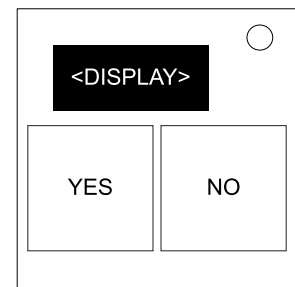


## On the Subject of Color Flash

*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 one 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.



### The color of the last word in the sequence is Red:

If **Green** is used as the **word** at least **three times** in the sequence, press **Yes** on the **third** time **Green** is used as **either** the word or the color of the word in the sequence.

Otherwise, if **Blue** is used as the **color** of the word **exactly once**, press **No** when the **word Magenta** is shown.

Otherwise, press **Yes** the **last time White** is **either** the word or the color of the word in the sequence.

### The color of the last word in the sequence is Yellow:

If the word **Blue** is shown in **Green** color, press **Yes** on the **first** time **Green** is used as the **color** of the word.

Otherwise, if the word **White** is shown **in** either **White or Red** color, press **Yes** on the **second** time in the sequence where the color of the word **does not match** the word itself.

Otherwise, count the **number of times Magenta** is used as **either** the word or the color of the word in the sequence (the word Magenta in Magenta color only counts as one), and press **No** on the color in the **total's position** (e.g. a total of 4 means the fourth color in sequence).

Continuation of previous table...

**The color of the last word in the sequence is Green:**

If a **word** occurs **consecutively** with **different colors**, press **No** on the **fifth** entry in the sequence.

If **Magenta** is used as the **word** as least **three times** in the sequence, press **No** on the **first** time **Yellow** is used as **either** the word or the color of the word in the sequence.

Otherwise, press **Yes** on any color where the color of the word **matches** the word itself.

**The color of the last word in the sequence is Blue:**

If the **color** of the word **does not match** the word itself **three times** or more in the sequence, press **Yes** on the **first** time in the sequence where the color of the word **does not match** the word itself.

If the word **Red** is shown **in Yellow** color, or the word **Yellow** is shown **in White** color, press **No** when the word **White** is shown **in Red** color.

Otherwise, press **Yes** the **last** time **Green** is **either** the word or the color of the word in the sequence.

**The color of the last word in the sequence is Magenta:**

If a **color** occurs **consecutively** with **different words**, press **Yes** on the **third** entry in the sequence.

If the **number of times** the **word Yellow** appears **is greater** than the **number of times** that the **color** of the word is **Blue**, press **No** the **last time** the **word Yellow** is in the sequence.

Otherwise, press **No** on the **first** time in the sequence where the **color** of the word **matches** the **word** of the **seventh entry** in the sequence.

**The color of the last word in the sequence is White:**

If the **color** of the **third word** matches the **word** of the **fourth word or fifth word**, press **No** the **first** time that **Blue** is used as the **word or the color** of the word in the sequence.

If the word **Yellow** is shown **in Red** color, press **Yes** on the **last time Blue** is used as the **color** of the word.

Otherwise, press **No**.