

Installation

Replacement MRC

(Mark 4)

The replacement Master Repeat Card (MRC) Mark-4 (VSRPT-MRC-72 or CP4S-RPT-MRC-XXX) is designed for installation into a EN/BS Repeat panel or A3 Mimic panel, that is wired on to a loop of an EN or BS fire alarm control panel. The replacement MRC must be installed in the manner described in this leaflet.

Replacement MRC

Part and Description	Qty
	1

Replacement MRC (Mark 4) with Protective Cover

Compatibility

The replacement MRC is **only** compatible with system control panel having:

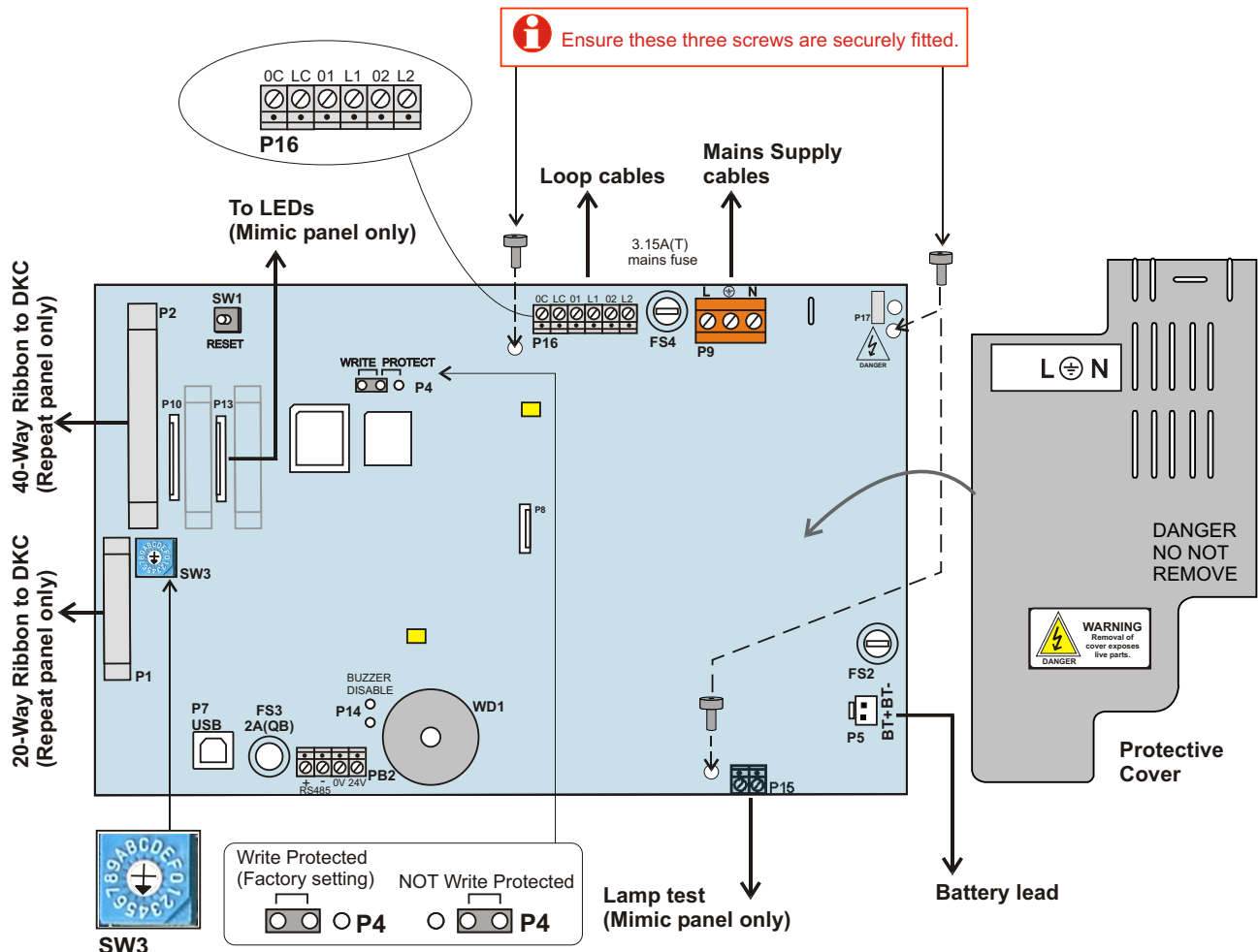
Control panel CARD	Control Panel Software	
	EN54	BS5839
Loop Processor Card New Shorter Card ONLY	V4.19	3.90

means equal to or greater than

Rotary switch and settings



Panel	
0	A2/A3/A4 Mimic Panel only
1 to 3	Unused
4	Repeat panel (having an 8 line display)
5 to F	Unused



How to fit replacement MRC into a Repeat Panel

To fit a replacement MRC (Mark 4) into a new Repeat panel:

- a. Power down the loop on which the Repeat panel is connected. To do this use the controls at the main panel, select [Reset]# loop and immediately press any of the function keys to power down the loop.

