



乐清市嘉尔威电子有限公司
Yueqing Jiaerwei Electronics Co.,LTD

传感器选型指南

Sensor Selection Guide

光电传感器

Photoelectric Sensor

超声波传感器

Ultrasonic Sensor

电感式接近开关

Inductive Proximity Switches

电容式接近开关

Capacitive Proximity Switches

耐高压接近开关

High voltage resistant proximity switch

霍尔接近开关

Hall proximity switches

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乐清嘉尔威电子有限公司作为专业的传感器生产商，拥有齐全的传感器产品系列。也可以根据您的需求设计专用型产品。我们的合作机构遍布全球，公司提供一流的服务并为您找到最佳的产品解决方案。

Yueqing Jia'erwei Electronics Co., Ltd., as a professional sensor manufacturer, has a complete range of sensor product series. We can also design special-purpose products according to your needs. Our cooperative organizations are all over the world, and the company provides first-class services and finds the best product solutions for you.

超声波传感器

Ultrasonic Sensor

量程：0.12m-8m

输出：开关量、模拟量
RS232/485



光电传感器

Photoelectric Sensor

量程：0m-60m

输出：开关量、继电器

电感式接近开关

Inductive Proximity Switches

量程：1mm-50mm

输出：开关量、模拟量
2线直流/交流



耐高压接近开关

High voltage resistant proximity switch

量程：1mm-2mm

输出：开关量、2线

Ultrasonic sensor

Appearance



	M12	M18 short style	M18 long style	M18 short right angle	M18 long right angle
Detection range	15...120 mm 30...400 mm	50...300 mm 50...800 mm	50...500 mm 50...1000 mm	50...300 mm 50...800 mm	50...500 mm 50...1000 mm
Operating voltage	10...30VDC 15...30VDC (0-10V)	10...30VDC 15...30VDC (0-10V)	10...30VDC 15...30VDC (0-10V)	10...30VDC 15...30VDC (0-10V)	10...30VDC 15...30VDC (0-10V)
Output form	Switch output npn, pnp analog output 0-10v, 4-20ma	Switch output npn, pnp analog output 0-10v, 0-5v, 4-20ma	Switch output npn, pnp, 2*pnnp analog output 0-10v, 0-5v, 4-20ma	Switch output npn, pnp analog output 0-10v, 0-5v, 4-20ma	Switch output npn, pnp, 2*pnnp analog output 0-10v, 0-5v, 4-20ma

Appearance



	M30	M30	M30	M30	M30 rotatable
Detection range	50...300 mm 50...800 mm 50...1000 mm	80...2000 mm	200...4000 mm	350...6000 mm	50...500 mm 50...1000 mm 50...2000 mm
Operating voltage	10...30VDC 15...30VDC (0-10V)	10...30VDC 15...30VDC (0-10V)	10...30VDC 15...30VDC (0-10V)	10...30VDC 15...30VDC (0-10V)	10...30VDC 15...30VDC (0-10V)
Output form	Switch output npn, pnp, 2*pnnp analog output 0-10v, 0-5v, 4-20ma	Switch output npn, pnp, 2*pnnp analog output 0-10v, 0-5v, 4-20ma	Switch output npn, pnp, 2*pnnp analog output 0-10v, 0-5v, 4-20ma	Switch output npn, pnp, 2*pnnp analog output 0-10v, 0-5v, 4-20ma	Switch output npn, pnp, 2*pnnp analog output 0-10v, 4-20ma

Appearance



	M30	M30	M30	M30 button model	M30 button model
Detection range	80...2000 mm	200...4000 mm	350...6000 mm	80...2000 mm	200...4000 mm
Operating voltage	10...30VDC 15...30VDC (0-10V)	10...30VDC 15...30VDC (0-10V)	10...30VDC 15...30VDC (0-10V)	10...30VDC 15...30VDC (0-10V)	10...30VDC 15...30VDC (0-10V)
Output form	Switch output 2*pnnp, 2*pnnp analog output 0-10v+4-20ma	Switch output 2*pnnp, 2*pnnp analog output 0-10v+4-20ma	Switch output 2*pnnp, 2*pnnp analog output 0-10v+4-20ma	Switch output npn, pnp, 2*pnnp analog output 0-10v, 4-20ma	Switch output npn, pnp, 2*pnnp analog output 0-10v, 4-20ma

Appearance



	M30 button model	M30 button model	M18	M30	M30
Detection range	350...6000 mm	400...8000 mm	50...1000 mm	80...2000 mm	200...4000 mm
Operating voltage	10...30VDC 15...30VDC (0-10V)	10...30VDC 15...30VDC (0-10V)	10...30VDC 15...30VDC (0-10V)	10...30VDC 15...30VDC (0-10V)	10...30VDC 15...30VDC (0-10V)
Output form	Switch output npn, pnp analog output 0-10v, 4-20ma	Switch output npn, pnp analog output 0-10v, 4-20ma	RS485	RS485	RS485

