

This kit enables the replacement of lost 'Master Keys' on an Entrotag 100 system, without losing any user key information. Master keys are required to add and delete user keys and edit functions. This kit contains a replacement firmware chip (in a holder) and two replacement master fobs (one has an ID label).

## Replacing Firmware Chip

- 1, Power down system
- 2, Remove the 4 x 6mm M4 Screws [Fig. 1], ensuring the nylon pillars do not loosen.
- 3, Remove plastic face plate.
- 4, Carefully move the internal reader coil which is tacked in place with sticky foam pads and a nylon pillar [Fig. 2].
- 5, Carefully remove the existing 40 pin firmware chip (U1) from its socket. [Fig. 3]. Lift the chip evenly holding both ends.
- 6, Put the replacement chip in to place. This chip is supplied in a socket to re-inforce the pins, place the chip and socket into the existing socket. Note the chips alignment, the notch faces downwards. Ensure all pins are correctly in place before attempting to power up the device.
- 7, Refit the coil in place, sticky foam pads are supplied. Refit the face plate and screws and power up the system.

***Proceed to re-programming instructions overleaf.***

Fig. 1

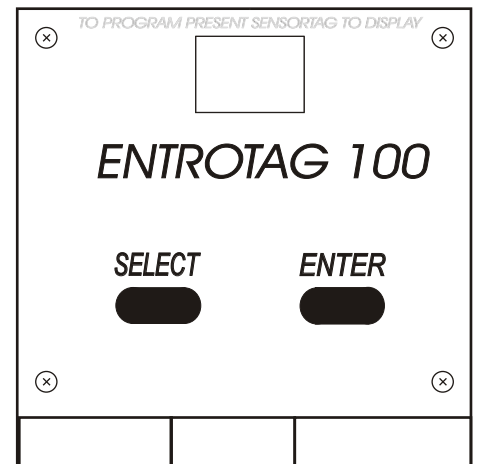


Fig. 2

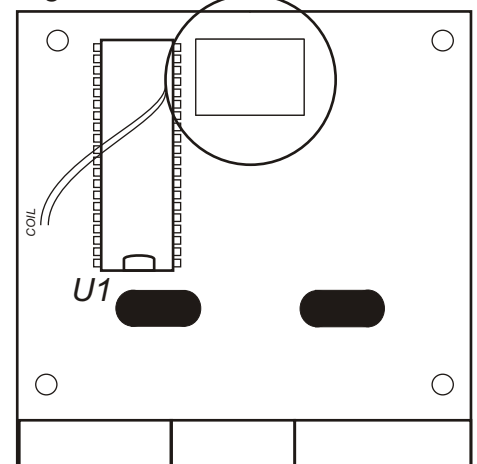
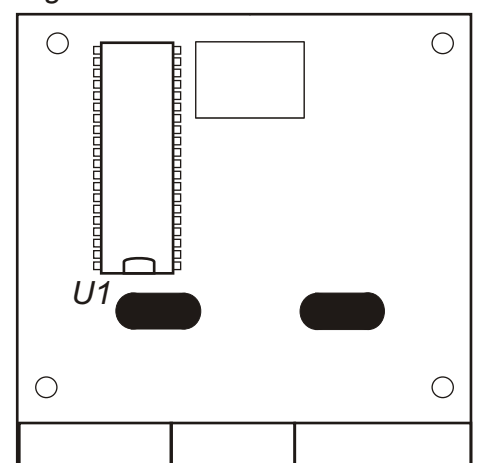


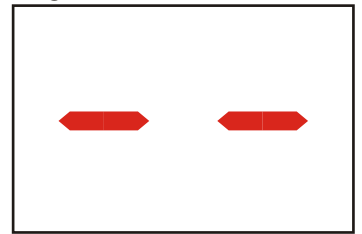
Fig. 3



## Reprogramming Master Keys

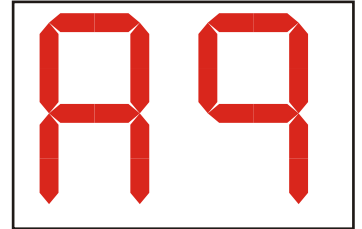
1, Press 'Enter' button. Two horizontal bars will be displayed [Fig. 4].

Fig. 4



2, Present the fob labeled A9 to the display. A9 will be displayed [Fig. 5], followed by D3 [Fig. 6]

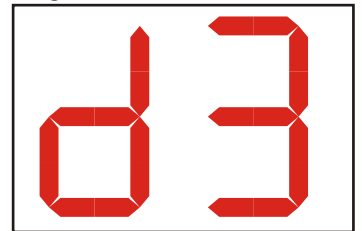
Fig. 5



3, Press 'Select' to scroll through the key slots until A0 is reached [Fig. 7].

4, Present the fob labeled A9 to the display again. The display will flash to confirm the fob has been read.

Fig. 6



5, Press 'Enter' to confirm. The controller will jump to the first empty user key slot.

6, Press 'Select' to scroll through the key slots until A1 is reached [Fig. 8].

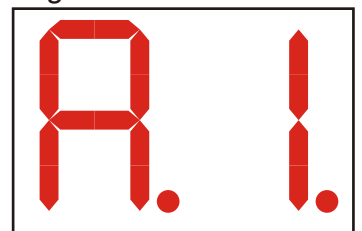
Fig. 7



7, Present the other fob to the display again. The display will flash to confirm the fob has been read.

8, Press 'Enter' to confirm. The controller will jump to the first empty user key slot.

Fig. 8



9, To quit programming mode, press and hold 'Select' then press 'Enter'. Programming mode will quit automatically after 30 second after the last button press.

***Refer to the Entrotec 100 installation manual for full programming instructions, which can be downloaded from the technical page on our website - [www.entrotec.co.uk](http://www.entrotec.co.uk)***



Manufactured in the UK

Version 1  
J.R. Grieve