Use the [Stop] loop command if available instead of the [Reset] command.



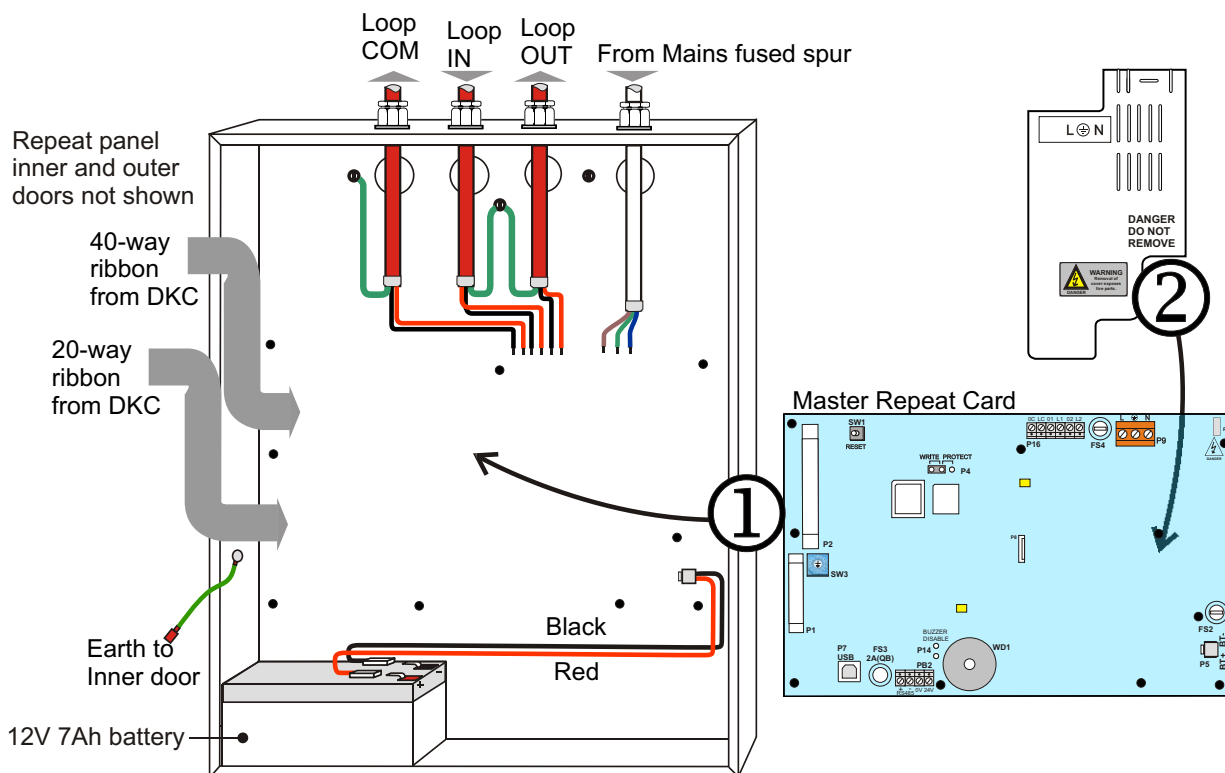
Switch off the mains power to the Repeat panel at its fused spur unit.

- b. Open the outer and inner doors on the panel to access parts in the backbox.
- c. Disconnect the existing wiring to the MRC, to include the battery cable, ribbon cables, loop cables and mains cable.
- d. Remove the MRC and fit the replacement MRC ① into the backbox. Ensure fixing screws are securely fitted in the same locations and the card is secured to the backbox.
- e. Reconnect the ribbon cables, loop cables and mains cable to the replacement MRC.



To avoid the risk of electric shock, ensure the protective cover ② supplied is fitted over the replacement MRC before power up.

- f. Set the rotary switch SW3 to position 4. The switch is located below the 40-way ribbon cable header P2 on the replacement MRC.
- g. Power up the panel by plugging the battery lead to socket P5 on the replacement MRC and then switch on the mains power to the Repeat panel.
- h. Wait for Repeat panel to power up and then use the controls at the main control panel to reallocate the loop. The Repeat panel will then show the indications of the main control panel.
- i. Close and lock the inner and outer doors of the panel.



