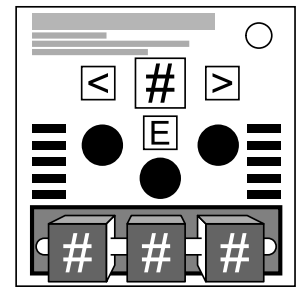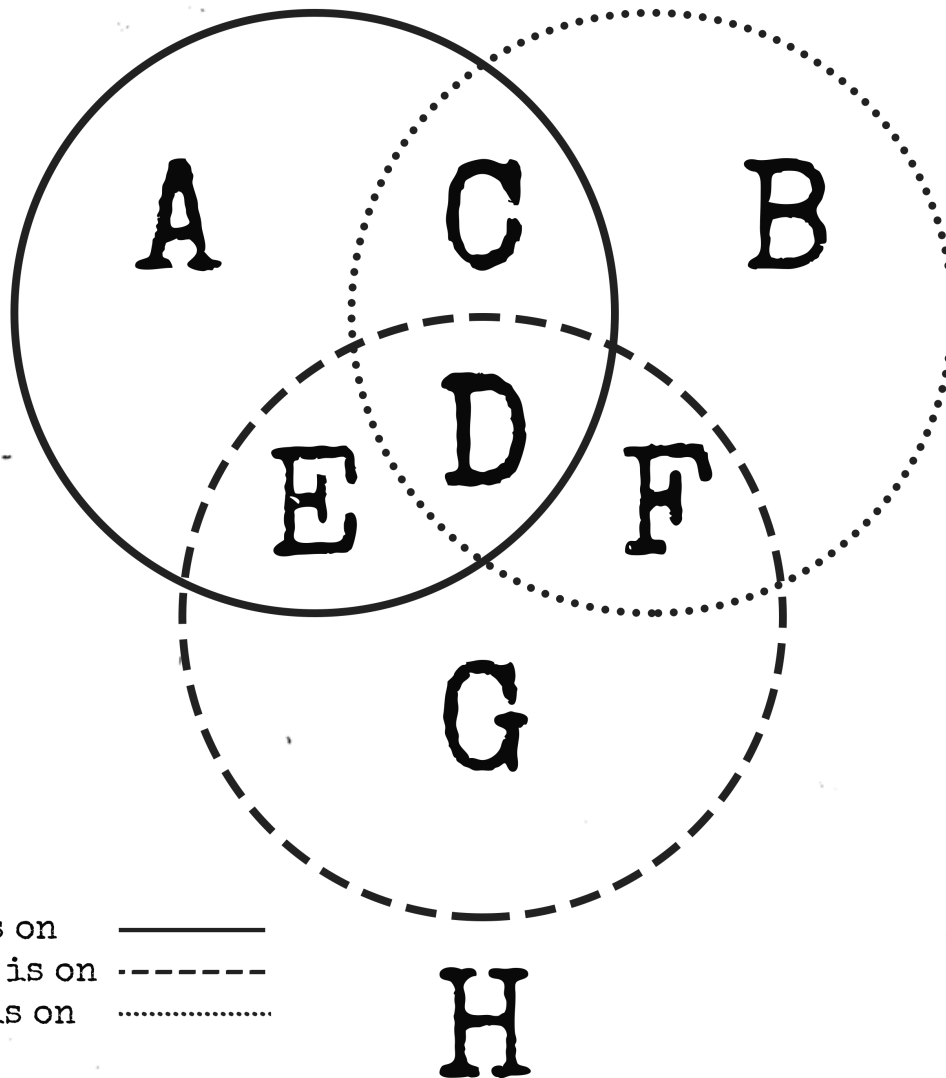# On the Subject of The Number Cipher

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 rules 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.
- Use the below Venn diagram and table to determine the correct digit.

A   C   B

E   D   F

G

H

Red is on   ————
Green is on   - - - - -
Blue is on   ·············

Letter	Formula	Letter	Formula
A	The digital root of the sum of X and the third digit, where X is the product of the first two digits	E	The digital root of the sum of X and the first digit, where X is the product of the second two digits
B	The first digit plus the two-digit number created by the second two digits, modulo 10	F	The two-digit number created by the first two digits, multipled by the third digit, modulo 10
C	The first digit multiplied by the two-digit number created by the second two digits, modulo 10	G	The two-digit number created by the first two digits, minus the third digit, modulo 10
D	The digital root of the product of the digits	H	The digital root of the full displayed number