



Non-Contact Sensor Switch  
**ONPOW91**

The sensor switch is a position switch that can be operated without direct mechanical contact with the moving parts. When an object approaches the sensing surface of the switch to the operating distance, the switch can be activated without mechanical contact and any pressure applied to drive the DC electrical appliances. Or provide control instructions to the computer (plc) device. It not only has the characteristics of travel switch and micro switch, but also has sensing performance, reliable action, stable performance, fast frequency response, long application life, strong anti-interference ability, and has the characteristics of waterproof, shockproof and corrosion resistance.

**Electrical characteristics**

Rated Voltage	Ring 6VDC, 12~24VDC Dot 6V~24VDC
Rated Current	300mA
Switch Function	NPN low level Normally open and momentary
Operating Distance	4~15cm (Different distances with different sensing objects)
Electrical Life	1 million times
Crust Material	Stainless steel
Wire Length	1.2m
Protective Degree	IP65
Operating Temperature	-15°C~+55°C
Storage Temperature	-25°C~+75°C
Maximum Withstand Voltage	1500V, 50Hz, 1min
Vibration Resistance	10-50Hz, Double amplitude 1.5mm, 1 hour

**ONPOW91 series part-number description**

ONPOW91 ☆ ◇ □ ■ ◆ △ ▲

Symbol	Representation	Description
☆	Diameter	19: Φ 19mm / 22: Φ 22mm / 25: Φ 25mm / 30: Φ 30mm
◇	Lamp type	D: ● Dot / E: ○ Ring (except 19mm)
□	Switch function	10B: No momentary (low level output), Other functions can be customized, high level output can be customized
■	Terminal type	Y: Leading (Length approximately 120cm), lead length can be customized
◆	Crust material and color	SS: Stainless steel, Other materials or colors can be customized
△	Lamp color	Dot: NR Null/Red NG Null/Green Ring: NR Null/Red NG Null/Green RG Red/Green GR Green/Red other colors can be customized
▲	Lamp voltage	Dot 6-24VDC / Ring 6VDC 12-24VDC

Note: Please carefully read the specific instructions of the product, and select the corresponding code in the table according to the different symbols.

**Product picture** **Dimension**



ONPOW9119D10BYSS ▲



