

TBM-850 Overhead Panel – Important Information

Please note that there are no internal resistors fitted to the three illuminated rocker switches on the left of the panel. Because of this, you will need to make sure that resistors are fitted externally when you wire these switches to your interface.

The specifications for the LEDs contained in these three rocker switches are as follows:

- Forward Current = 20mA
- Forward Voltage = 2.0V
- Luminous Intensity = 30mcd

LED Resistor Recommendations for Different Supply Voltages:

We recommend the following resistor values to safely operate your LED based on different supply voltages:

- 3V Supply: Use a 47 Ω resistor.
- 5V Supply: Use a 150 Ω resistor.
- 12V Supply: Use a 470 Ω resistor.

Important Caution:

While these resistor values should work well in most cases, we strongly recommend testing the circuit to ensure proper operation. Variations in the actual LED specifications, such as slight differences in forward voltage or current, can affect the performance. Always measure the current through the LED to make sure it does not exceed the LED's rated forward current (20mA). If needed, adjust the resistor values accordingly to maintain safe operation and avoid damaging the LED.

Please exercise caution when testing and always verify the voltage and current in the circuit before finalising your setup.

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