

Sensor Division



CJY Proximity Sensor Cylindrical Type	E01-09
CJY-T Proximity Sensor Cylindrical Connector Type	E10-16
CJY-R Proximity Sensor Cylindrical Cable Connector Type	E17-23
CJY □ S Long Distance Proximity Sensor Cylindrical Type	E24-27
CJY □ S-T Long Distance Proximity Sensor Cylindrical Connector Type	E28-31
CJY □ S-R Long Distance Proximity Sensor Cylindrical Cable Connector Type	E32-35
CJF Proximity Sensor Square Type	E36-42
CJF Proximity Sensor Flat Type	E43-45
CJF Proximity Sensor Cylindrical Type	E46-50
CJF Long Distance Proximity Sensor Flat Type	E51-53
CRY Capacitive Proximity Sensor	E54-56
CMY Analog Proximity Sensor	E57-58
CHY Hall Sensor	E59-60
CXY Magnetic Sensor	E61-62
CGY Photoelectric Sensor Cylindrical Type	E63-68
CGF Photoelectric Sensor Square Type	E69-78
CGU Photoelectric Sensor U Type	E79-82
Sensor Accessories	E83

Features

- Orange mark for standard type
- Light green mark for high-end type
- Inside surge protection, reverse polarity protection
- Long use-life cycle and high reliability, easy install, economic price
- Red LED status indication, easy to confirm work situation
- Protection structure IP67(IEC standard)
- Replaceable for limit switches
- Exclusively designed IC for improving anti-jamming capability

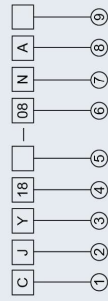


■ Orange

■ Light green



Model Number Structure



Item	Code	Description
① Company code	c	Company code
② Product name	J	Inductive proximity sensor
③ Shape of shell	Y	Cylinder-shaped
④ Dimension code	18	18=M18
⑤ Product type	Without	Without =High-end type (Light green head)
	E	E =Standard type (Orange head)
⑥ Detection distance	08	08=8mm
	K	AC 2wires
⑦ Output mode	L	DC 2wires
	P	PNP 3wires
	N	NPN 3wires
⑧ Output state	A	NO
	B	NC
	C	NO+NC
⑨ Connection	Without	Without: Lead wire
	T	Plug-in
	R	Wiring leads Plug-in

Specifications
DC 3-wire type

Model	High-end type	CJY04-01NA CJY04-01NB CJY04-01PA CJY04-01PB	CJY05-01NA CJY05-01NB CJY05-01PA CJY05-01PB	CJY06-01NA CJY06-01NB CJY06-01PA CJY06-01PB	CJY6.5-1.5NA CJY6.5-1.5NB CJY6.5-1.5PA CJY6.5-1.5PB
Sensing distance	Standard type	/	/	/	/
		1mm	1mm	1mm	1.5mm
Hysteresis		Max. 10% of sensing distance			
Standard sensing target		φ × 8 × 1mm (Iron)	7 × 7 × 1mm (Iron)	3 × 8 × 1mm (Iron)	8 × 8 × 1.5mm (Iron)
Setting distance		0-0.8mm	0-0.8mm	0-1.0mm	0-6.5mm
Power supply (Operating voltage)		12-24VDC (10-30VDC)			
Leakage current		Max. 10mA			
Response frequency (*1)		1500Hz	1500Hz	1000Hz	1000Hz
Residual voltage (*2)		Max. 1.0V			
Affection by Temp.		Max. ± 10% for sensing distance at ambient temperature 20°C			
Control output		Max. 200mA			
Insulation resistance		Min. 50MΩ (at 500VDC megger)			
Dielectric strength		1500VAC 50/60Hz for 1minute			
Vibration		1mm amplitude at frequency of 10 to 55Hz (for 1 min.) in each of X, Y, Z directions for 2 hours			
Shock		500mis ² (approx. 50G) X, Y, Z directions for 3 times			
Indicator		Operation indicator (red LED)			
Ambient temperature		-25~+70°C (No icing)			
Storage temperature		-30~+80°C (No icing)			
Ambient humidity		35~95%RH (No condensation)			
Protection circuit		Surge protection circuit, Reverse polarity protection circuit, Overcurrent protection circuit			
Material		Case/Nut: Nickel plated Brass, Washer: Nickel plated Iron, Sensing surface: PBT Standard cable(Grey); Polyvinyl chloride(PVC), Oil resistant cable(Black); Oil resistant Polyvinyl chloride(PVC)			
Cable		AWG22, Core diameter: 0.1mm, Number of cores: 22, Insulator diameter: φ 1.25			
Protection		IP67			

(※1): The response frequency is the average value. The standard sensing target is used and the width is set as 2 times of the standard sensing target, 1/2 of the sensing distance for the distance.



