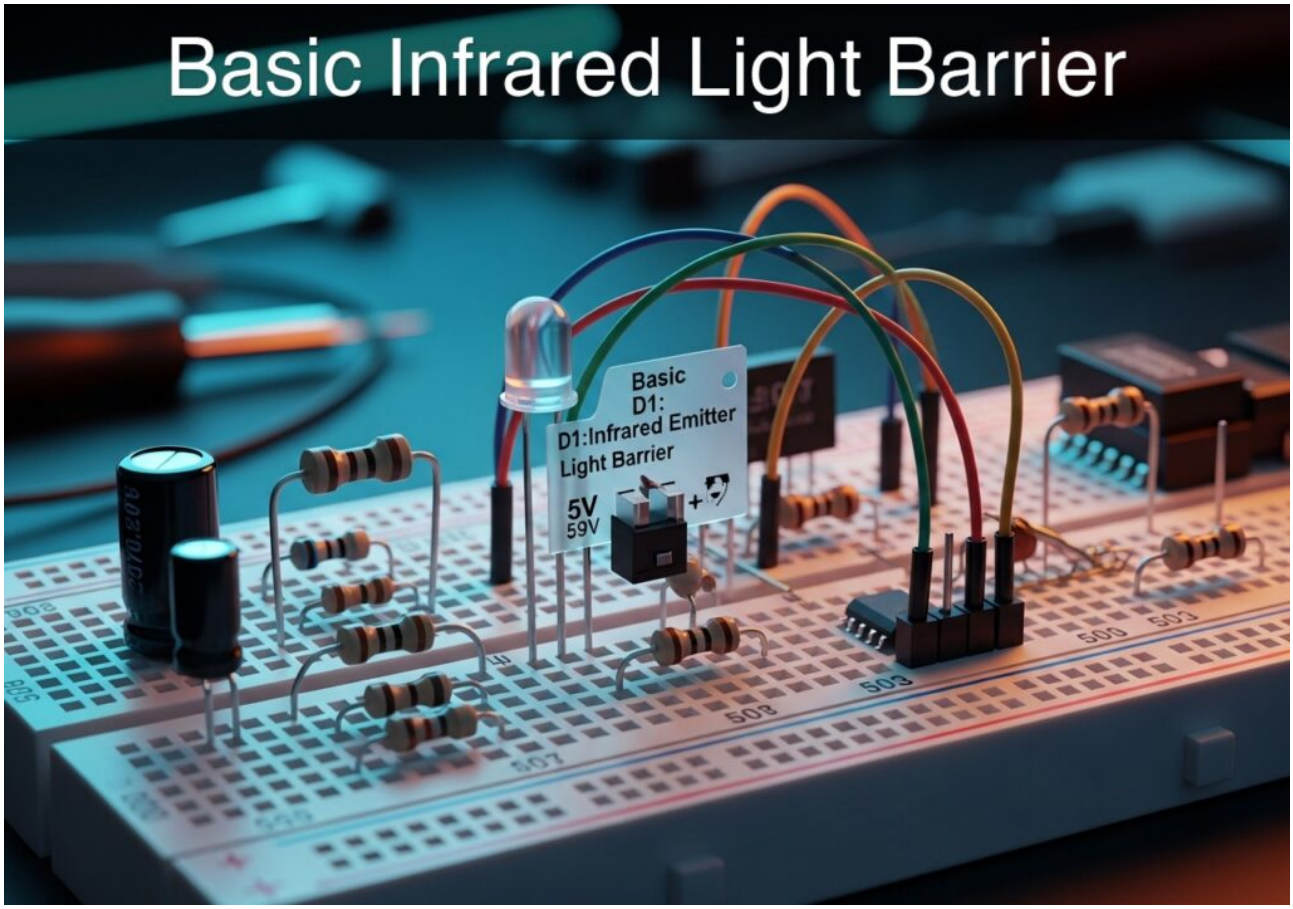
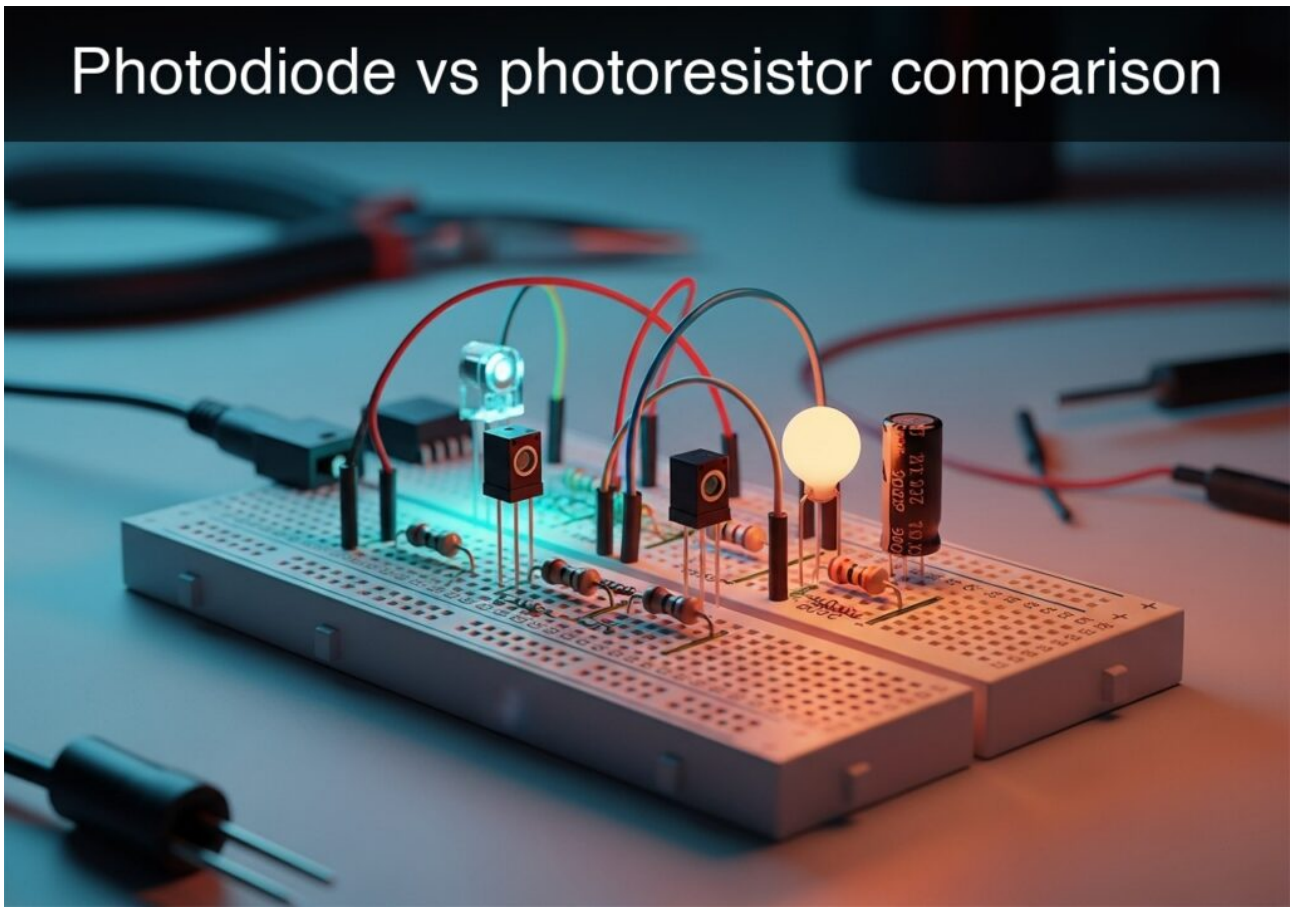
Practical case: Basic Infrared Light Barrier