Appearance



	M30	M30 digital display model	M30 digital display model	M30 digital display model	M18 plastic model
Detection range	350...6000 mm	80...2000 mm	200...4000 mm	350...6000 mm	50...500 mm 50...1000 mm
Operating voltage	10...30VDC 15...30VDC (0-10V)	10...30VDC 15...30VDC (0-10V)	10...30VDC 15...30VDC (0-10V)	10...30VDC 15...30VDC (0-10V)	10...30VDC 15...30VDC (0-10V)
Output form	RS485	Switch output npn, pnp, 2*pnnp analog output 0-10v, 4-20ma	Switch output npn, pnp, 2*pnnp analog output 0-10v, 4-20ma	Switch output npn, pnp, 2*pnnp analog output 0-10v, 4-20ma	Switch output npn, pnp, 2*pnnp analog output 0-10v, 0-5v, 4-20ma

Ultrasonic sensor

Appearance



	T18	T30	U30	Q30	F42S
Detection range	50...300 mm 50...500 mm 50...800 mm 50...1000 mm	50...500 mm 50...1000 mm 200...2000 mm	50...500 mm 50...1000 mm 200...2000 mm	50...500 mm 50...1000 mm 200...2000 mm	50...500 mm 50...1000 mm 200...2000 mm 70...1000 mm
Operating voltage	10...30VDC 15...30VDC (0-10V)	10...30VDC 15...30VDC (0-10V)	10...30VDC 15...30VDC (0-10V)	10...30VDC 15...30VDC (0-10V)	10...30VDC 15...30VDC (0-10V)
Output form	Switch output npn, pnp 2*npn, 2*pnp analog output 0-10v, 4-20ma	Switch output npn, pnp 2*npn, 2*pnp analog output 0-10v, 4-20ma	Switch output npn, pnp 2*npn, 2*pnp analog output 0-10v, 4-20ma	Switch output npn, pnp 2*npn, 2*pnp analog output 0-10v, 4-20ma	Switch output npn, pnp 2*npn, 2*pnp analog output 0-10v, 4-20ma

Appearance



	F54	L2	U9	F42	F42
Detection range	50...500 mm 50...1000 mm 200...2000 mm	50...500 mm 20...2000 mm 40...4000 mm 70...1000 mm	50...500 mm 200...2000mm 400...4000 mm 70...1000 mm	50...500 mm 200...2000mm 400...4000 mm 70...1000 mm	600...6000mm
Operating voltage	10...30VDC 15...30VDC (0-10V)	10...30VDC 15...30VDC (0-10V)	10...30VDC 15...30VDC (0-10V)	10...30VDC 15...30VDC (0-10V)	10...30VDC 15...30VDC (0-10V)
Output form	Switch output npn, pnp 2*npn, 2*pnp analog output 0-10v, 4-20ma	Switch output npn, pnp 2*npn, 2*pnp analog output 0-10v, 4-20ma	Switch output npn, pnp 2*npn, 2*pnp analog output 0-10v, 4-20ma	Switch output npn, pnp 2*npn, 2*pnp analog output 0-10v, 4-20ma	Switch output npn, pnp 2*npn, 2*pnp analog output 0-10v, 4-20ma

Single and double sheet detection sensor



Appearance

M12	
Detection materials	It has a wide detection range from 10g/m2 to 2000g/m2 and can detect paper, thin metal and plastic and metal films
Detection range	20...40mm, best value 20mm
Operating voltage	18...30VDC
Output form	3*npn normally open or normally closed 3*pnp normally open or normally closed 2*npn normally open or normally closed adjustable 2*pnp normally open or normally closed adjustable

Single and double sheet detection sensor



Appearance

M18	
Detection materials	It has a wide detection range from 10g/m2 to 2000g/m2 and can detect paper, thin metal and plastic and metal films
Detection range	20...60mm, best value 45mm
Operating voltage	18...30VDC
Output form	3*npn normally open or normally closed 3*pnp normally open or normally closed 2*npn normally open or normally closed adjustable 2*pnp normally open or normally closed adjustable

Single and double sheet detection sensor



Appearance

M30	
Detection materials	It has a wide detection range from 10g/m2 to 2000g/m2 and can detect paper, thin metal and plastic and metal films
Detection range	20...60mm, best value 45mm
Operating voltage	18...30VDC
Output form	3*npn normally open or normally closed 3*pnp normally open or normally closed 2*npn normally open or normally closed adjustable 2*pnp normally open or normally closed adjustable

Photoelectric sensor



Appearance

	BPR	BPG	BPZ	BPA	BPJ
Detect distance	0-2M/0-5M/0-60M	0-700mm/0-4M/0-10M	0-300mm/0-4M/0-30M	0-300mm/0-5M/0-10M	0-4M/0-4M/0-20M
Sensing method	Diffuse reflection/mirror reflection/phiilliance	Diffuse reflection/mirror reflection/phiilliance	Diffuse reflection/mirror reflection/phiilliance	Diffuse reflection/mirror reflection/phiilliance	Diffuse reflection/mirror reflection/phiilliance
Operating voltage	10...30VDC 90-250VAC 20...250VDC (AC)	10...30VDC 90-250VAC 20...250VDC (AC)	10...30VDC	10...30VDC 90-250VAC 20...250VDC (AC)	10...30VDC 90-250VAC 20...250VDC (AC)
Output form	Switch output npn, pnp relay output	Switch output npn, pnp relay output	Switch output npn, pnp	Switch output npn, pnp relay output	Switch output npn, pnp relay output