Specifications
DC 3-wire type

High-end type	CJY08-01NA	CJY12-02NA	CJY18-05NA	CJY18-08NA	CJY30-10NA	CJY30-15NA
	CJY08-01NB	CJY12-02NB	CJY18-05NB	CJY18-08NB	CJY30-10NB	CJY30-15NB
Standard type	CJY08-01PA	CJY12-02PA	CJY18-05PA	CJY18-08PA	CJY30-10PA	CJY30-15PA
	CJY08-01PB	CJY12-02PB	CJY18-05PB	CJY18-08PB	CJY30-10PB	CJY30-15PB
	CJY08-01NA	CJY12-02NA	CJY18-05NA	CJY18-08NA	CJY30-10NA	CJY30-15NA
	CJY08-01NB	CJY12-02NB	CJY18-05NB	CJY18-08NB	CJY30-10NB	CJY30-15NB
Sensing distance	1mm	2mm	5mm	8mm	10mm	15mm
	8 × 8 × 1mm (Iron)	12 × 12 × 1mm (Iron)	18 × 18 × 1mm (Iron)	25 × 25 × 1mm (Iron)	30 × 30 × 1mm (Iron)	45 × 45 × 1mm (Iron)
	0~0.8mm	0~1.4mm	0~2.8mm	0~5.6mm	0~7mm	0~10.5mm
	Max. 10% of sensing distance					
Power supply (Operating voltage)	12-24VDC (10-30VDC)					
Leakage current	Max. 10mA					
Response frequency (※1)	1000Hz	1000Hz	500Hz	350Hz	400Hz(High-end) 350Hz(standard)	200Hz
Residual voltage	Max. 1.0V					
Affection by Temp.	Max. ± 10% for sensing distance at ambient temperature 20 °C					
Control output	Max. 200mA					
Insulation resistance	Min. 50MΩ (at 500VDC megger)					
Dielectric strength	1500VAC 50/60Hz for 1minute					
Vibration	1mm amplitude at frequency of 10 to 55Hz(for 1 min.) in each of X, Y, Z directions for 2 hours					
Shock Indicator	500m/s ² (approx. 50G) X, Y, Z directions for 3 times Operation indicator(red LED)					
Ambient temperature	-25~+70 °C (No icing)					
Storage temperature	-30~+80 °C (No icing)					
Ambient humidity	35~95%RH (No condensation)					
Protection circuit	Surge protection circuit, Reverse polarity protection circuit, Overcurrent protection circuit					
Material	Case/Nut: Nickel plated Brass, Washer: Nickel plated Iron, Sensing surface: PBT Standard cable(Grey), Polyvinyl chloride(PVC), Oil resistant cable(Black); Oil resistant Polyvinyl chloride(PVC)					
High-end type	φ 2.8, 3P, 2m	φ 3.8, 3P, 4P, 2m	φ 4.8, 3P, 4P, 2m			
	(AWG22, Core diameter: 0.1mm, Number of cores: 22, Insulator diameter: φ 1.25)	(AWG22, Core diameter: 0.1mm, Number of cores: 25, Insulator diameter: φ 1.25)	(AWG22, Core diameter: 0.1mm, Number of cores: 30, Insulator diameter: φ 1.25)			
Standard type	φ 2.8, 3P, 1.5m	φ 3.8, 3P, 4P, 1.5m	φ 4.8, 3P, 4P, 1.5m			
	(AWG22, Core diameter: 0.1mm, Number of cores: 22, Insulator diameter: φ 1.25)	(AWG22, Core diameter: 0.1mm, Number of cores: 25, Insulator diameter: φ 1.25)	(AWG22, Core diameter: 0.1mm, Number of cores: 30, Insulator diameter: φ 1.25)			
Protection	IP67					

(※ 1): The response frequency is the average value. The standard sensing target is used and the width is set as 2 times of the standard sensing target. 1/2 of the sensing distance for the distance.

Specifications
DC 2-wire type

High-end type	CJY08-01LA	CJY12-02LA	CJY18-05LA	CJY18-08LA	CJY30-10LA	CJY30-15LA
	CJY08-01LB	CJY12-02LB	CJY18-05LB	CJY18-08LB	CJY30-10LB	CJY30-15LB
Standard type	CJY08E-01LA	CJY12E-02LA	CJY18E-05LA	CJY18E-08LA	CJY30E-10LA	CJY30E-15LA
	CJY08E-01LB	CJY12E-02LB	CJY18E-05LB	CJY18E-08LB	CJY30E-10LB	CJY30E-15LB
	1mm	2mm	5mm	8mm	10mm	15mm
	8 × 8 × 1mm (Iron)	12 × 12 × 1mm (Iron)	18 × 18 × 1mm (Iron)	25 × 25 × 1mm (Iron)	30 × 30 × 1mm (Iron)	45 × 45 × 1mm (Iron)
Power supply (Operating voltage)	12-24VDC (10-30VDC)					
Leakage current	Max. 0.6mA					
Response frequency (※1)	1000Hz	1000Hz	500Hz	350Hz	350Hz	200Hz
Residual voltage	Max. 3.5V					
Affection by Temp.	Max. ± 10% for sensing distance at ambient temperature 20 °C					
Control output	Max. 200mA					
Insulation resistance	Min. 50MΩ (at 500VDC megger)					
Dielectric strength	1500VAC 50/60Hz for 1minute					
Vibration	1mm amplitude at frequency of 10 to 55Hz(for 1 min.) in each of X, Y, Z directions for 2 hours					
Shock Indicator	500m/s ² (approx. 50G) X, Y, Z directions for 3 times Operation indicator(red LED)					
Ambient temperature	-25~+70 °C (No icing)					
Storage temperature	-30~+80 °C (No icing)					
Ambient humidity	35~95%RH (No condensation)					
Protection circuit	Surge protection circuit					
Material	Case/Nut: Nickel plated Brass, Washer: Nickel plated Iron, Sensing surface: PBT Standard cable(Grey), Polyvinyl chloride(PVC), Oil resistant cable(Black); Oil resistant Polyvinyl chloride(PVC)					
High-end type	φ 2.8, 2P, 2m	φ 3.8, 2P, 2m	φ 4.8, 2P, 2m			
	(AWG22, Core diameter: 0.1mm, Number of cores: 22, Insulator diameter: φ 1.25)	(AWG22, Core diameter: 0.1mm, Number of cores: 25, Insulator diameter: φ 1.25)	(AWG22, Core diameter: 0.1mm, Number of cores: 30, Insulator diameter: φ 1.25)			
Standard type	φ 2.8, 2P, 1.5m	φ 3.3, 2P, 1.5m	φ 4.8, 2P, 1.5m			
	(AWG22, Core diameter: 0.1mm, Number of cores: 22, Insulator diameter: φ 1.25)	(AWG22, Core diameter: 0.1mm, Number of cores: 25, Insulator diameter: φ 1.25)	(AWG22, Core diameter: 0.1mm, Number of cores: 30, Insulator diameter: φ 1.25)			
Protection	IP67					

