

# Diffuse Reflection Photoelectric Switch

SEN0455

## Product Overview

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For the most up-to-date information, visit [www.mouser.com](http://www.mouser.com) or the supplier's website.

## Description

DFRobot Diffuse Reflection Photoelectric Switch can detect any opaque object within the 0m to 7m range. This switch features 6V to 36V power supply range, polarity protection, and short circuit protection. The diffuse reflection photoelectric switch also features 300mA maximum output current, 2.5ms response time, and 2m power cord length. This switch is waterproof and can be used in automatic car washing devices, security detection, automatic access control lever lifting, and intelligent induction furniture applications.



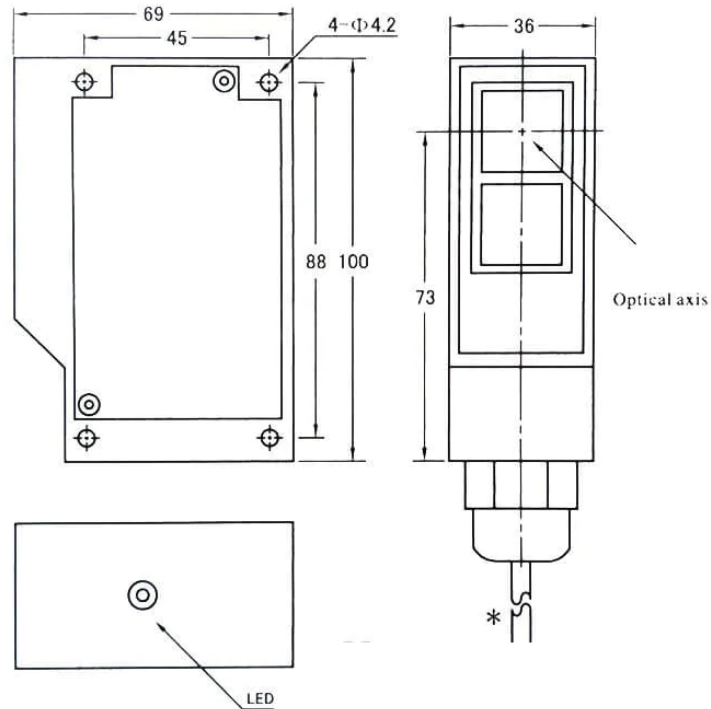
## Features

- 6V to 36V power supply voltage
- 0m to 7m detection distance
- 2.5ms response time
- Detection object:
  - Any opaque object
- Switching value output form
- 300mA maximum output current
- IP67 waterproof rating
- IP54 protection level
- ABS plastic shell material
- Polarity protection and short circuit protection function
- 2m power cord length
- 5x5 white matt paper standard detection object
- 69mm x 100mm x 37mm dimension

## Applications

- Automatic car washing devices
- Security detection
- Automatic access control lever lifting
- Intelligent induction furniture

## Connection Diagram



## Diffuse Reflection Photoelectric Switch Overview



## Mouser Part Number

[View Part](#)

To learn more, visit <https://www.mouser.com/new/dfrobot/dfrobot-diffuse-reflection-photoelectric-switch/>