



U12 Ultrasonic Distance Sensors 20-200M Detection Range NPN PNP Output

Our Product Introduction

Basic Information

- Place of Origin: Guangdong, China
- Brand Name: KRONZ
- Certification: CE
- Model Number: U12-D200N(P)1T-R00A
- Minimum Order Quantity: 5 pieces
- Price: Negotiable
- Packaging Details: Polybag packing
- Delivery Time: 5-8 working days
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 100000 pieces per month



Product Specification

- Features: Easy To Instal
- Series: U12 Serial
- Detection Range: 20-200mm
- Response Time: 22mm
- Switching Hysteresis: 1mm
- Switching Frequency: 45hz
- Repeatability: $\pm 0.15\%$ F.S.
- Supply Voltage: 10-30V DC
- Highlight: **U12 Ultrasonic Distance Sensors,
NPN Ultrasonic Distance Sensors,
PNP Ultrasonic Distance Sensors**



Product Description

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Product Attributes

Attribute	Value
Series	U12 Serial
Features	Easy to install
Detection Range	20-200mm
Response time	22mm
Switching hysteresis	1mm
Switching frequency	45hz
Repeatability	±0.15% F.S.
Supply voltage	10-30V DC

Product Description

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Main Features

- M12 installation threaded sleeve, the shortest full length is only 57mm
- Small blind zone, small sound cone, suitable for close-range fine detection

Basic Features

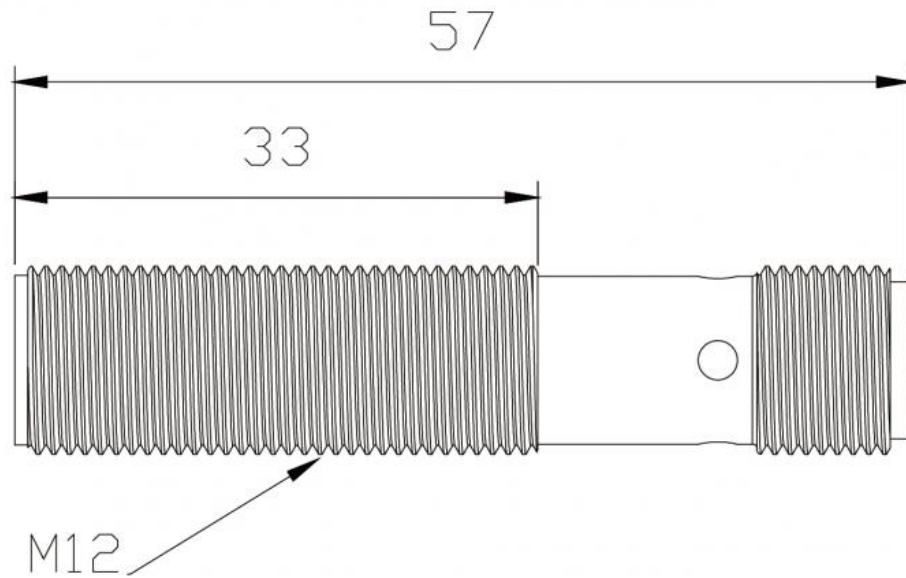
- 1 pc npn or pnp switching output
- Support digital RS485, modbus-rut standard protocol communication
- Analog voltage output 0-10V or analog current output 4-20 mA
- Realize detection distance learning function through white lines
- Temperature compensation
- Standard operating voltage DC 10-30V

Technical Specifications

Model:	U12-D200N(P)1T-R00A
Detection range:	20-200mm
Blind zone:	0-20mm
Resolution:	0.1mm
Repeatability:	±0.15%F.S.
Accuracy:	±1%(built-in temperature drift compensation)
Response time:	22ms
Switching hysteresis:	1mm
Switching frequency:	45Hz
Initialization time:	< 500ms
Supply voltage:	10-30V DC, reverse-polarity protection
Red LED:	no object detected: Lights up, teaching-in when no object detected: Flashes
Green LED:	object detected: Lights up, teaching-in when object detected: Flashes
Overcurrent protection:	200mA, Red LED and Green LED flashing at the same time
Load impedance:	I/ < 300 Ohm, U/ > 1k Ohm
No-load current:	≤30mA
Input type:	Teach-in and synchronization
Material:	Copper nickel-plated, plastic fittings, glass epoxy resin

Enclosure rating: IP67
Connection type: 4pin, M12 connector
Ambient temperature: -25 ~+70 (248~343K)
Storage temperature: -40 ~+85 (233~358K)
Weight: 20g
Output type: N1: 1 npn switching output NO/NC, P1: 1 pnp switching output NO/NC

Dimensional Drawing



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