

Grove - Digital Distance Interrupter 0.5 to 5cm(GP2Y0D805Z0F)

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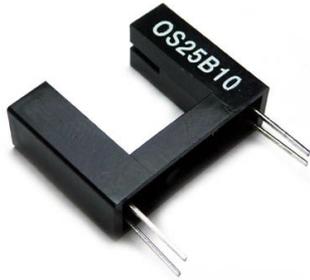


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Description

Grove - Digital Distance Interrupter 0.5 to 5cm is an infrared proximity sensor module based on GP2Y0D805Z0F. Normally the output of this sensor is 1(High), when the object enters the measurement range of the sensor, it will be triggered and output a 0(LOW).At the same time the on-board LED will light up. As the name suggests, the measurement range is from 0.5cm to 5cm.

There are two types of Grove - Digital Distance Interrupter 0.5 to 5cm: Grove - Digital Distance Interrupter 0.5 to 5cm(GP2Y0D805Z0F) and Grove - Digital Distance Interrupter 0.5 to 5cm(GP2Y0D805Z0F)(P). For the version without letter P, the lens and the grove interface are at the same side; for the version with letter P, the lens and the grove interface are at the different sides. If you want the lens and the grove interface are at the different side, please click the [Grove - Digital Distance Interrupter 0.5 to 5cm\(GP2Y0D805Z0F\)\(P\)](#)

GP2Y0D805Z0F is a distance measuring sensor unit, composed of an integrated combination of PD(photo diode) , IRED (infrared emitting diode) and signal processing circuit. The variety of the reflectivity of the object, the environmental temperature and the operating duration are not influenced easily to the distance detection because of adopting the triangulation method.

Features

- Easy to use
- Integrated indicator LED
- Digital output
- High anti-interference

Applications

- Touch-less switch (Sanitary equipment, Control of illumination, etc.)
- Robot cleaner

Technical Details

Dimensions	40mm x 20mm x 11mm
Weight	G.W 9.70g N.W 3.80g
Battery	Exclude
Trigger Range	0.5cm - 5cm
Working voltage	3.3V/5V
Operating temperature	-10°C -- 60°C

Part List

Grove - Digital Distance Interrupter 0.5 to 5cm(GP2Y0D805Z0F)1	
Grove cable	1

ECCN/HTS

ECCN EAR99
HSCODE9031900090

Documents

Eagle file of Grove-Digital Distance Interrupter 0.5 to 5cm(GP2Y0D805Z0F)
GP2Y0D805Z0F Datasheet

Learn



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This is the wiki of Grove - Digital Distance Interrupter 0.5 to 5cm

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