Appearance

	BPQ	BPC	BPB	BPS	BPP
Detect distance	0-1M/0-4M/0-20M	0-600mm/0-6M/0-60M	0-2M	0-3M/0-6M/0-60M	0-3M/0-6M/0-60M
Sensing method	Diffuse reflection/mirror reflection/phiilliance	Diffuse reflection/mirror reflection/phiilliance	Diffuse reflection	Diffuse reflection/mirror reflection/phiilliance	Diffuse reflection/mirror reflection/phiilliance
Operating voltage	10...30VDC	10...30VDC	10...30VDC	10...30VDC 90-250VAC 20...250VDC (AC)	10...30VDC 90-250VAC 20...250VDC (AC)
Output form	Switch output npn, pnp	Switch output npn, pnp	Switch output npn, pnp	Switch output npn, pnp two-wire output	Switch output npn, pnp two-wire output



Appearance

	BPM	BPU1	BPK	BPW	BPZ1
Detect distance	0-600mm/0-2M/0-6M	0-30mm	0-15M/0-20M/0-60M	0-750mm/0-6M/0-25M	0-300mm/0-2M/0-5M
Sensing method	Diffuse reflection/mirror reflection/phiilliance	Convection	Diffuse reflection/mirror reflection/phiilliance	Diffuse reflection/mirror reflection/phiilliance	Diffuse reflection/mirror reflection/phiilliance
Operating voltage	10...30VDC	10...30VDC	10...30VDC 90-250VAC 20...250VDC (AC)	10...30VDC	10...30VDC
Output form	Switch output npn, pnp	Switch output npn, pnp	Switch output npn, pnp relay output	Switch output npn, pnp	Switch output npn, pnp



Appearance

	BPN	BP8	BPL	BP7	BP6
Detect distance	0-380mm/0-5M/0-30M	0-300mm	0-300mm/0-4M/0-20M	0-150mm/0-6m/0-20m	0-2M/0-5M/0-60M
Sensing method	Diffuse reflection/mirror reflection/phiilliance	Diffuse reflection	Diffuse reflection/mirror reflection/phiilliance	Diffuse reflection/mirror reflection/phiilliance	Diffuse reflection/mirror reflection/phiilliance
Operating voltage	10...30VDC	10...30VDC	10...30VDC	10...30VDC 90-250VAC 20...250VDC (AC)	10...30VDC 90-250VAC 20...250VDC (AC)
Output form	Switch output npn, pnp	Switch output npn, pnp	Switch output npn, pnp	Switch output npn, pnp two-wire output	Switch output npn, pnp relay output



Photoelectric sensor



Appearance

	EE-SX670	EE-SX671	EE-SX672	EE-SX673	EE-SX674
Detect distance	5mm	5mm	5mm	5mm	5mm
Sensing method	Convection	Convection	Convection	Convection	Convection
Operating voltage	10...30VDC	10...30VDC	10...30VDC	10...30VDC	10...30VDC
Output form	Switch output npn, pnp	Switch output npn, pnp	Switch output npn, pnp	Switch output npn, pnp	Switch output npn, pnp



Appearance

	EE-SX676	EE-SX675	EE-SX677	EE-SX670-WR	EE-SX671-WR
Detect distance	5mm	5mm	5mm	5mm	5mm
Sensing method	Convection	Convection	Convection	Convection	Convection
Operating voltage	10...30VDC	10...30VDC	10...30VDC	10...30VDC	10...30VDC
Output form	Switch output npn, pnp	Switch output npn, pnp	Switch output npn, pnp	Switch output npn, pnp	Switch output npn, pnp



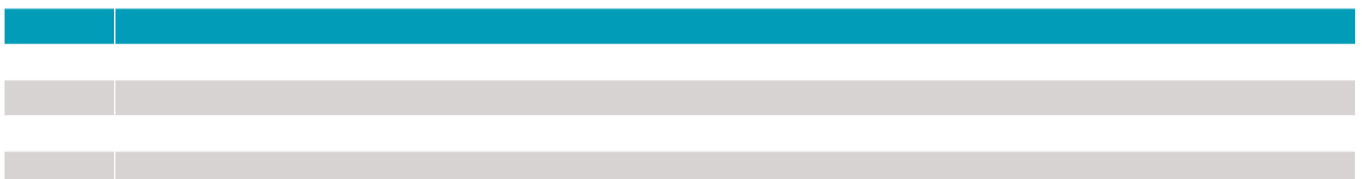
Appearance

	EE-SX672-WR	EE-SX673-WR	EE-SX674-WR	EE-SX675-WR	EE-SX676-WR
Detect distance	5mm	5mm	5mm	5mm	5mm
Sensing method	Convection	Convection	Convection	Convection	Convection
Operating voltage	10...30VDC	10...30VDC	10...30VDC	10...30VDC	10...30VDC
Output form	Switch output npn, pnp	Switch output npn, pnp	Switch output npn, pnp	Switch output npn, pnp	Switch output npn, pnp