(※ 1): The response frequency is the average value. The standard sensing target is used and the width is set as 2 times of the standard sensing target. 1/2 of the sensing distance for the distance.

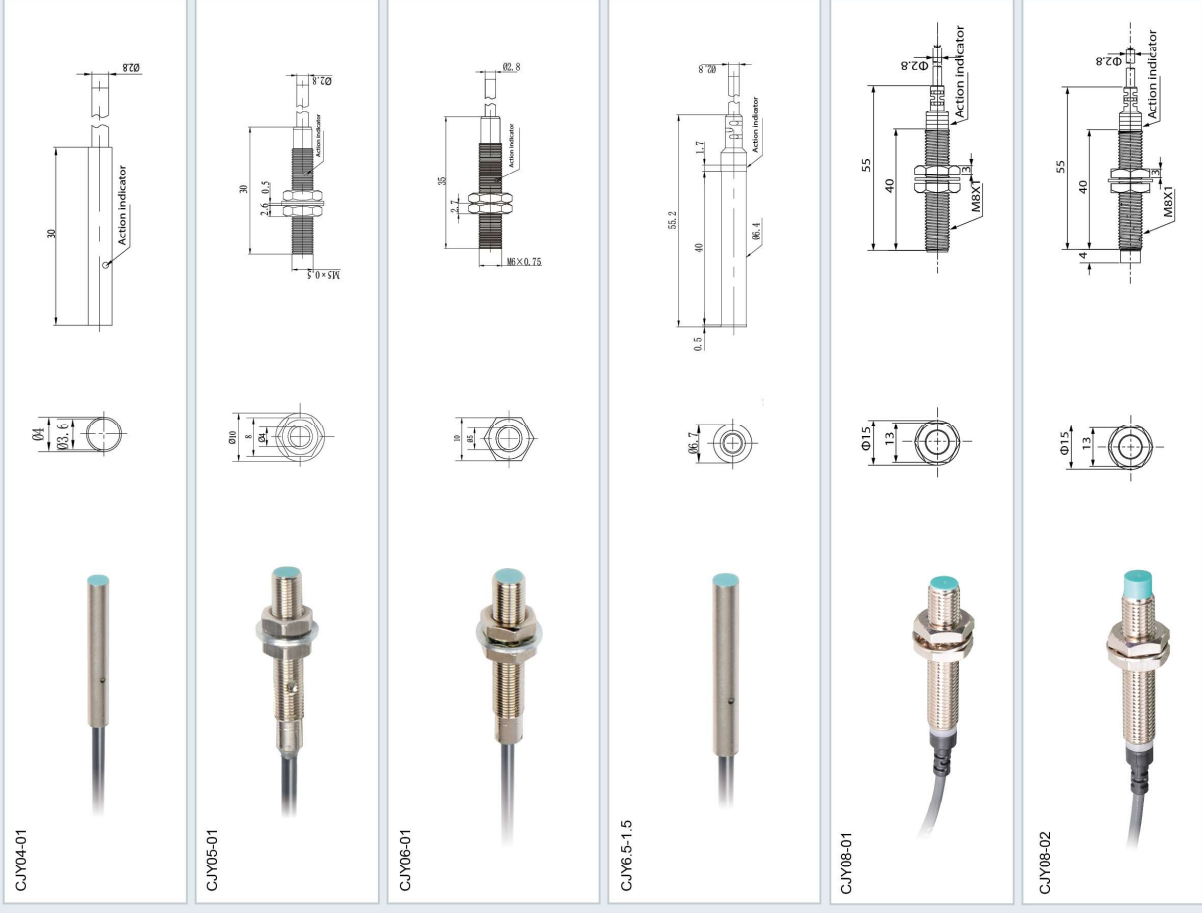


Specifications
AC 2-wire type

Model	High-end type	CJY12-04KA CJY12-04KB	CJY18-05KA CJY18-05KB	CJY18-08KA CJY18-08KB	CJY30-10KA CJY30-10KB	CJY30-15KA CJY30-15KB
	Standard type	CJY12E-02KA CJY12E-02KB	CJY12E-04KA CJY12E-04KB	CJY18E-05KA CJY18E-05KB	CJY18E-08KA CJY18E-08KB	CJY30E-10KA CJY30E-10KB
Sensing distance	2mm	4mm	5mm	8mm	10mm	15mm
Hysteresis	Max. 10% of sensing distance					
Standard sensing target	12 × 12 × 1mm (Iron)	18 × 18 × 1mm (Iron)	25 × 25 × 1mm (Iron)	30 × 30 × 1mm (Iron)	45 × 45 × 1mm (Iron)	
Setting distance	0~1.4mm	0~2.8mm	0~3.5mm	0~5.6mm	0~7mm	0~10.5mm
Power supply (Operating voltage)	24-250VAC()					
Leakage current	90-250VAC () Max. 10mA					
Response frequency (※1)	20Hz					
Residual voltage	Max. 10V					
Affection by Temp.	Max. ± 10% for sensing distance at ambient temperature 20 °C					
Control output	Max. 200mA					
Insulation resistance	Min. 50MΩ (at 500VDC megger)					
Dielectric strength	1500VAC 50/60Hz for 1minute					
