The pull-up resistor Rp is optional and recommended if there is a few cm of cable between board and button.

The voltage for the relay coil depends on the supply voltage (RAWDC) used to power the board. Use a 5V–6V relay and add resistor Rr if the supply voltage is higher than 6.5V.

Example:
5–6.5V Rr=0, 7–9V Rr=47 Ohm, 10–12V Rr=68 Ohm

The exact value depends on the type of relay. Try different values between 22 Ohm and 150 Ohm.