# On the Subject of Two Knobs

You you spin spin me me right right round round...

- This module consists of a rotating grey knob and a white knob. The grey knob will have a number and a pointer on it while the white one will only have a pointer.
- The white knob can be turned to 8 different positions.
- The grey knob will spin by itself and change the number displayed by a certain interval. The number displayed will return to its lowest value once the knob has made one full rotation.
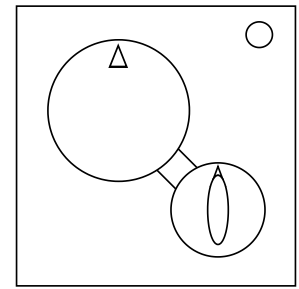
First, you need to calculate the digital key. This can be determined by the number on the grey knob along with the bomb's serial number.

Find the digital root of the sum of the numbers in your serial number. Then, add this number to the interval that the display number is changing by. Subtract 5 from this number until you get a number between 1 and 5, inclusive. If your digital key is 0, add 5.

Second, you need to calculate the countdown key. This can be determined using edgework and the table below.

Condition	Number to be added to average
> 2 batteries	0
lit FRK present	1
Serial port present	2
last # in serial number is odd*	3
D batteries > AA batteries	4
unlit BOB present	5
lit BOB present	6
Parallel port present	7
no batteries	8
> 2 port plates	9

*If there are no numbers in your serial number, do not consider this row.

Take the average of the numbers you obtained (sum / # of true rows). Remove any decimals or remainders. If no rows apply, your countdown key is 0.

Finally, click the grey knob to put the module into its active state. Once you do this, the number displayed will turn red and continuously rise by one. It does not count past 5 and instead loops back to 1.
The white knob should only be turned <u>anytime the number displayed is the digital key</u> OR <u>the timer's rightmost digit is the countdown key</u>. Turning it at any other time will incur a strike and will reset the module back to its normal state. The interval does not change.
Once you turn the white knob 8 times, the module will solve.

Note: There is a small delay after turning a knob that ensures you cannot click it twice in rapid succession.