Vibration	1mm amplitude at frequency of 10 to 55Hz(for 1 min.) in each of X, Y, Z directions for 2 hours					
Shock Indicator	500m/s ² (approx. 50G) X, Y, Z directions for 3times Operation indicator(red LED)					
Ambient temperature	-25~+70 °C (No icing)					
Storage temperature	-30~+80 °C (No icing)					
Ambient humidity	35~95%RH (No condensation)					
Protection circuit	Surge protection current					
Material	Case/Nut: Nickel plated Brass, Washer: Nickel plated Iron, Sensing surface: 2BT, Standard cable(Gray): Polyvinyl chloride(PVC), Oil resistant cable(Black): Oil resistant Polyvinyl chloride(PVC)					
High-end type	Cable	φ 3.8, 2P, 2m	φ 4.8, 2P, 2m			
		(AWG22, Core diameter: 0.1mm, Number of cores: 25, Insulator diameter: φ 1.25)	(AWG22, Core diameter: 0.1mm, Number of cores: 30, Insulator diameter: φ 1.25)			
Standard type	Cable	φ 3.8, 2P, 1.5m	φ 4.8, 2P, 1.5m			
		(AWG22, Core diameter: 0.1mm, Number of cores: 25, Insulator diameter: φ 1.25)	(AWG22, Core diameter: 0.1mm, Number of cores: 30, Insulator diameter: φ 1.25)			
Protection	IP67					

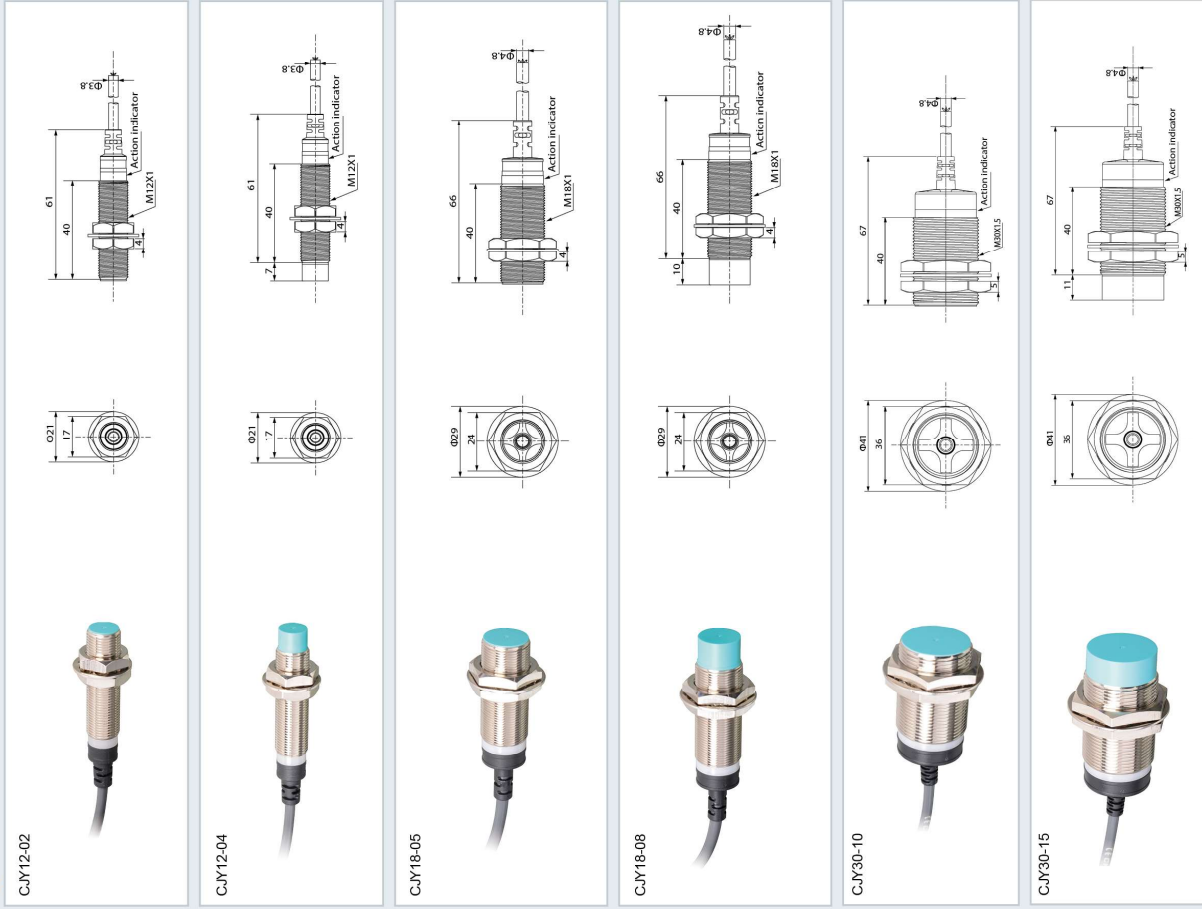
(※1): The response frequency is the average value. The standard sensing target is used and the width is set as 2 times of the standard sensing target, 1/2 of the sensing distance for the distance.

