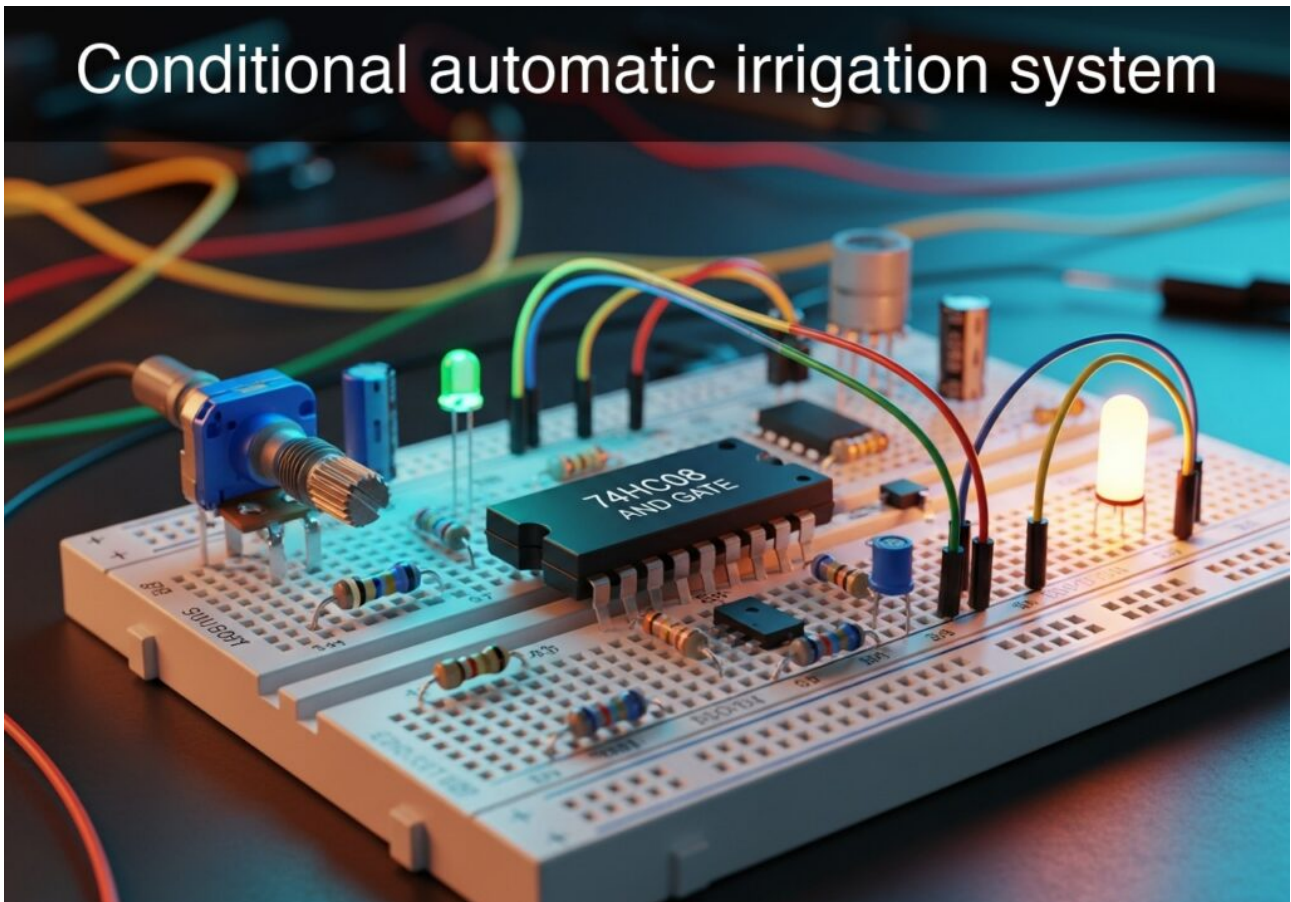


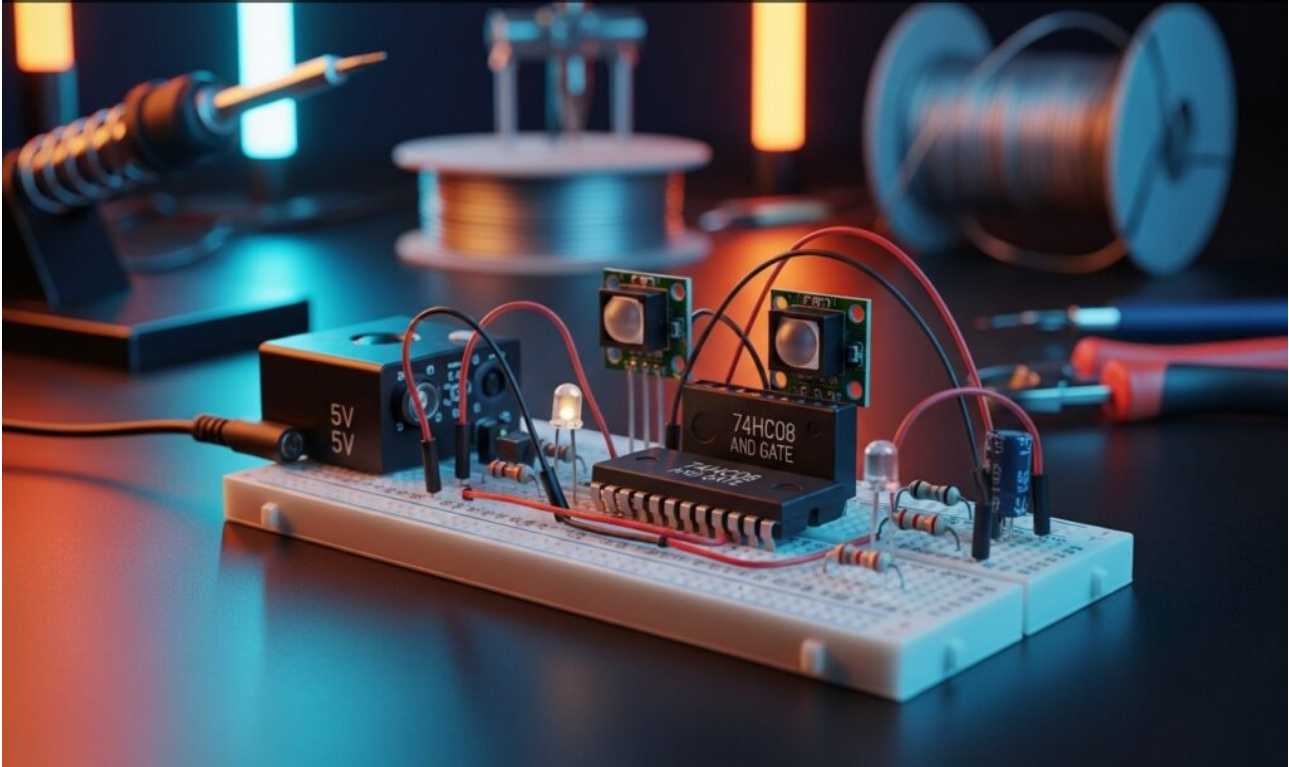
Practical case: Conditional automatic irrigation system



Master Digital Electronics by building a smart irrigation controller with a 74HC08 AND gate. Create a safety circuit that activates a pump only when safe.

