UR Single or double sheet series



Feature Description

- 3-way control outputs
- Learning single sheet based on any materials
- 3-way NPN/PNP output
- Testing single and double sheets of various materials
- Output can be changed through serial port upgrade
- Implement learning functions for different materials through teach-in lines
- Temperature compensation

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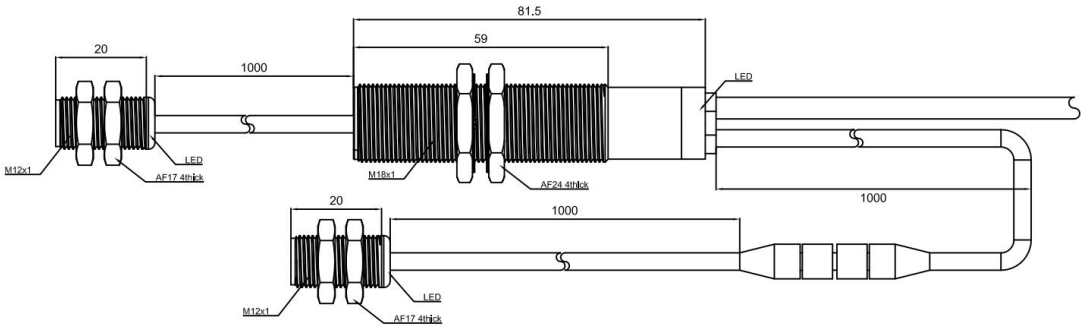
Model specifications

NPN	NO	UR12-DC40D3NO	PNP	NO	UR12-DC40D3PO
NPN	NC	UR12-DC40D3NC	PNP	NC	UR12-DC40D3PC

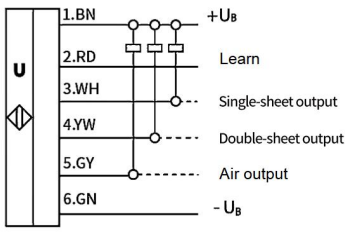
Specifications

Sensing range	20-40mm	Input type	With teach-in function
Detection	Non-contact type	Output indication	Green LED: single sheet detected
Resolution ratio	1mm		Yellow LED: no target (air)
Impedance	>4kΩ		Red LED: double sheets detected
Voltage drop	<2V	Ambient temperature	-25℃…70℃(248-343K)
Response delay	About 4ms	Storage temperature	-40℃…85℃(233-358K)
Judgment delay	About 4ms	Output characteristics	Support serial port upgrade and change the output type
Power on delay	＜300ms	Material	Copper nickel plating, glass bead filled epoxy resin
Working voltage	18...30VDC	Protection degree	IP67
No-load current	＜50mA	Connection	2m PVC cable
Type of output	3 way PNP/NPN		

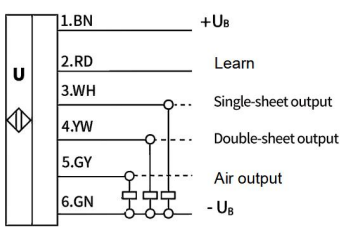
Dimension



Wiring diagram



NPN output



PNP output

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