Appearance and Dimension

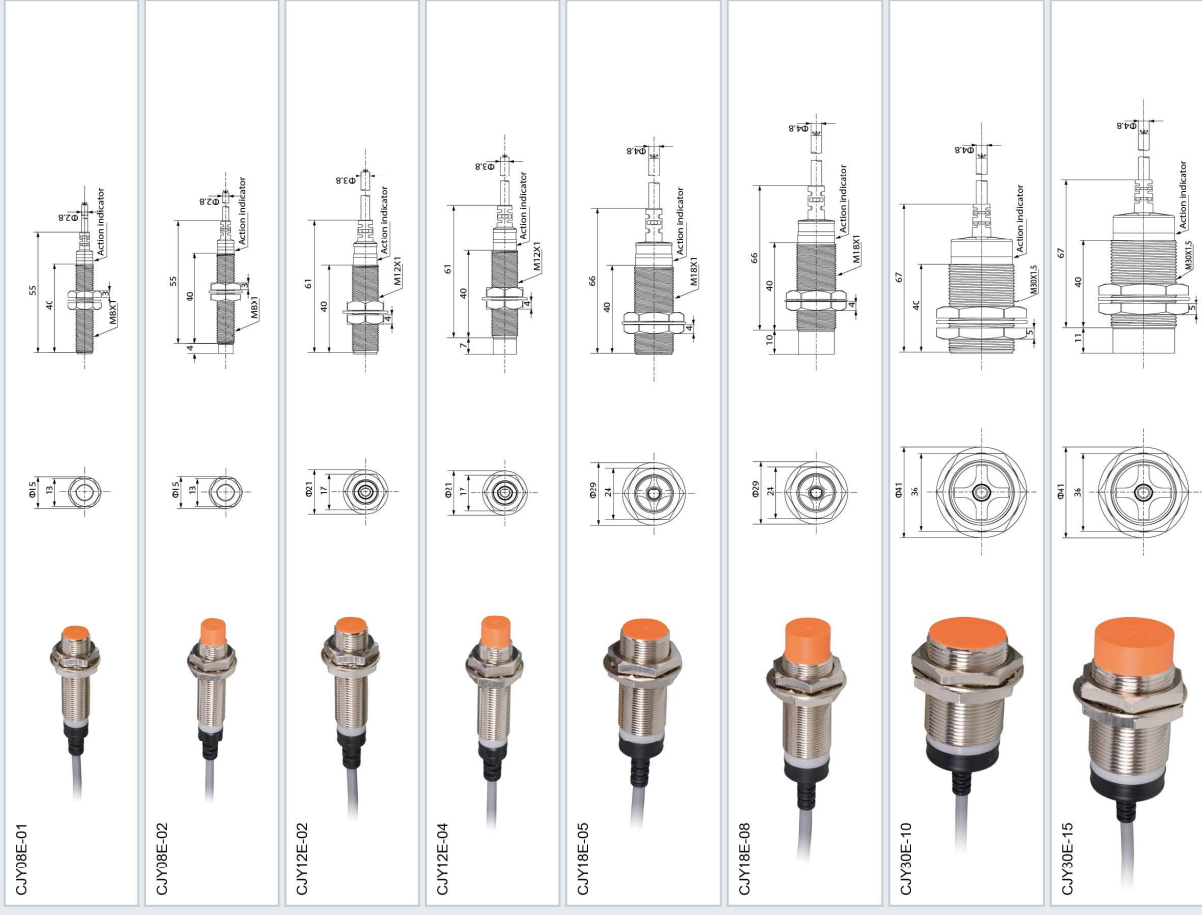




Appearance and Dimension



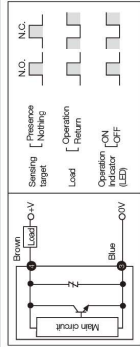
Appearance and Dimension



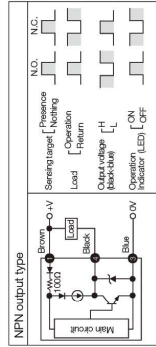
CJY Proximity Sensor Cylindrical Type

Control Output Diagram

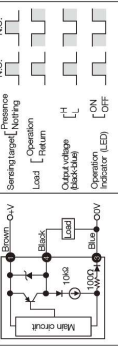
DC 2-wire type



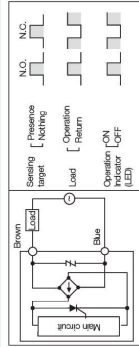
DC 3-wire type



PNP output type



AC 2-wire type



Proper Usage

Mutual-interference
When several proximity sensors are mounted close to one another a malfunction of the sensor may be caused due to mutual interference. Therefore, be sure to provide a minimum distance between the two sensors as below chart indicates.

