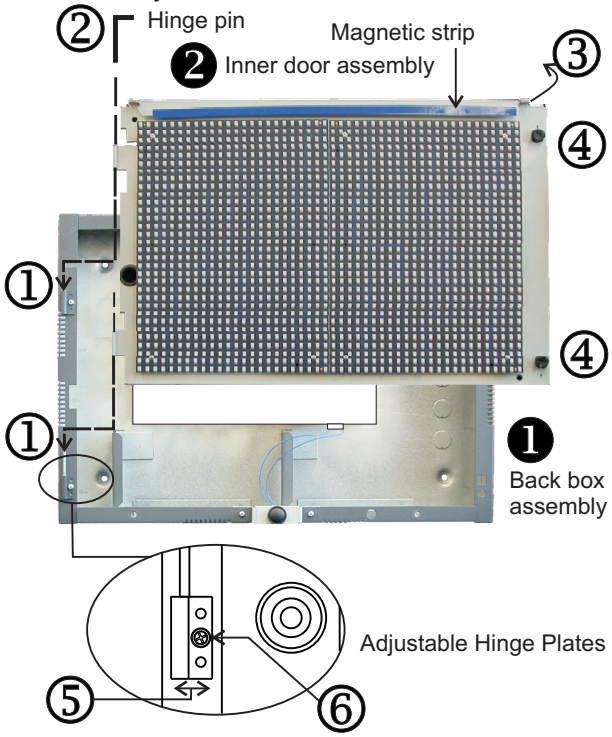


The external cables are routed into the back box using the entry points on the back box. The left 4 entry points are for the loop cables for connection to terminal block P16. The right cable entry point is for the mains cable only which connects to the terminal block P9.

The other parts supplied with the mimic panel are fitted during the commissioning stage, however the procedures are described here for completeness.

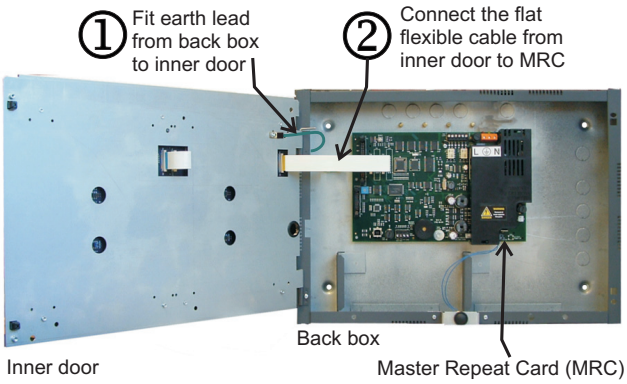
How to fit the inner door assembly

The following procedures describe how to fit the inner door assembly to the backbox.



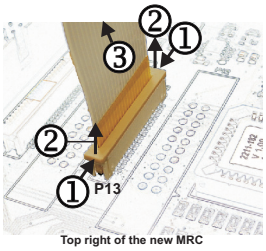
Align the inner door assembly ❷ to the two hinge pin positions ① on the back box ❶ and slide the door down until it is seated correctly. Insert the top (removable) hinge pin ② and secure it by rotating the pin into the back box. Close the inner door assembly ③ and lock it using the fastners at position ④. For minor adjustment of the inner door, open the fixing screw ⑥ and adjust the hinge plate⑤ to a required position and then secure the plate to the backbox by tightening the screw ⑥.

Where to connect the internal cables



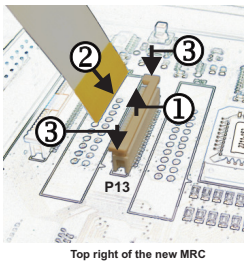
Remove the protective cardboard cover from the Master Repeat Card. Connect the earth lead ① from the back box to the inner door assembly. Connect the flat flexible cable ② to socket P13 on the Master Repeat Card, see details on fitting and remove of flat flexible cable.

How to disconnect a flat flexible cable



Hold the locking tab by the edges at positions ① and lift it upwards one side at a time ② to disengage the flat flexible cable. Then remove the cable ③ from the socket.