Practical case: Dual sensor alarm activation

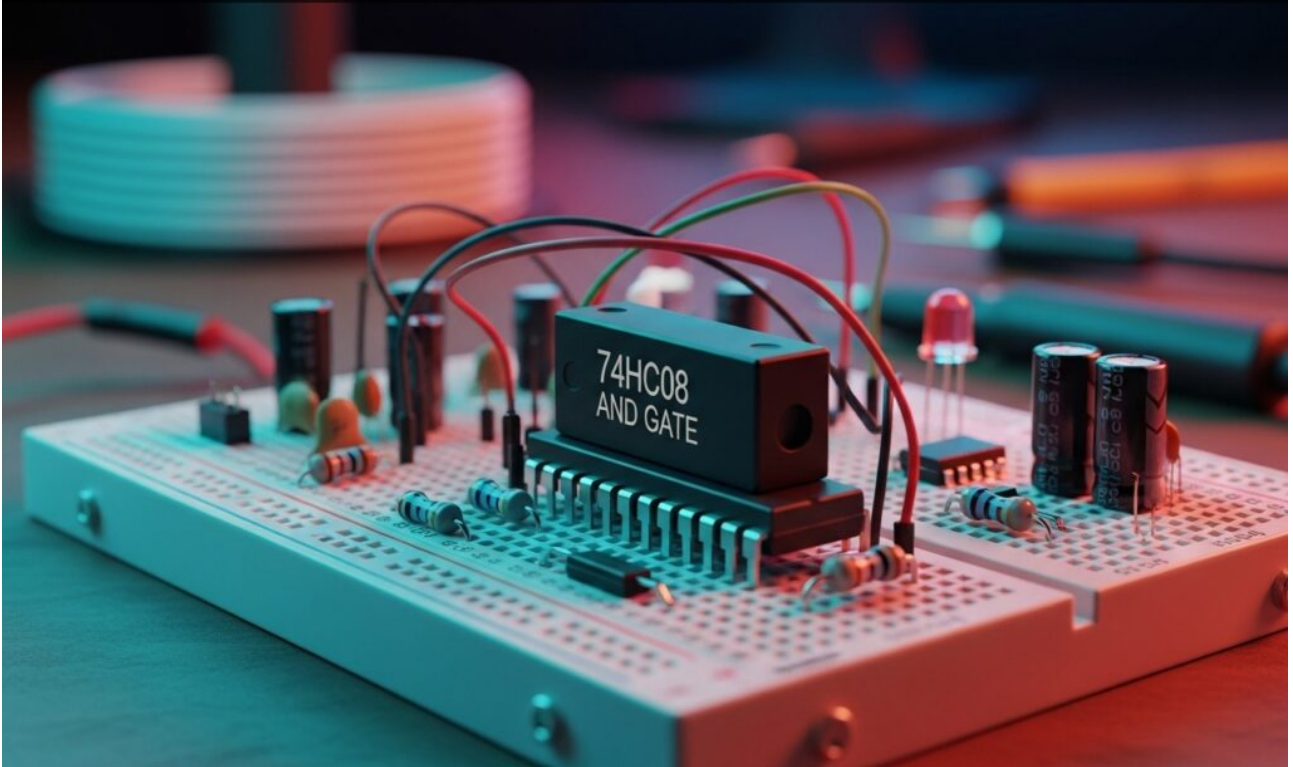
Dual sensor alarm activation



Master Digital Electronics by building a dual-sensor security alarm. Learn how an AND gate validates simultaneous inputs to trigger a verified output signal.

Practical case: Safe Hydraulic Press Control

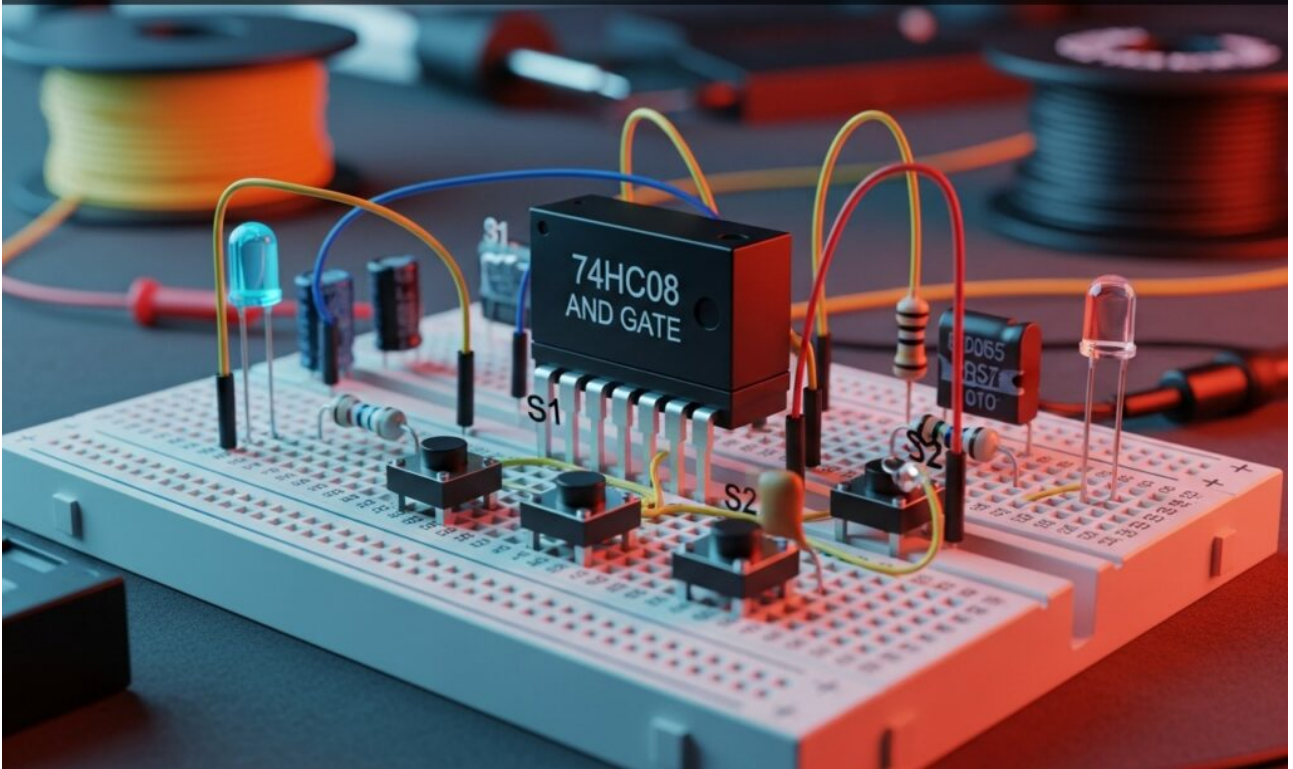
Safe Hydraulic Press Control



Master Digital Electronics by building a two-hand safety circuit using an AND gate. Ensure the LED load activates only when two inputs trigger simultaneously.

Practical case: Double Key Security System

Double Key Security System



Master Digital Electronics by building a dual-key security alarm with an AND gate. Learn to control logic signals and activate an LED only when inputs match.