

Light Sensor

Easy to operate and install.



Reliability

The Agrologic Light Sensor operates using an LDR (Light Dependent Resistor) sensor. The controller converts the resistance from the LDR into a digital value, typically ranging from 0 to 100.

High readings indicate bright daylight conditions.

Low readings correspond to reduced light levels within the shed.

Benefits of implementing a light sensor solution:

- **Reduced electricity consumption** - Lighting operates only when necessary, optimizing energy use.
- **Consistent brightness maintenance** - The system adapts seamlessly to variations in weather and daylight, such as cloud cover, sunrise, or sunset.
- **Enhanced animal welfare** - Animals benefit from steady lighting conditions, minimizing abrupt changes.
- **Prolonged lamp service life** - Reduced operational hours decrease wear and extend bulb longevity.

Configuration options for users include:

Maximum light level: If natural illumination exceeds this threshold, the system will automatically switch the lights OFF.

Minimum light level: If ambient lighting falls below this limit, the controller will turn the lights ON.

- Control logic for ON/OFF operation.
- When natural light is sufficient (above the maximum threshold):
 - The controller turns off the lighting, resulting in electricity savings and maximizing the use of available daylight.
- When natural light is insufficient (below the minimum threshold):
 - The controller turns on the lighting, ensuring consistent illumination levels for animals.

Website



Product



Contact us



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