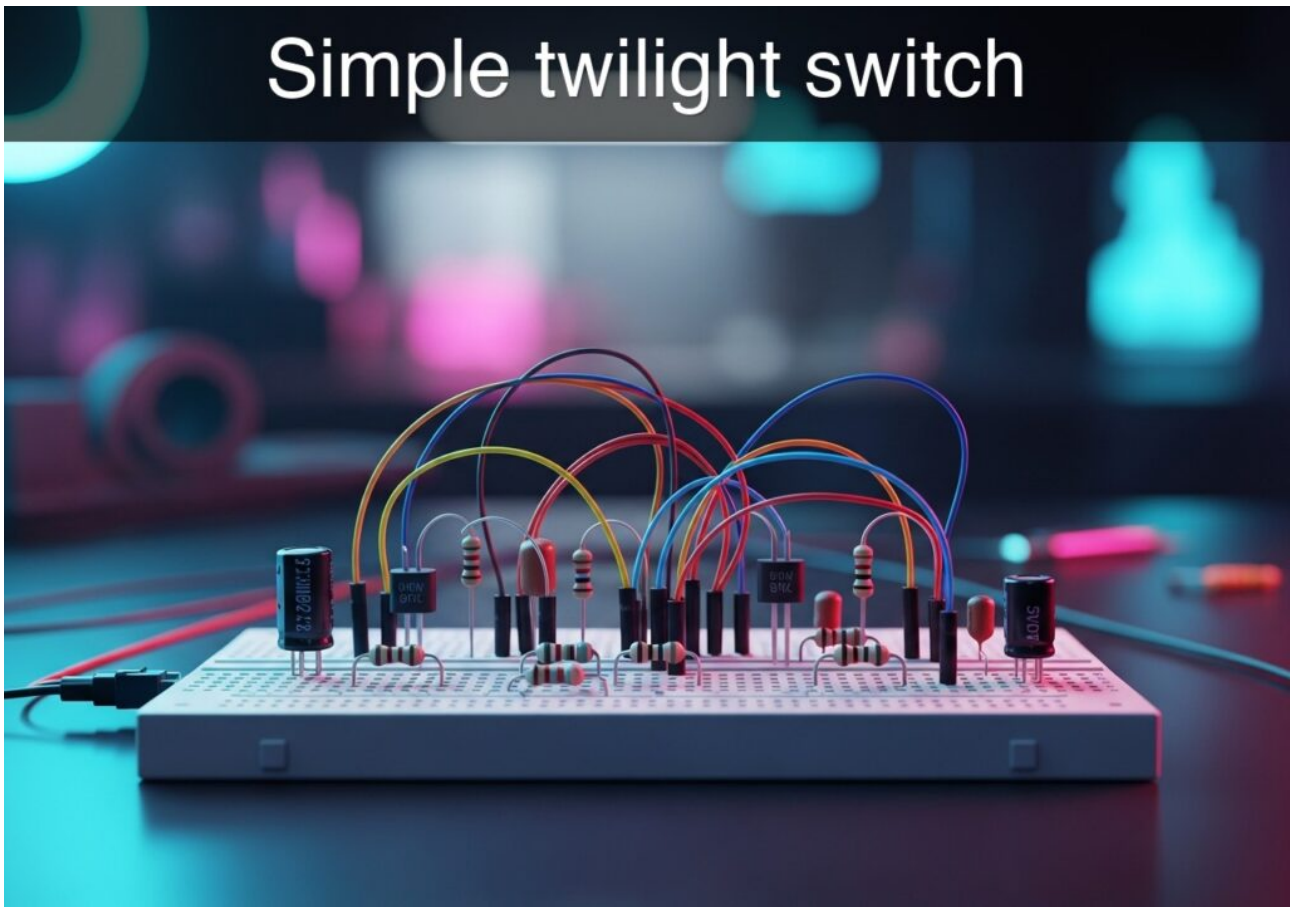
Master Analog Electronics by building a light beam alarm. Use a Photodiode to detect interruptions and trigger a 0.7V signal that lights up a security LED.