Item	Model	CJY08-01 CJY08E-01	CJY08-02 CJY08E-02	CJY12-02 CJY12E-02	CJY12-04 CJY12E-04	CJY18-05 CJY18E-05	CJY18-08 CJY18E-08	CJY30-10 CJY30E-10	CJY30-15 CJY30E-15
A		9	12	12	24	30	48	60	90
B		16	24	24	36	36	54	60	90
l		0	8	0	11	0	14	0	15
φ.d		8	24	12	36	18	54	30	90
m		4.5	6	6	12	15	24	30	45
n		12	24	18	36	27	54	45	90

CJY-T Proximity Sensor Cylindrical Connector Type

Features

- Orange mark for standard type
- Light green mark for high-end type
- Exclusively designed IC for improving anti-jamming capability
- Inside surge protection, reverse polarity protection, overcurrent protection
- Long use-life cycle and high reliability, easy install, economic price
- Red LED status indication, easy to confirm work situation
- Protection structure IP65(IEC standard)
- Replaceable for limit switches



Orange



Light green

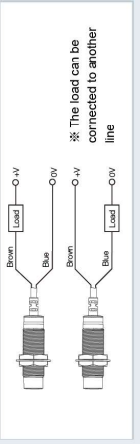
Model Number Structure



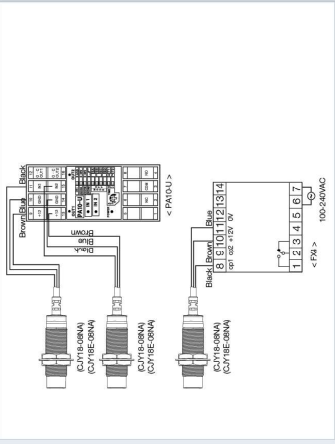
Item	Code	Description
1 Company code	C	
2 Product name	-	Inductive proximity sensor
3 Shape of shell	Y	Cylinder-shaped
4 Dimension code	18	18=M18
5 Product type	Without	Without = High-end type (Light green head)
6 Detection distance	E	E=Standard type (Orange head)
	03	03=8mm
	K	AC 2wires
	L	DC 2wires
	P	PNP 3wires
	N	NPN 3wires
	A	NO
	B	NC
	C	NO+NC
	Without	Without: Lead wire
	T	Plug-in
	R	Wiring leads Plug-in

Connections

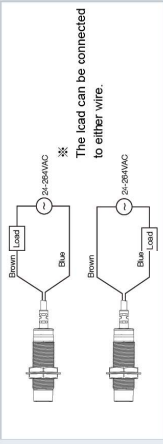
DC 2-wire type



DC 3-wire type



AC 2-wire type



Influence by surrounding metals

When sensors are mounted on metallic panel, you must prevent the sensors from being affected by any metallic object except target. Therefore, be sure to provide a minimum distance as below chart indicates.



Specifications
DC 3-wire type

High-end type	CJY12-02NAT	CJY12-04NAT	CJY18-05NAT	CJY18-08NAT	CJY30-10NAT	CJY30-15NAT
	CJY12-02NBT	CJY12-04NBT	CJY18-05NBT	CJY18-08NBT	CJY30-10NBT	CJY30-15NBT
Standard type	CJY12-02PAT	CJY12-04PAT	CJY18-05PAT	CJY18-08PAT	CJY30-10PAT	CJY30-15PAT
	CJY12-02PBT	CJY12-04PBT	CJY18-05PBT	CJY18-08PBT	CJY30-10PBT	CJY30-15PBT
Model	CJY12-02PCT	CJY12-04PCT	CJY18-05PCT	CJY18-08PCT	CJY30-10PCT	CJY30-15PCT
	CJY12E-02NAT	CJY12E-04NAT	CJY18E-05NAT	CJY18E-08NAT	CJY30E-10NAT	CJY30E-15NAT
Sensing distance	CJY12E-02NBT	CJY12E-04NBT	CJY18E-05NBT	CJY18E-08NBT	CJY30E-10NBT	CJY30E-15NBT
	CJY12E-02PAT	CJY12E-04PAT	CJY18E-05PAT	CJY18E-08PAT	CJY30E-10PAT	CJY30E-15PAT
Hysteresis	CJY12E-02PBT	CJY12E-04PBT	CJY18E-05PBT	CJY18E-08PBT	CJY30E-10PBT	CJY30E-15PBT
	CJY12E-02PCT	CJY12E-04PCT	CJY18E-05PCT	CJY18E-08PCT	CJY30E-10PCT	CJY30E-15PCT
Standard sensing target	12 × 12 × 1mm (Iron)	18 × 18 × 1mm (Iron)	25 × 25 × 1mm (Iron)	30 × 30 × 1mm (Iron)	45 × 45 × 1mm (Iron)	
Setting distance	0~1.4mm	0~2.8mm	0~3.5mm	0~5.6mm	0~7mm	0~10.5mm
Power supply (Operating voltage)	12-24VDC (10-30VDC)					
Leakage current	Max. 10mA					
Response frequency (※1)	1000Hz	500Hz	500Hz	350Hz	350Hz(High-end) 400Hz(standard)	20CHz
Residual voltage	Max. 1.0V					
Affection by Temp.	Max. ± 10% for sensing distance at ambient temperature 20 °C					
Control output	Max. 200mA					
Insulation resistance	Min. 50MΩ (at 500VDC megger)					
Dielectric strength	1500VAC 50/60Hz for 1minute					
Vibration	1mm amplitude at frequency of 10 to 56Hz(for 1 min.) in each of X, Y, Z directions for 2 hours					
Shock	500ms ² (approx. 50G) X, Y, Z directions for 3 times					
Indicator	Operation indicator(red LED)					
Ambient temperature	-25~+70 °C (No icing)					
Storage temperature	-30~+80 °C (No icing)					
Ambient humidity	35~95%RH (No condensation)					
Protection circuit	Surge protection circuit, Reverse polarity protection circuit, Overcurrent protection circuit					
Material	Case/Nut: Nickel plated Brass. Washer: Nickel plated Iron, Sensing surface: PBT					
Protection	IP65					

(※1): The response frequency is the average value. The standard sensing target is used and the width is set as 2 times of the standard sensing target. 1/2 of the sensing distance for the distance.

