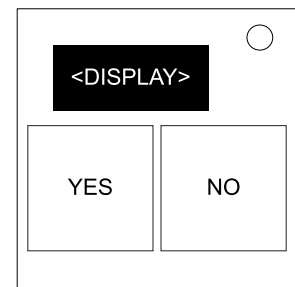# On the Subject of Color Flash

It's easy to identify colors. Red, Blue, Green, etc. Turns out it's a bit harder when you display a word color in a different color though...

- A color flash module will repeatedly flash a sequence of 8 different words representing colors in different colors.
- The possible colors are Red, Yellow, Green, Blue, Magenta and White.
- There is also a Yes button and a No button on the module.
- Only <u>one</u> of the Yes and No buttons need to be pressed to disarm the module, but must be pressed at the correct time according to the rules below.
- The color of the last word in the sequence determines which set of rules to follow below.
- Follow the rules down from the top-most rule, down to the bottom-most rule for the block that applies to your module.

Red	
Green used at least 3 times.	Yes on 3rd Green.
Blue once	No on Magenta.
Yes on last white.	
Yellow	
Blue	First word.
White or White	Yes on 2nd time the color mismatches the word.
No based on how many Magenta there is.	
Green	
Consecutive word in different colors.	No on 5th.
Magenta used at least 3 times.	No on 1st Yellow.
Yes on color matches word.	
Blue	
Color doesn't match word at least 3 times.	Yes on 1st time the color mismatches the word.
Red or Yellow	No on White.
Yes on last Green.	

Continuation of previous table...

Magenta	
Consecutive word in different colors.	Yes on 3rd.
Yellow > word.	No on last Yellow.
No on first time color matches word of 7th entry.	
White	
Color of the 3rd matches the word of the 4th or 5th.	No on first time Blue.
Yellow	Yes on last word.
No on any.	