Appearance

	EE-SX677-WR
Detect distance	5mm
Sensing method	Convection
Operating voltage	10...30VDC
Output form	Switch output npn, pnp



Proximity switch sensor

Appearance



	M3	M4	M5	M6	M8
Detect distance	0.8mm	0.8mm	0.8mm	0.8mm	2mm/4mm
Installation method	Peaceful outfit	Peaceful outfit	Peaceful outfit	Peaceful outfit	Peaceful clothing/non-pi ping an clothing
Operating voltage	10...30VDC	10...30VDC	10...30VDC	10...30VDC	10...30VDC 20...250V(AC))
Output form	Switch output npn, pnp	Switch output npn, pnp	Switch output npn, pnp	Switch output npn, pnp	Switch output npn, pnp ac second line dc second line

Appearance



	M12	M18	M30	M8 plug-in to 12	M12 plug-in
Detect distance	4mm/6mm	8mm/12mm	15mm/25mm	2mm/4mm	4mm/6mm
Installation method	Peaceful clothing/non-pi ping an clothing	Peaceful clothing/non-pi ping an clothing	Peaceful clothing/non-pi ping an clothing	Peaceful clothing/non-pi ping an clothing	Peaceful clothing/non-pi ping an clothing
Operating voltage	10...30VDC 20...250V(AC)	10...30VDC 20...250V(AC)	10...30VDC 20...250V(AC)	10...30VDC 20...250V(AC)	10...30VDC 20...250V(AC)
Output form	Switch output npn, pnp ac second line dc second line analog output	Switch output npn, pnp ac second line dc second line analog output	Switch output npn, pnp ac second line dc second line analog output	Switch output npn, pnp ac second line dc second line	Switch output npn, pnp ac second line dc second line analog output

Appearance



	M18 insert	M30 plug-in	M8 all metal	M12 all metal	M18 all metal
Detect distance	8mm/12mm	15mm/25mm	1mm	2mm	5mm
Installation method	Peaceful clothing/non-pi ping an clothing	Peaceful clothing/non-pi ping an clothing	Peaceful outfit	Peaceful outfit	Peaceful outfit
Operating voltage	10...30VDC 90-250VAC 20...250VDC(AC)	10...30VDC 90-250VAC 20...250VDC(AC)	10...30VDC	10...30VDC 90-250VAC 20...250VDC(AC)	10...30VDC 20...250V(AC)
Output form	Switch output npn, pnp ac second line dc second line analog output	Switch output npn, pnp ac second line dc second line analog output	Switch output npn, pnp ac second line dc second line	Switch output npn, pnp ac second line dc second line analog output	Switch output npn, pnp ac second line dc second line analog output

Appearance



	M30 all metal	M 0.15kg sections	M 0.19kg sections	M 0.25kg sections	M 0.4kg sections
Detect distance	10mm	0.6mm	0.8mm	1mm	2mm
Installation method	Peaceful outfit	Non-qian ping an outfit	Peaceful outfit	Peaceful outfit	Peaceful outfit
Operating voltage	10...30VDC 20...250V(AC)	10...30VDC	10...30VDC	10...30VDC	10...30VDC
Output form	Switch output npn, pnp ac second line dc second line analog output	Switch output npn, pnp	Switch output npn, pnp	Switch output npn, pnp	Switch output npn, pnp

Appearance



	M 0.5kg sections	M 0.7kg sections	BI-302	BI-303A	BI-305
Detect distance	2mm	4mm	0.8mm	0.8mm	0.8mm
Installation method	Peaceful outfit	Peaceful outfit	Peaceful outfit	Peaceful outfit	Peaceful outfit
Operating voltage	10...30VDC	10...30VDC	10...30VDC	10...30VDC	10...30VDC
Output form	Switch output npn, pnp	Switch output npn, pnp			Switch output npn, pnp

Proximity switch sensor



Appearance

	BI-308	BI-110	BI-114	BI-614A	BI-416
Detect distance	2mm	2mm	5mm	5mm	6mm
Installation method	Peaceful outfit	Peaceful outfit	Peaceful outfit	Peaceful outfit	Peaceful outfit
Operating voltage	10...30VDC	10...30VDC	10...30VDC	10...30VDC	10...30VDC
Output form					



Appearance

	BI-422	BI-430	BI-440	BI-290	BI-809
Detect distance	9mm	12mm	18mm	35mm	2mm
Installation method	Peaceful outfit	Peaceful outfit	Peaceful outfit	Peaceful outfit	Peaceful outfit
Operating voltage	10...30VDC	10...30VDC	10...30VDC	10...30VDC	10...30VDC
Output form					



