

# Unit OP180

SKU:U058



Angle 180°



PortB  
INTERFACE



**ITR9606**  
Infrared  
photoelectric  
switch sensor



## Description

**Unit OP180** is a 180° non-contact photoelectric limit switch. The unit has an infrared transmitter and receiver located on opposite sides. During normal operation, the transmitter continuously emits an infrared signal to the receiver. When an object passes between them and blocks the infrared signal, the output terminal will generate an action signal to detect the object's passage. It is commonly used in mechanical control systems as a safety interlock or a photoelectric counter.

## Features

- Angle: 180°
- Infrared limit switch

## Includes

- 1 x Unit OP180
- 1 x HY2.0-4P Grove Cable (20cm)

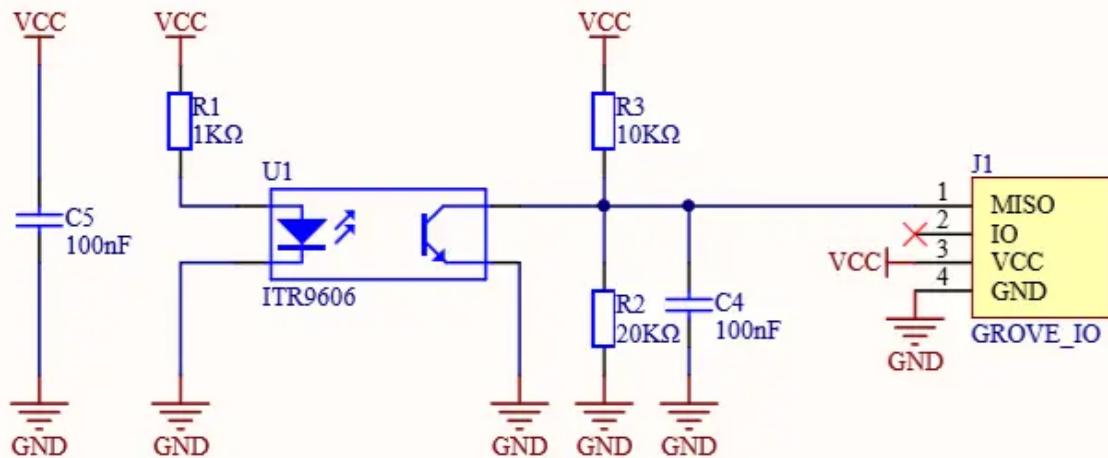
## Applications

- Automatic doors
- Automated mechanical control

## Specifications

Specification	Parameter
Operating Temperature	0 ~ 40°C
Product Size	36.0 x 24.0 x 8.8mm
Product Weight	4.5g
Package Size	138.0 x 93.0 x 9.8mm
Gross Weight	10.0g

## | Schematics

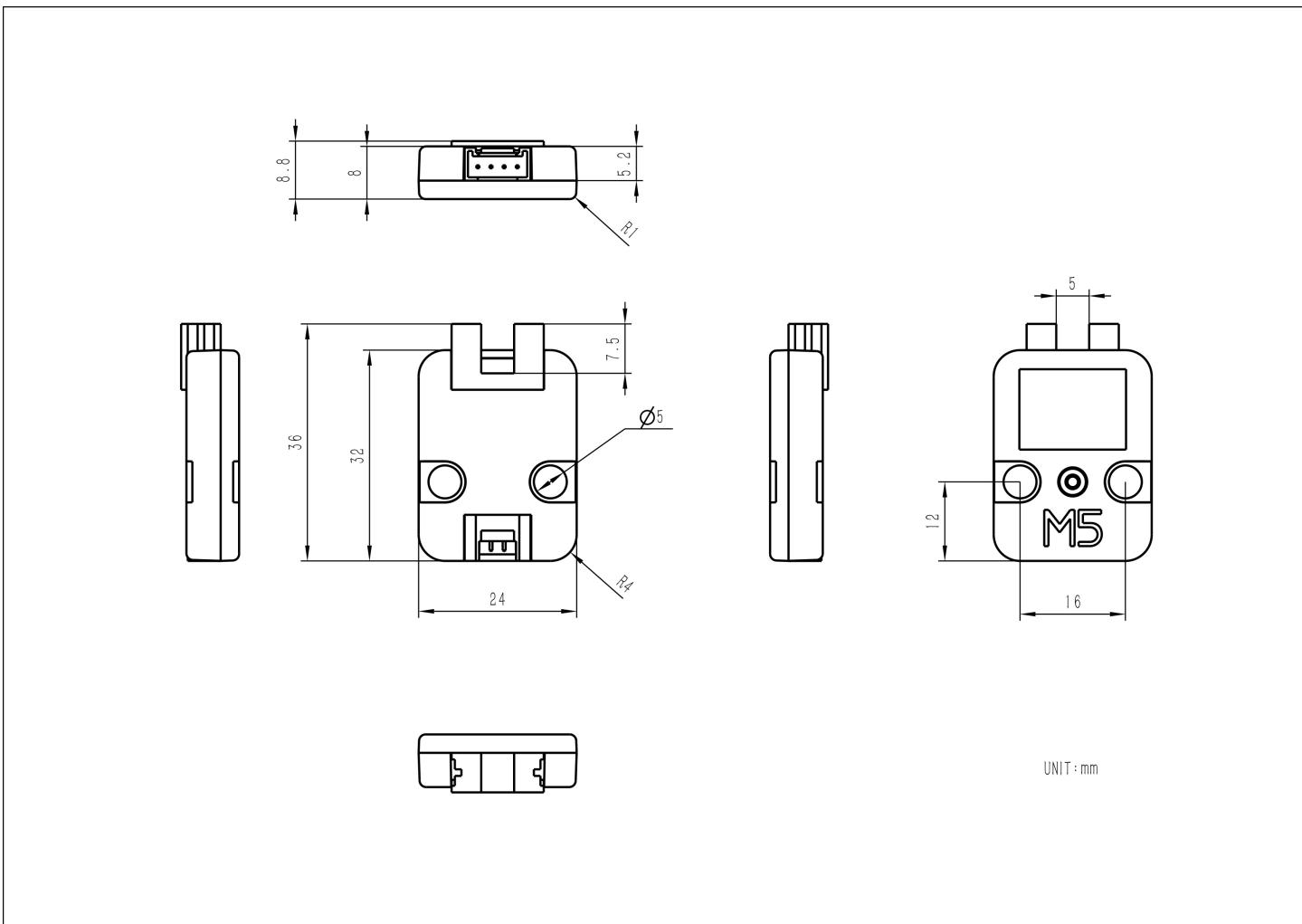


# PinMap

## Unit OP180

HY2.0-4P	Black	Red	Yellow	White
PORT.B	GND	5V	NC	Digital Output

## Model Size



## Softwares

### Arduino

- [Unit OP180 Test Example](#)

### UiFlow2

- [Unit OP180 UiFlow2 Docs](#)

### EasyLoader

Easyloader	Download	Note
Unit OP180 Test Easyloader	<a href="#">download</a>	/

## Video

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- o Unit OP.180 Example

[OP90\\_UNIT.MP4](#)