Specifications
DC 2-wire type

High-end type	CJY12-02LAT	CJY12-04LAT	CJY18-05LAT	CJY18-08LAT	CJY30-10LAT	CJY30-15LAT
	CJY12-02LBT	CJY12-04LBT	CJY18-05LBT	CJY18-08LBT	CJY30-10LBT	CJY30-15LBT
Standard type	CJY12E-02LAT	CJY12E-04LAT	CJY18E-05LAT	CJY18E-08LAT	CJY30E-10LAT	CJY30E-15LAT
	CJY12E-02LBT	CJY12E-04LBT	CJY18E-05LBT	CJY18E-08LBT	CJY30E-10LBT	CJY30E-15LBT
Model	CJY12E-02PBT	CJY12E-04PBT	CJY18E-05PBT	CJY18E-08PBT	CJY30E-10PBT	CJY30E-15PBT
	CJY12E-02PCT	CJY12E-04PCT	CJY18E-05PCT	CJY18E-08PCT	CJY30E-10PCT	CJY30E-15PCT
Sensing distance	2mm	4mm	5mm	8mm	10mm	15mm
Hysteresis	Max. 10% of sensing distance					
Standard sensing target	12 × 12 × 1mm (Iron)	18 × 18 × 1mm (Iron)	25 × 25 × 1mm (Iron)	30 × 30 × 1mm (Iron)	45 × 45 × 1mm (Iron)	
Setting distance	0~1.4mm	0~2.8mm	0~3.5mm	0~5.6mm	0~7mm	0~10.5mm
Power supply (Operating voltage)	12-24VDC (10-30VDC)					
Leakage current	Max. 0.6mA					
Response frequency (※1)	1000Hz	500Hz	500Hz	350Hz	350Hz	200Hz
Residual voltage	Max. 3.5V					
Affection by Temp.	Max. ± 10% for sensing distance at ambient temperature 20 °C					
Control output	Max. 200mA					
Insulation resistance	Min. 50MΩ (at 500VDC megger)					
Dielectric strength	1500VAC 50/60Hz for 1minute					
Vibration	1mm amplitude at frequency of 10 to 56Hz(for 1 min.) in each of X, Y, Z directions for 2 hours					
Shock	500ms ² (approx. 50G) X, Y, Z directions for 3 times					
Indicator	Operation indicator(red LED)					
Ambient temperature	-25~+70 °C (No icing)					
Storage temperature	-30~+80 °C (No icing)					
Ambient humidity	35~95%RH (No condensation)					
Protection circuit	Surge protection circuit					
Material	Case/Nut: Nickel plated Brass. Washer: Nickel plated Iron, Sensing surface: PBT					
Protection	IP65					

(※1): The response frequency is the average value. The standard sensing target is used and the width is set as 2 times of the standard sensing target. 1/2 of the sensing distance for the distance.

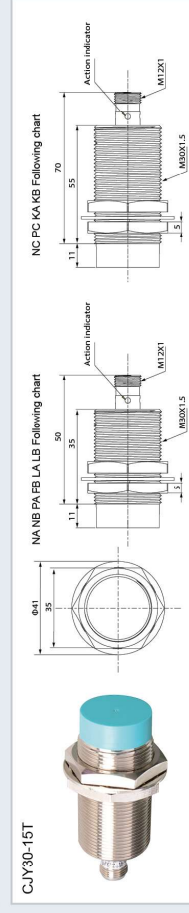
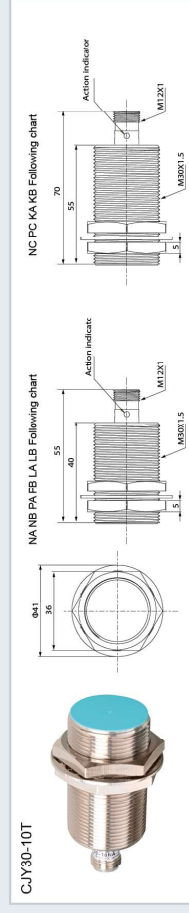
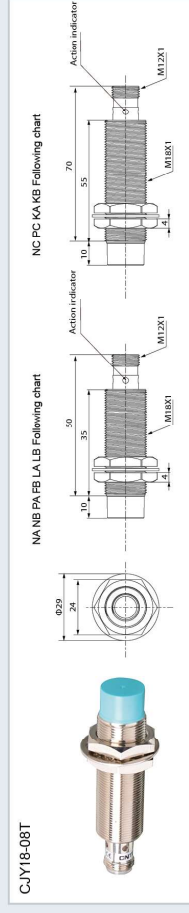
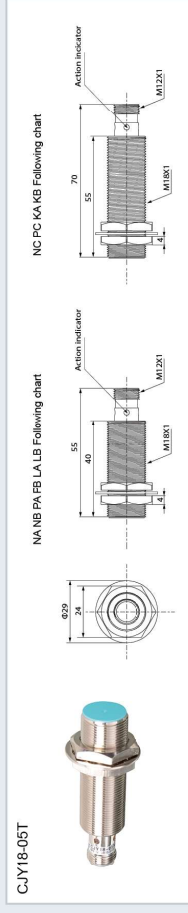
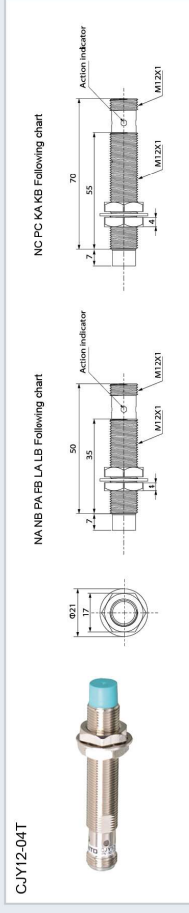
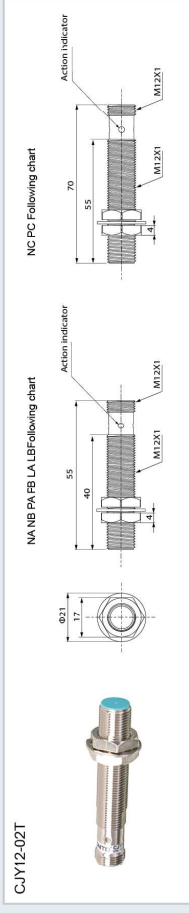