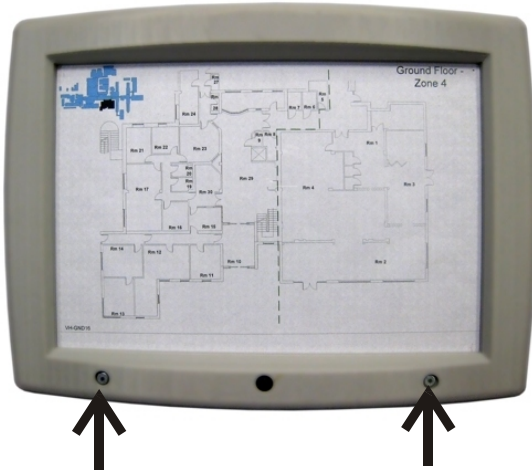
How to fit replacement MRC into an A3 Mimic panel

- a. Power down the loop on which the A3 Mimic panel is connected. To do this use the controls at the main panel, select [Reset]# loop option and immediately press any of the function keys to power down the loop.

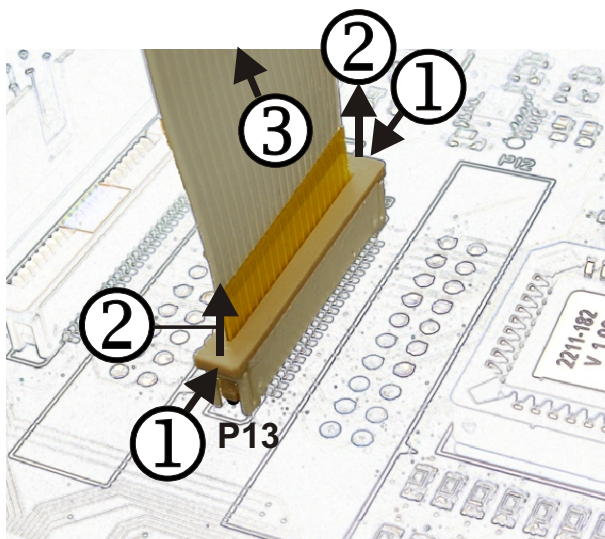
#Use the [Stop] loop command if available instead of the [Reset] command.



Switch off the mains power to the Mimic panel at its fused spur unit.

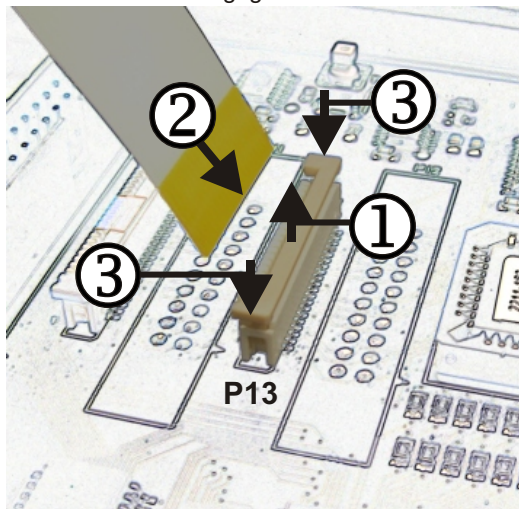


- b. Open the two captive screws on the bottom edge of the outer cover using a key supplied with the panel and unhook the outer cover. Keep the outer cover in a safe place to avoid damage.
- c. Open the two screws securing the inner LED chassis on the right side and hinge open the chassis to access parts in the backbox.
- d. Disconnect the existing wiring to the MRC to include battery cable, loop cables, mains cable and flat flexible cable (FPC connector)# from the MRC.
To disconnect the 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



Top right of the new MRC

- e. Remove the MRC and fit the replacement MRC into the backbox. Ensure the screws are securely fitted in the same locations and the card is secured to the backbox.
- f. Reconnect the loop cables, mains cable and flat flexible cable (FPC connector)# to the replacement MRC.
 # To reconnect the 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.

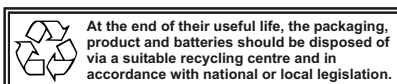
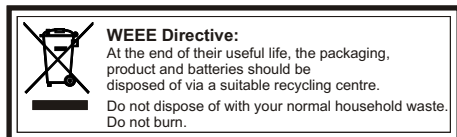


Top right of the new MRC



To avoid the risk of electric shock, ensure the protective cover supplied is fitted over the replacement MRC before power up.

- g. Set the rotary switch SW3 to position 0. The switch is located mid left side on the replacement MRC.
- h. **Zonal mimic panel:** Replacement MRC needs no configuration as it is already pre-configured.
Mimic panel: Set the link P4 to 'NOT Write Protected'. Connect the Mimic configuration tool to the USB socket P7 on the replacement MRC and write the configuration, for details see the document supplied with the 'Mimic Configurer'. On completion ensure the link P4 is set to 'Write protected'.
- i. Power up the panel by plugging the battery lead to the replacement MRC at socket P5 and then switch on the mains power to the Zonal / Mimic panel.
- j. Wait for Zonal / Mimic panel to power up and then use the controls at the main control panel to reallocate the loop. The Zonal / Mimic panel will then show the indications of the main control panel.
- k. Close and lock the inner LED chassis and refit the outer cover to the mimic panel.



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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