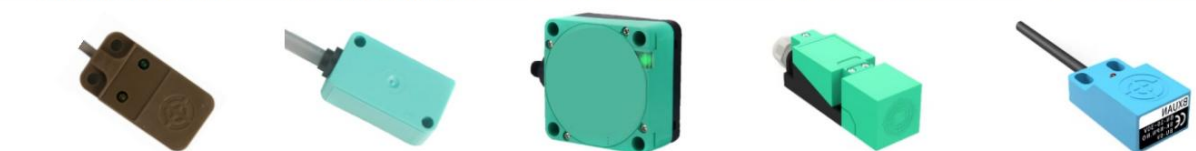
Appearance

	BI-816	BI-822	BI-108	Micro proximity switch	Micro proximity switch
Detect distance	4mm	8mm	2mm	2mm	2mm
Installation method	Peaceful outfit	Peaceful outfit	Peaceful outfit	Peaceful outfit	Peaceful outfit
Operating voltage	10...30VDC	10...30VDC	10...30VDC	10...30VDC	10...30VDC
Output form				Switch output npn, pnp	Switch output npn, pnp



Appearance

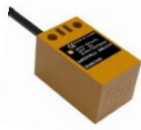
	Square proximity switch	Square proximity switch	Square proximity switch	Square proximity switch	Square proximity switch
Detect distance	5mm	8mm	2mm	5mm	30mm
Installation method	Peaceful outfit	Peaceful outfit	Peaceful outfit	Peaceful outfit	Peaceful outfit
Operating voltage	10...30VDC 20...250V (AC)	10...30VDC 20...250V (AC)	10...30VDC 20...250V (AC)	10...30VDC 20...250V (AC)	10...30VDC 20...250V (AC)
Output form	Switch output npn, pnp ac second line dc second line	Switch output npn, pnp ac second line dc second line	Switch output npn, pnp ac second line dc second line	Switch output npn, pnp ac second line dc second line	Switch output npn, pnp ac second line dc second line



Appearance

	Square proximity switch	Square proximity switch	Square proximity switch	Square proximity switch	Square proximity switch
Detect distance	4mm	2mm	50mm	25mm	5mm
Installation method	Peaceful outfit	Peaceful outfit	Peaceful outfit	Peaceful outfit	Peaceful outfit
Operating voltage	10...30VDC 20...250V (AC)	10...30VDC 20...250V (AC)	10...30VDC 20...250V (AC)	10...30VDC 20...250V (AC)	10...30VDC 20...250V (AC)
Output form	Switch output npn, pnp ac second line dc second line	Switch output npn, pnp ac second line dc second line	Switch output npn, pnp ac second line dc second line	Switch output npn, pnp ac second line dc second line	Switch output npn, pnp ac second line dc second line

Proximity switch sensor



Appearance

	Square proximity switch	Square proximity switch	Square proximity switch	M12 proximity switch	M18 proximity switch
Detect distance	5mm	5mm	25mm	2mm	6mm
Installation method	Peaceful outfit	Peaceful outfit	Peaceful outfit	Peaceful outfit	Peaceful outfit
Operating voltage	10...30VDC 20...250V (AC)	10...30VDC 20...250V (AC)	10...30VDC 20...250V (AC)	10...30VDC 20...250V (AC)	10...30VDC 20...250V (AC)
Output form	Switch output npn, pnp ac second line dc second line	Switch output npn, pnp ac second line dc second line	Switch output npn, pnp ac second line dc second line	Switch output npn, pnp ac second line dc second line	Switch output npn, pnp ac second line dc second line



Appearance

	M30 proximity switch	Ring proximity switch	Proximity switch	Proximity switch	Proximity switch
Detect distance	15mm	3-50 aperture	40mm	15mm	5mm
Installation method	Peaceful outfit	Peaceful outfit	Peaceful outfit	Peaceful outfit	Peaceful outfit
Operating voltage	10...30VDC 20...250V (AC)	10...30VDC 20...250V (AC)	10...30VDC 20...250V (AC)	10...30VDC 20...250V (AC)	10...30VDC 20...250V (AC)
Output form	Switch output npn, pnp ac second line dc second line	Switch output npn, pnp ac second line dc second line	Switch output npn, pnp ac second line dc second line	Switch output npn, pnp ac second line dc second line	Switch output npn, pnp ac second line dc second line



Appearance

	Proximity switch	Proximity switch	Proximity switch	Micro proximity switch	Micro proximity switch
Detect distance	4mm	5mm	80mm	2mm	2mm
Installation method	Peaceful outfit	Peaceful outfit	Peaceful outfit	Peaceful outfit	Peaceful outfit
Operating voltage	10...30VDC 20...250V (AC)	10...30VDC 20...250V (AC)	10...30VDC 20...250V (AC)	10...30VDC	10...30VDC
Output form	Switch output npn, pnp ac second line dc second line	Switch output npn, pnp ac second line dc second line	Switch output npn, pnp ac second line dc second line	Switch output npn, pnp	Switch output npn, pnp



Appearance

	Gear speed switch
Detect distance	10mm
Installation method	Peaceful outfit
Operating voltage	10...30VDC 20...250V (AC)
Output form	Switch output pnp second line three line



