

1. Basic On/Off Control

This example demonstrates how to turn a motor on and off using a start and stop button.

Components:

- Start button (NO contact)
- Stop button (NC contact)
- Seal-in circuit (latching relay)
- Motor coil

Implementation Steps:

- Place a NO contact representing the Start button.
- Connect it to a coil that energizes a relay.
- Use a NC contact of the same relay to maintain a latch (seal-in) circuit.
- Connect the Stop button in series to de-energize the relay.
- Connect the motor coil to the relay output.

Result:

Pressing the Start button energizes the relay, turning the motor on. The relay remains energized via the seal-in contact until the Stop button is pressed, breaking the circuit.