Specifications
AC 2-wire type

Model	High-end type	/				CJY18-08KAT CJY18-08KBT		CJY30-10KAT CJY30-10KBT		CJY30-15KAT CJY30-15KBT	
	Standard type	CJY12E-02KAT CJY12E-02KBT	CJY12E-04KAT CJY12E-04KBT	CJY18E-05KAT CJY18E-05KBT	CJY18E-08KAT CJY18E-08KBT	CJY30E-10KAT CJY30E-10KBT	CJY30E-15KAT CJY30E-15KBT				
Sensing distance	2mm	4mm	5mm	8mm	10mm	15mm	Max. 10% of sensing distance				
Hysteresis											
Standard sensing target	12 × 12 × 1mm (Iron)	18 × 18 × 1mm (Iron)	25 × 25 × 1mm (Iron)	30 × 30 × 1mm (Iron)	45 × 45 × 1mm (Iron)						
Selling distance	0~1.4mm	0~2.8mm	0~3.5mm	0~5.8mm	0~7mm	0~10.5mm					
Power supply (Operating voltage)	90-250VAC										
Leakage current	Max. 10mA										
Response frequency (※1)	20Hz										
Residual voltage	Max. 10V										
Affection by Temp.	Max. ± 10% for sensing distance at ambient temperature 20 °C										
Control output	Max. 200mA										
Insulation resistance	Min. 50MΩ (at 500VDC megger)										
Dielectric strength	1500VAC 50/60Hz for 1minute										
Vibration	1mm amplitude at frequency of 10 to 56Hz (for 1 min.) in each of X, Y, Z directions for 2 hours										
Shock	500ms ² (approx. 50G) X, Y, Z directions for 3 times										
Indicator	Operation indicator (red LED)										
Ambient temperature	-25~+70 °C (No icing)										
Storage temperature	-30~+80 °C (No icing)										
Ambient humidity	35~95%RH (No condensation)										
Protection circuit	Surge protection current										
Material	Case/Nut: Nickel plated Brass. Washer: Nickel plated Iron, Sensing surface: PBT										
Protection	IP65										

(※1): The response frequency is the average value. The standard sensing target is used and the width is set as 2 times of the standard sensing target, 1/2 of the sensing distance for the distance.

Appearance and Dimension





Appearance and Dimension

 CJY12E-02T	 NA NB NC PA PB PC LA LB Following chart Action indicator M12X1 70 55 40 17 Ø21	 CJY12E-04T	 KA KB Following chart Action indicator M12X1 70 55 40 17 Ø21	 CJY18E-05T	 NA NB NC PA PB PC LA LB Following chart Action indicator M12X1 70 55 40 17 Ø29	 CJY18E-08T	 KA KB Following chart Action indicator M12X1 70 55 40 17 Ø29	 CJY30E-10T	 NA NB NC PA PB PC LA LB Following chart Action indicator M12X1 70 55 40 17 Ø41	 CJY30E-15T	 KA KB Following chart Action indicator M12X1 70 55 40 17 Ø41
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Control Output Diagram

DC 2-wire type

DC 3-wire type

AC 2-wire type

Wiring Diagram

DC 2-wire type (Standard type)

DC 3-wire type (IEC standard type)

DC 3-wire type

AC 2-wire type

Proper Usage

When several proximity sensors are mounted close to one another a malfunction of the sensor may be caused due to mutual interference. Therefore, be sure to provide a minimum distance between the two sensors as below chart indicates.

Influence by surrounding metals

When sensors are mounted on metallic panel, you must prevent the sensors from being affected by any metallic object except target. Therefore, be sure to provide a minimum distance as below chart indicates.

Item	CJY12-02T	CJY12-04T	CJY18E-05T	CJY18E-08T	CJY30E-10T	CJY30E-15T
A	12	24	30	48	60	90
B	24	36	36	54	60	90
ℓ	0	11	0	14	0	15
φ-d	12	36	18	54	30	90
m	6	12	15	24	30	45
n	18	36	27	54	45	90