Practical case: Photodiode vs photoresistor comparison



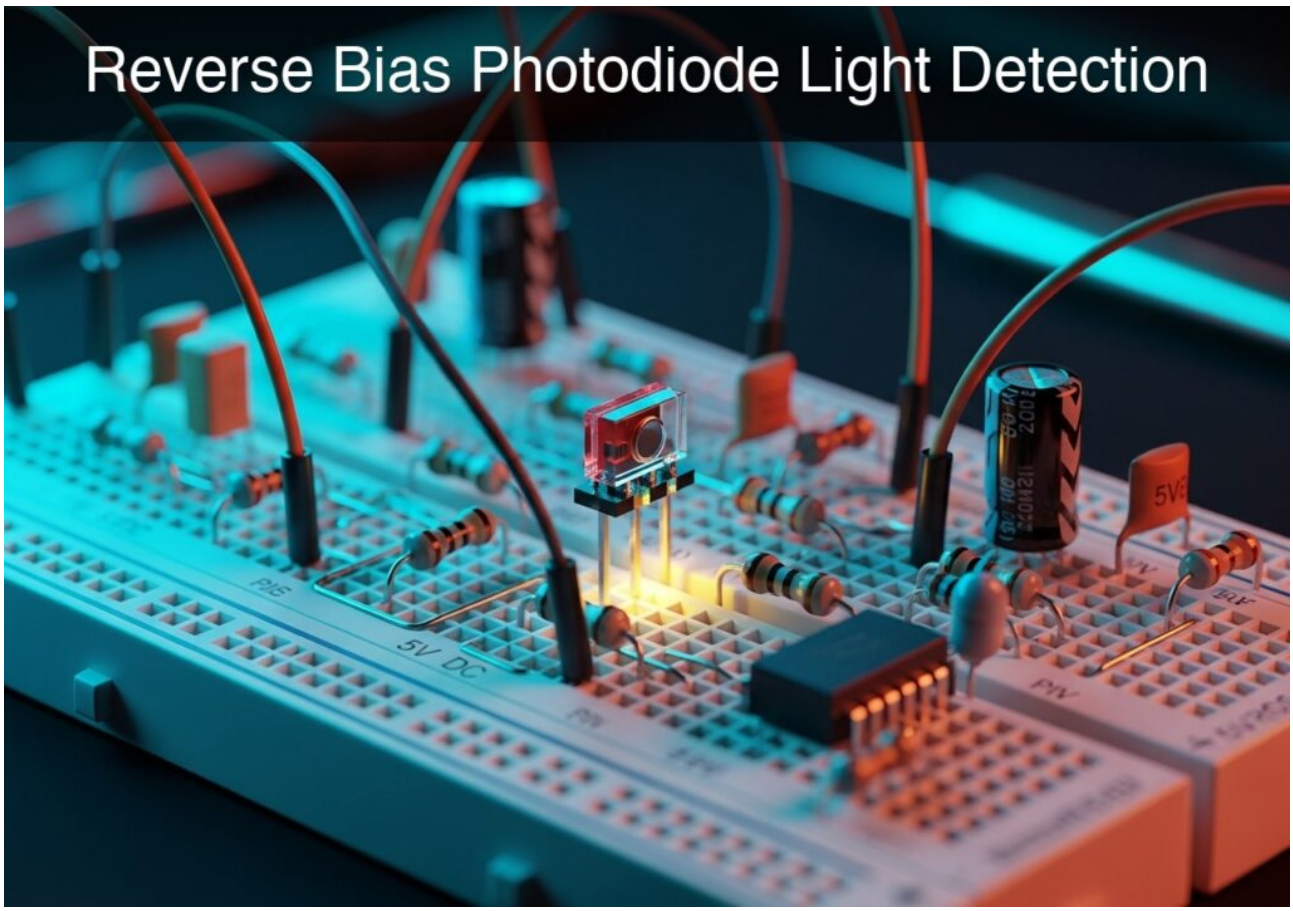
Master Analog Electronics by comparing sensor speeds. Build a circuit using a Photodiode and LDR to observe sharp square waves versus slow voltage curves.

Practical case: Simple twilight switch



Learn Analog Electronics by building a dark sensor circuit. Use a Photodiode to switch an LED on when light drops, mastering transistor switching logic.

Practical case: Reverse Bias Photodiode Light Detection



Master Analog Electronics by building a light sensor circuit using a reverse-biased Photodiode. Measure linear voltage changes based on light intensity.