Proximity switch sensor



Appearance

	Capacitive proximity switch	Capacitive proximity switch	Capacitive proximity switch	Capacitive proximity switch	Capacitive proximity switch
Detect distance	4mm/8mm/15mm	8mm	25mm	10mm	15mm
Installation method	Peaceful outfit	Peaceful outfit	Peaceful outfit	Peaceful outfit	Peaceful outfit
Operating voltage	10...30VDC 20...250V(AC)	10...30VDC 20...250V(AC)	10...30VDC 20...250V(AC)	10...30VDC 20...250V(AC)	10...30VDC 20...250V(AC)
Output form	Switch output npn, pnp ac second line dc second line	Switch output npn, pnp ac second line dc second line	Switch output npn, pnp ac second line dc second line	Switch output npn, pnp ac second line dc second line	Switch output npn, pnp ac second line dc second line



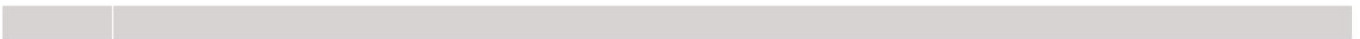
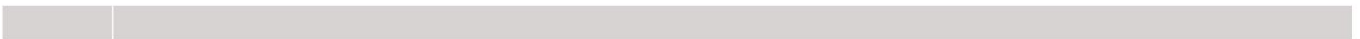
Appearance

	Capacitive proximity switch	Capacitive proximity switch	Capacitive proximity switch	Corrosion resistant capacitor proximity switch	Contact proximity switch
Detect distance	8mm	20mm	60mm	4mm/8mm/15mm	/
Installation method	Peaceful outfit	Peaceful outfit	Peaceful outfit	Peaceful outfit	Peaceful outfit
Operating voltage	10...30VDC 20...250V(AC)	10...30VDC 20...250V(AC)	10...30VDC 20...250V(AC)	10...30VDC 20...250V(AC)	10...30VDC 20...250V(AC)
Output form	Switch output npn, pnp ac second line dc second line	Switch output npn, pnp ac second line dc second line	Switch output npn, pnp ac second line dc second line	Switch output npn, pnp ac second line dc second line	Switch output npn, pnp ac second line dc second line



Appearance

	Contact proximity switch
Detect distance	/
Installation method	Peaceful outfit
Operating voltage	10...30VDC 20...250V(AC)
Output form	Switch output npn, pnp ac second line dc second line



High-voltage resistant proximity switch



Appearance

	High temperature resistant proximity switch	High temperature resistant proximity switch	High temperature resistant proximity switch	High temperature resistant proximity switch	High temperature resistant proximity switch
Detect distance	1mm/2mm	2mm/4mm	5mm/8mm	10mm/15mm	20mm
Installation method	Peaceful clothing /non-qi ping an clothing	Peaceful clothing /non-qi ping an clothing	Peaceful clothing /non-qi ping an clothing	Peaceful clothing /non-qi ping an clothing	Non-qian ping an outfit
Operating voltage	10...30VDC 20...250V(AC)	10...30VDC 20...250V(AC)	10...30VDC 20...250V(AC)	10...30VDC 20...250V(AC)	10...30VDC 20...250V(AC)
Output form	Switch output npn, pnp ac second line dc second line	Switch output npn, pnp ac second line dc second line	Switch output npn, pnp ac second line dc second line	Switch output npn, pnp ac second line dc second line	Switch output npn, pnp ac second line dc second line

High pressure resistance series



Appearance

	Bf04 (ceramic/all metal)	Bf07 (ceramic/all metal)
Detection range	2mm	2mm
Operating voltage	10...30VDC	10...30VDC
Output form	Switch output npn, pnp2 line	Switch output npn, pnp2 line



Appearance

	Bf10 (ceramic/all metal)	Bf11 (ceramic/all metal)	Bf14 (ceramic/all metal)	Bf16 (ceramic/all metal)	Bf17 (ceramic/all metal)
Detection range	2mm	2mm	2mm	2mm	2mm
Operating voltage	10...30VDC	10...30VDC	10...30VDC	10...30VDC	10...30VDC
Output form	Switch output npn, pnp2 line	Switch output npn, pnp2 line	Switch output npn, pnp2 line	Switch output npn, pnp2 line	Switch output npn, pnp2 line



Appearance

	Bf02 (ceramic/all metal)	Bf03 (ceramic/all metal)	Bf18 (ceramic/all metal)	Bf19 (ceramic/all metal)	Bf20 (ceramic/all metal)
Detection range	2mm	2mm	2mm	2mm	2mm
Operating voltage	10...30VDC	10...30VDC	10...30VDC	10...30VDC	10...30VDC
Output form	Switch output npn, pnp2 line	Switch output npn, pnp2 line	Switch output npn, pnp2 line	Switch output npn, pnp2 line	Switch output npn, pnp2 line



