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# APPLICATION NOTE

AN-55

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## ES240-110 Sensor Type Applications

### Suggested Applications for Commonly used Sensors

This note describes applications for using the Easyswitch with a variety of sensors to switch mains power.

Fixed temperature switch

Power and noise control of rack mount cooling fans around 33C switch point.

Adjustable temperature switch

User adjustable bimetallic strip, 0C to 100C for Process and industrial control.

“Daylight” photocell switch

Power appliances, lights etc. under control of ambient light conditions.

Liquid level float switch

Control pumps when a liquid level falls too low or reaches full.

Optical dust sensor

Air quality sensor, designed to sense dust/steam particles in air purifier systems

Hall Effect metal sensor

A robust means of presence detection by magnetic proximity means

Piezo Vibration Sensor

vibration and shock detection. Power down motors, pumps etc. before damage.

Water presence detector

Operate irrigation equipment, motorised awnings etc. based on rainfall.

PIR motion sensor

Control lighting, alarms, motors etc. based on nearby people movement

Load sensor

Strain Gauge Weight Sensor for process and industrial batch control