

On the Subject of Resisting Resistors

At least you don't have to worry about current and voltage!

Note: For use by those familiar with the original manual. Contact Nanthelas on Discord with any corrections.

First Number	Last Number	Primary Connection
Even	Even	A-C
Even	Odd	A-D
Odd	Even	B-C
Odd	Odd	B-D

Color	First Band	Second Band	Multiplier
Black	0	0	1Ω
Brown	1	1	$10^1\Omega$
Red	2	2	$10^2\Omega$
Orange	3	3	$10^3\Omega$
Yellow	4	4	$10^4\Omega$
Green	5	5	$10^5\Omega$
Blue	6	6	$10^6\Omega$
Violet	7	7	$10^7\Omega$
Gray	8	8	—
White	9	9	—
Gold	—	—	0.1Ω
Silver	—	—	0.01Ω

- Multiply **TR** by 10 for each battery, max 10^6 .
- If **TR** = 0; no resistor.
- If **TR** = R_x ; go through R_x .
- If **TR** > R_1, R_2 ; series.
- If **TR** < R_1, R_2 ; parallel.
- **LIT FRK** = connect outputs together.
- Otherwise, **at least 1 D cell** = secondary to secondary, no resistor.