Appearance

	Bf21 (ceramic/all metal)	Bf22 (ceramic/all metal)	Bf23 (ceramic/all metal)	Bf26 (ceramic/all metal)	Bf29 (ceramic/all metal)
Detection range	2mm	2mm	2mm	2mm	2mm
Operating voltage	10...30VDC	10...30VDC	10...30VDC	10...30VDC	10...30VDC
Output form	Switch output npn, pnp2 line	Switch output npn, pnp2 line	Switch output npn, pnp2 line	Switch output npn, pnp2 line	Switch output npn, pnp2 line

High-voltage resistant proximity switch



Appearance

	Bf31 (ceramic/all metal)	Bf33 (ceramic/all metal)	Bf38 (ceramic/all metal)	Bf39 (ceramic/all metal)	Bf42 (ceramic/all metal)
Detection range	1.5mm	1.5mm	1.5mm	1.5mm	1.5mm
Operating voltage	10...30VDC	10...30VDC	10...30VDC	10...30VDC	10...30VDC
Output form	Switch output npn, pnp2 line	Switch output npn, pnp2 line	Switch output npn, pnp2 line	Switch output npn, pnp2 line	Switch output npn, pnp2 line



Appearance

	Bf49 (ceramic/all metal)	Bf59 (ceramic/all metal)	Bf60 (ceramic/all metal)	Bf62 (ceramic/all metal)	Bf63 (ceramic/all metal)
Detection range	1.5mm	1.5mm	1.5mm	2mm	1.5mm
Operating voltage	10...30VDC	10...30VDC	10...30VDC	10...30VDC	10...30VDC
Output form	Switch output npn, pnp2 line	Switch output npn, pnp2 line	Switch output npn, pnp2 line	Switch output npn, pnp2 line	Switch output npn, pnp2 line



Appearance

	Bf68 (ceramic/all metal)	Bf69 (ceramic/all metal)	Bf70 (ceramic/all metal)	Bf71 (ceramic/all metal)	Bf72 (ceramic/all metal)
Detection range	1.5mm	2mm	1.5mm	1.5mm	1.5mm
Operating voltage	10...30VDC	10...30VDC	10...30VDC	10...30VDC	10...30VDC
Output form	Switch output npn, pnp2 line	Switch output npn, pnp2 line	Switch output npn, pnp2 line	Switch output npn, pnp2 line	Switch output npn, pnp2 line



Appearance

	Bf77 (ceramic/all metal)	Bf78 (ceramic/all metal)	Bf84 (ceramic/all metal)	Bf91 (ceramic/all metal)	Bf94 (ceramic/all metal)
Detection range	1.5mm	1.5mm	1.5mm	2mm	2mm
Operating voltage	10...30VDC	10...30VDC	10...30VDC	10...30VDC	10...30VDC
Output form	Switch output npn, pnp2 line	Switch output npn, pnp2 line	Switch output npn, pnp2 line	Switch output npn, pnp2 line	Switch output npn, pnp2 line



Appearance

	Bf91 (ceramic/all metal)	Bf98 (ceramic/all metal)	Bf99 (ceramic/all metal)	Bf101 (ceramic/all metal)	Bf102 (ceramic/all metal)
Detection range	1.5mm	1.5mm	2mm	1.5mm	1.5mm
Operating voltage	10...30VDC	10...30VDC	10...30VDC	10...30VDC	10...30VDC
Output form	Switch output npn, pnp2 line	Switch output npn, pnp2 line	Switch output npn, pnp2 line	Switch output npn, pnp2 line	Switch output npn, pnp2 line

High-voltage resistant proximity switch

Appearance



	Bf104 (ceramic/all metal)	fBf105 (ceramic/all metal)	Bf108 (ceramic/all metal)	fBf110 (ceramic/all metal)	eBf111 (ceramic/all metal)
Detection range	1.5mm	1.5mm	1.5mm	1.5mm	1.5mm
Operating voltage	10...30VDC	10...30VDC	10...30VDC	10...30VDC	10...30VDC
Output form	Switch output npn, pnp2 line	Switch output npn, pnp2 line	Switch output npn, pnp2 line	Switch output npn, pnp2 line	Switch output npn, pnp2 line

Appearance



	Bf112 (ceramic/all metal)	Bf113 (ceramic/all metal)	eBf114 (ceramic/all metal)	eBf114 (ceramic/all metal)	eBf116 (ceramic/all metal)
Detection range	1.5mm	1.5mm	1.5mm	1.5mm	1.5mm
Operating voltage	10...30VDC	10...30VDC	10...30VDC	10...30VDC	10...30VDC
Output form	Switch output npn, pnp2 line	Switch output npn, pnp2 line	Switch output npn, pnp2 line	Switch output npn, pnp2 line	Switch output npn, pnp2 line

Appearance



	Bf117 (ceramic/all metal)	FBf123 (ceramic/all metal)	Bf124 (ceramic/all metal)	Bf125 (ceramic/all metal)	Bf126 (ceramic/all metal)
Detection range	1.5mm	1.5mm	1.5mm	3mm	2mm
Operating voltage	10...30VDC	10...30VDC	10...30VDC	10...30VDC	10...30VDC
Output form	Switch output npn, pnp2 line	Switch output npn, pnp2 line	Switch output npn, pnp2 line	Switch output npn, pnp2 line	Switch output npn, pnp2 line

