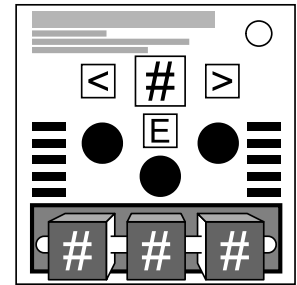# On the Subject of The Number Cipher

Nobody is quite sure why this thing resets every few seconds. It's probably for health and safety reasons.

- The module consists of three rotating numbered cubes, three coloured lights and an execution array.
- To disarm the module, input the correct digit into the array in accordance with the below Venn diagram and press the execute button.
- The number cipher will automatically reset every 20–40 seconds; the timer bars will activate 10 seconds prior to the reset.
- The reset will potentially change the light colours and rotate the numbered cubes.
- Inputting an incorrect digit will lock the module until the next reset and cause a strike.
- In the below Venn diagram, the three digits are referred to as a, b, and c.

$(a \times c) \% 10$

$(a \times b + c) \% 9$
$(9$ if $0)$

$(a + c) \% 10$

$(a \times b \times c) \% 9$
$(9$ if $0)$

$(a + b \times c) \% 9$
$(9$ if $0)$

$(b \times c) \% 10$

$(b - c) \% 10$

$(a + b + c) \% 9$
$(9$ if $0)$