

Analog Light Sensor

Data Sheet

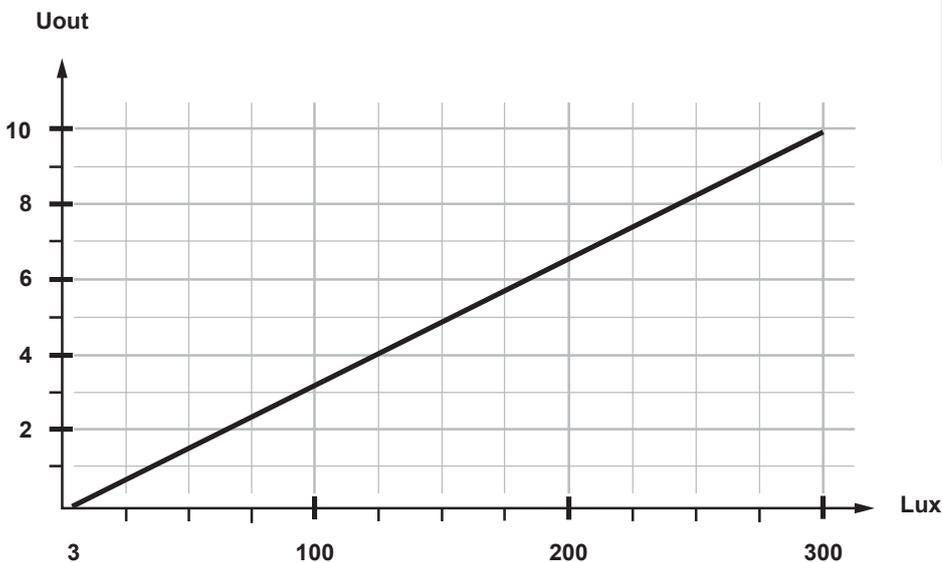
Description

The analog light sensor is used with GridLight™ to ensure the light is turned on safely when the weather requires it. So with the build in programs in the AmsCPU/AmsCPU-IO combining astronomical calculations with the weather condition will bring the highest comfort and safety throughout the city. The analog light sensor may be programmed to disregard any commands from the light sensors until, e.g. one hour before sunrise and sunset. This will ensure that the street light cannot be turned off in the night if someone tampers with the light sensors.

With GridLight™ only a few strategically placed light sensors are necessary for an entire city. Put a light sensor in each area of the city where weather changes individually. Such areas can be a hilly suburb, the harbour/waterfront and so on. GridLight™ will manage to turn on/off all the lights in the area according to the corresponding light sensors (combined with the astronomical calendar and the programming you have set up). Having typically less than 5 would normally cover even larger cities.

Not having a light sensor in each cabinet is a great saving with regard to keeping the sensors clean and functional. But more important malfunctioning and dirty light sensors causes the light to turn on too early and off too late. This gives too many burn hours and wastes energy. Amplex has retrofitted many cities with light sensors on each cabinet reducing them to less than a handful. The result has been 8-15% savings.