Appearance



	Bf127 (ceramic/all metal)	fBf129 (ceramic/all metal)	Hx18 (ceramic/all metal)		
Detection range	2mm	2mm	2mm		
Operating voltage	10...30VDC	10...30VDC	10...30VDC		
Output form	Switch output npn, pnp2 line	Switch output npn, pnp2 line	Switch output npn, pnp		

Accessories



			Bracket		

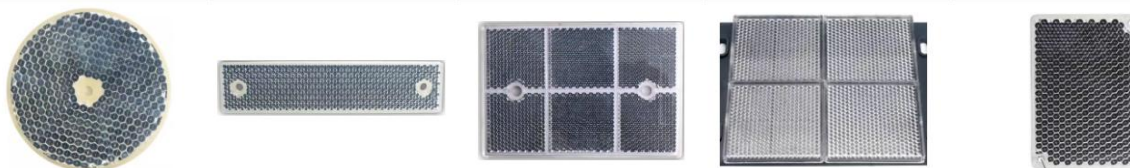
Reflector

Appearance



	Td08 ordinary model	Td08 large honeycomb	Td09 ordinary model	E39r1 large honeycomb	Td02 ordinary model
Ruler 英寸	50*60mm	50*60mm	40*60mm	40*60mm	40*60mm

Appearance



	Td05 large honeycomb	Td07 large honeycomb	Small honeycomb	Small peak nest	Td03 large honeycomb
Size	80mm	180*40mm	120*80mm	100*100mm	57*81mm

Appearance



	Td02 large honeycomb	Big honeycomb	TD01-1	TD01-2	TD01-3
Size 寸	40*60mm	120*100mm	55*85mm	55*75mm	55*105mm

Appearance



	TD04	TD06	Big honeycomb	Long distance	Mini
Ruler 寸	44*60mm	25mm	35*35mm	100mm	14*23mm

Appearance



	Both ears	Strips	Strips	Small honeycomb	Small honeycomb
尺 寸	70*50mm	18*45mm	60*18mm	100*72mm	150*52mm

Connecting wire accessories



Size specifications Specifications	M8*35.5 straight head m8*21 elbow	M8*40.5 straight head m8*21 elbow	M12*40 straight head m12*42 elbow	M12*42 straight head m12*42 elbow	With led M12*40 straight head m12*42 elbow
Operating voltage Operating voltage	60 VAC/DC	60 VAC/DC	250V AC/DC	250 VAC/DC	30VDC Max
Rated current Nominal current	4A	4A	4A	4A	4A
Insulation resistance Insulation resistance	100MΩ	100MΩ	100MΩ	100MΩ	100MΩ
Temperature range Temperature range	-30...+90°C	-30...+90°C	-30...+90°C	-30...+90°C	-30...+90°C
Outer quilt Outer covering	PVC	PVC	PVC	PVC	PU
Carrying material Bearing material	Nickel copper alloy Nickel-copper alloy	Nickel copper alloy Nickel-copper alloy	Nickel copper alloy Nickel-copper alloy	Nickel copper alloy Nickel-copper alloy	Nickel copper alloy Nickel-copper alloy
Level of protection Protection degree	IP67	IP67	IP67	IP67	IP67
Connecting cable material Material	PVC/PU	PVC/PU	PVC/PU	PVC/PU	PVC/PU
Diameter of connecting cable	Φ4.4	Φ4.4	Φ5.2	Φ5.2	Φ5.2
Connecting cable core wire Core wire	3*0.25mm ² (0.1*32)	3*0.25mm ² (0.1*32)	4*0.34mm ² (0.2*11)	4*0.34mm ² (0.2*11)	4*0.34mm ² (0.2*11)
Length of connecting cable Length	2m/5m	2m/5m	2m/5m	2m/5m	2m/5m

Specifications
Specification

Connection diagram connection diagram

	NPN/PNP NO	NPN/PNP NC	NPN/PNP NO+NC	Ac/dc second line no	Ac/dc second line nc
Sanrui straight type Three-core straight type					
Four-core straight type Four-core straight type					
Three-core curved type Three-core curved type					
Four core curved type Four-core curved type					
Three core relay Three-core relay					
Four cores Four-core					

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乐清市嘉尔威电子有限公司成立于 2017 年 9 月份，是一家集研发，生产，销售为一体的综合性企业经验，公司坐落于浙江省温州市，拥有着占地面积 3 千多平方米的工厂，数百名员工。

嘉尔威电子专注于生产各类型超声波传感器，电感式接近开关，电容式接近开关，光电开关，霍尔接近开关等，产品广泛应用于机械工业的各类机床、各种生产机械设备和自动化流水线，尤其是高科技数控机床、机电一体化设备，同时在印刷、塑胶、石油、轻纺、化工、食品、冶金、烟草、电力、仪器等做自动化检测、计数、测速、信号传送、自动保护及限位和位置检测控制之用，对提供自控系统有巨大作用，深受广大客户的信赖和好评。

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