



## PHOTOCELL MODULE

### Description

#### Features:

- Can detect ambient brightness and light intensity
- Adjustable sensitivity (via blue digital potentiometer adjustment)
- Operating voltage 3.3V-5V
- Output Type
  - Analog voltage output -A•
  - Digital switching outputs (• and \) -D•
- With fixed bolt hole for easy installation
- Small board PCB size: 3cm \* 1.6cm
- Power indicator (red) and the digital switch output indicator (green)
- Using LM393 comparator chip, stable

#### Pin outs:

- External 3.3V-5V VCC
- External GND GND
- DO digital output interface, a small plate (• and \)
- AO small board analog output interface
- 电源指示/PWR- Power Indicator, 开关指示/SIG – Status indicator

#### How to use:

- Photosensitive resistor module most sensitive to environmental light intensity is generally used to detect the ambient brightness and light intensity.
- Module light conditions or light intensity reach the set threshold, DO port output high, when the external ambient light intensity exceeds a set threshold, the module D• output low;
- Digital output D• directly connected to the MCU, and detect high or low TTL, thereby detecting ambient light intensity changes;
- Digital output module DO can directly drive the relay module, which can be composed of a photoelectric switch;
- Analog output module AO and AD modules can be connected through the AD converter, you can get a more accurate light intensity values