Graph



Technical Specifications

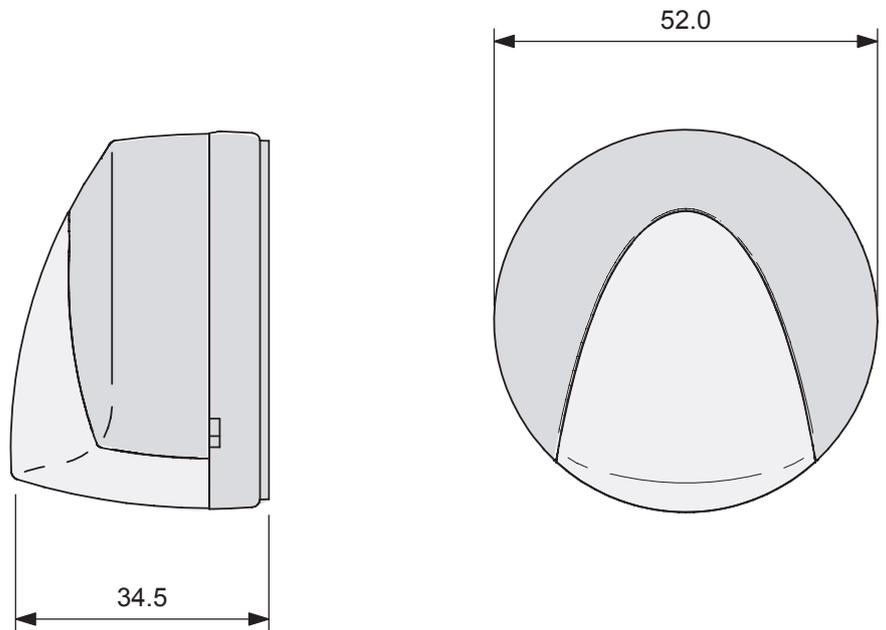
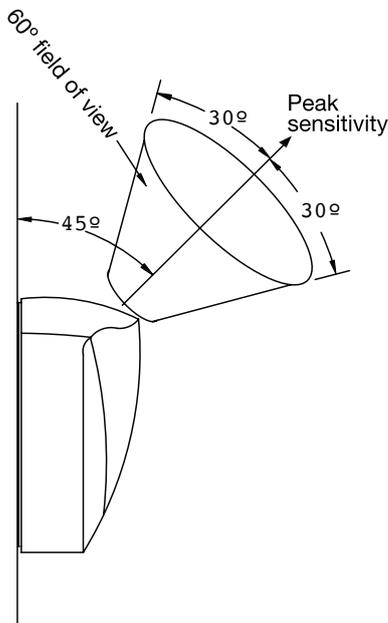
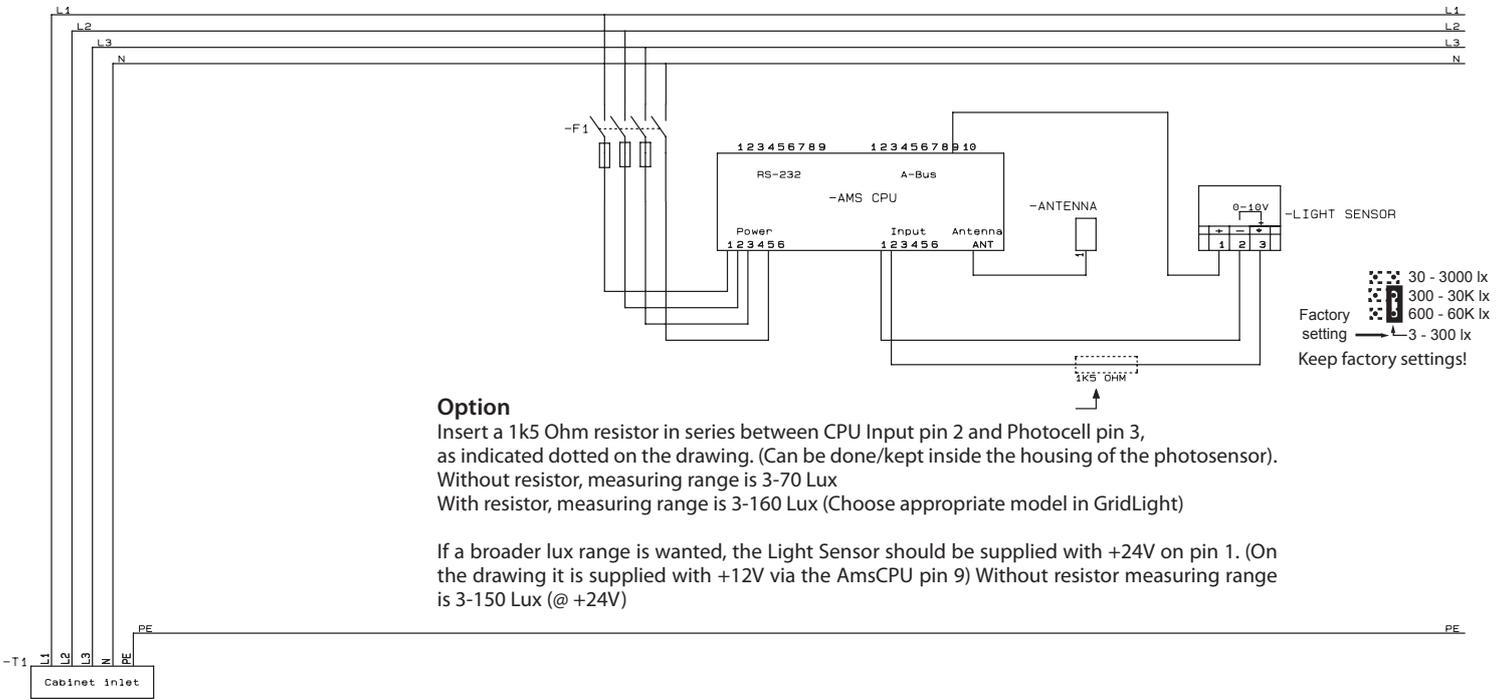
Operational specifications

Operating temp.	-40°C to +50°C
IP grade	IP54
Supply voltage	24 VDC
Output voltage	0-10V
Lux ranges	3..300 lux
Connection type	Screw terminals

Analog Light Sensor



Installation



Ordering Information

Product	Order number
Analog Light Sensor	250-40-000
AmsCPU-IO	100-10-002
AmsCPU	100-10-001
Resistor for analog light sensor	250-30-020