

What does photocell photosensitive crystal mean

What does a photocell do?

Photoelectric cell or photocell is a device which converts light energy into electrical energy. It works on the principle of the photoelectric effect. The different types of photocells: What is a photocell?

What are photocells called?

Photocells are also called by many other names including photoconductive cells, light-dependent resistors (LDR's), and photoresistors. They are variable resistors with an extremely wide range of resistance values (up to hundreds of orders of magnitude) that are dependent on the level of incident light.

Can photocells detect other types of energy?

A: Photocells are specifically designed to detect light and changes in light intensity. They convert light energy into electrical energy through the photoelectric effect. As such, photocells are not capable of directly detecting other types of energy like sound or heat.

How do Photocell sensors work?

Photocell sensors work like a timer switch in that they power light fixtures off and on automatically during a set "time". They work a little bit differently though than timer switches because photocell sensors sense the natural light of the sun for controlling artificial light output from lighting fixtures. How Does A Photocell Sensor Work?

How do you know if a photocell is responsive to light?

Observe the reading on the multimeter as the photocell is exposed to the light. The resistance value should decrease significantly compared to the dark resistance value previously measured. This decrease in resistance indicates the photocell's responsiveness to light.

What is a photoconductive cell used for?

Uses: Photoconductive cells have been used for detecting ships and aircrafts by the radiations given out by their exhausts or funnels and for telephony by modulated infrared light. Photoelectric cell or photocell is a device which converts light energy into electrical energy. It works on the principle of the photoelectric effect.

Photoelectric emission. The work function F , or threshold energy, of a material, is defined as: The minimum energy required to release a photoelectron from the surface of ...

A photocell sensor is an electrical device that hooks up and communicates with a transformer. Photocell sensors work like a timer switch in that they power light fixtures off ...

The sensor's output is the signal from the sensor to the PLC. Depending on the sensor, the output can be a

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positive signal or a negative signal.

Looking for online definition of photosensitive in the Medical Dictionary? photosensitive explanation free. What is photosensitive? Meaning of photosensitive medical term. What does photosensitive mean?

Sensitivity The sensitivity of a photodetector is the relationship between the light falling on the device and the resulting output signal. In the case of a photocell, one is dealing with the ...

What does the adjective photosensitive mean? There are two meanings listed in OED's entry for the adjective photosensitive. See "Meaning & use" for definitions, usage, and quotation evidence. photosensitive has developed meanings and uses in subjects including . optics ...

Selenium is a semiconductor and is used in photocells. Applications in electronics, ... monoclinic crystal symmetry (space group 14) and contain nearly identical puckered cyclooctaselenium ... (Greek selini selene meaning ...

The resistance of photosensitive resistors is very high in the condition of no light. The stronger the light, the smaller the resistance. By measuring the voltage variation on ...

Bypassing the photocell allows the luminaire to remain continuously on or be controlled by an existing switch or timer. The method of bypassing depends on the type of ...

What is Photocell? A photocell can be defined as; it is a light-sensitive module. This can be used by connecting to an electrical or electronic circuit in an extensive range of applications like sunset to sunrise lighting that ...

A photocell is essentially a light-sensitive resistor whose resistance changes depending on how much light shines on it. It's a key component in many light-sensing ...

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