How to connect a flat flexible cable



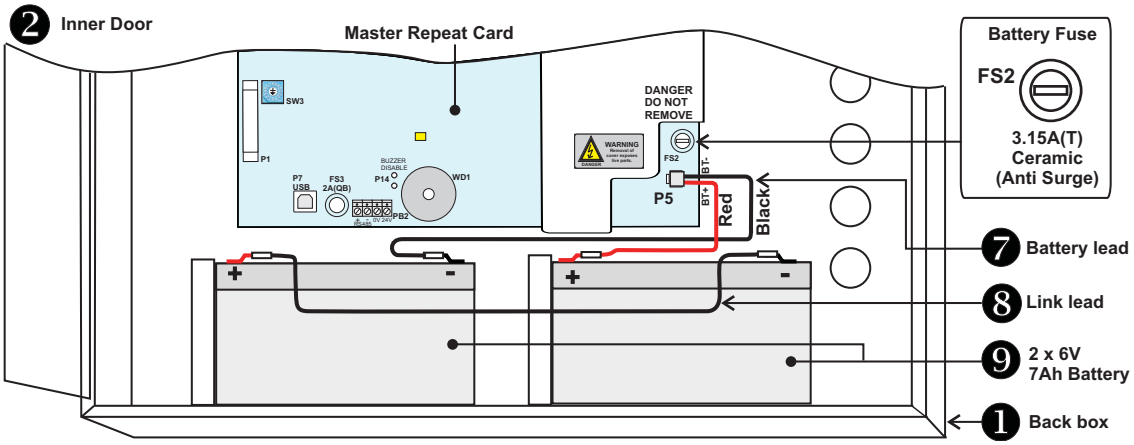
Hold the locking tab by the edges and lift it upwards a little ① and insert the flat flexible cable ② into the socket. Ensure the cable contacts are on the opposite side to the locking tab. Push down the locking tab ③ to lock the cable.

Setting the switch SW3



SW3

A Custom Mimic panel or a Zonal Mimic panel requires the switch SW3 located on the Master Repeat Card to be set to position **'0'.**



Power up

Fit the two battery ❾ upright inside the backbox ❶, in the correct orientation with the + terminal to the left, between the 'battery stop brackets'. Connect the battery lead ❼ and link wire ❽ as illustrated in the diagram above. The mains power to the panel can then be switched ON.

Lamp Test

Press the button located on the bottom centre face of the panel to conduct a 'lamp test'. The test will illuminate alternate blocks of LEDs so that they can be checked and sound the two tone internal buzzer for the test duration.

Zonal Mimic overlay

A landscape Zonal Mimic makes use of the zonal overlay supplied. An editable PDF file of the zonal overlay is available on the **Gent Expert Forum** (www.gentexpert.co.uk). The file is used for the entry of zone labels and subsequent printout on to one of the blank A3 sheets supplied. To avoid waste of blank A3 sheets supplied do a trial print to normal A3 paper and check the plan for alignment with the LED matrix.

Custom Mimic overlay

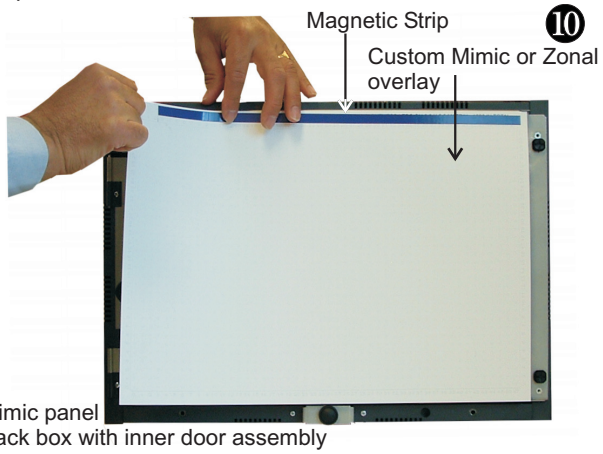
To create a customised mimic plan use the LED spacing sheet provided to draw a representation of the protected building or areas within, such that the layout is drawn around the LED matrix. The final plan may be drawn using a CAD package and printed to one of the blank A3 sheets supplied, to make the customised mimic overlay. To avoid waste of blank A3 sheets supplied do a trial print to normal A3 paper and check the plan for alignment with the LED matrix.

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.

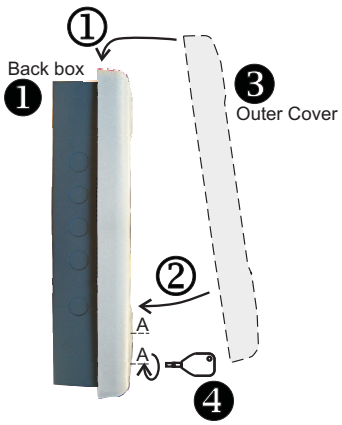
At the end of their useful life, the packaging, product and batteries should be disposed of via a suitable recycling centre and in accordance with national or local legislation.

How fit an overlay

Place the required printed overlay on top of the LEDs and align the plan such that it fits inside the LED matrix and hold the overlay in place using the magnetic strip. The overlay is secured in place when the outer cover is fitted to the panel.



How to fit the outer cover



Hook the Outer Cover ❸ over the top edge ① of the Back Box ❶. Close the bottom of the Outer Cover ② onto the Back box and secure the Outer Cover by the two captive screws on the cover using the key ❹ supplied.
Ensure the zonal mimic or customised mimic plan is located centrally within the anti glare window of the outer cover.

Gent by Honeywell 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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