

Photoelectric Sensor

**Z SERIES**

- ZT-1200□□□□-□
- ZR - 350□□□□-□
- ZD - 70□□□□-□
- ZD - L09□□□□-□

**INSTRUCTION MANUAL**

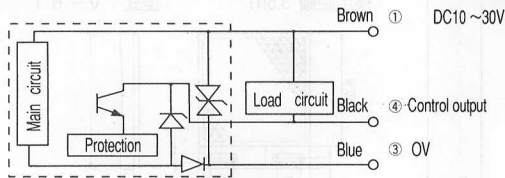
- Confirm if the item meets your needs.
- Before the use, you should first thoroughly read this manual and operate correctly as mentioned.
- You should keep this manual at hand for proper use.

	Through beam	Retro ref.	Diffused ref.	Limited range
Cable type	ZT 1200 (N,P) (D) (-B)	ZR-350 (N,P) (D) (-B)	ZD-70 (N,P) (-B)	ZD-L09 (N,P) (-B)
Connector type	ZT 1200C (N,P) (D) (-B)	ZR-350C (N,P) (D) (-B)	ZD-70C (N,P) (-B)	ZD-L09C (N,P) (-B)
Detecting distance	12m	3.5m	70cm	10~90mm
Supply voltage	DC10~30V Including ripple (P-P) 10%			
Current consumption	Sender : 20mA max.		20mA max.	
	Receiver : 15mA max.			
Response time	0.5ms max.			
Control output	NPN/PNP Open collector 100mA max./DC30V			
Operation mode	Light ON, Dark ON Selectable by switch/Dark ON fixed (depend on model)			
Sensitivity adjustment	1 turn volume/Not equipped (depend on model)			
Indicator	Output indicator (orange LED) / Stable indicator (green LED)			
Ambient temp./humidity	-25~55°C / 35~85%RH			
Protection category/material	IP67 / Case : ABS (glass included) Front cover : PMMA			

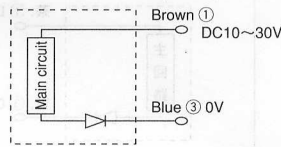
'D' in the type : Sensitivity adjustor is not equipped and dark on fixed.  
'B' in the type : Without accessories. (bracket, reflector)

**INPUT AND OUTPUT CIRCUIT DIAGRAMS**

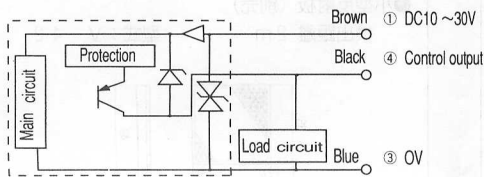
**NPN type**



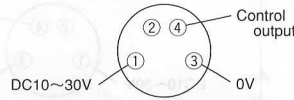
**Through beam emitter**



**PNP type**

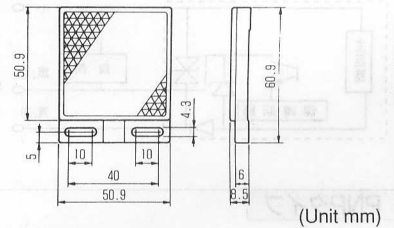


**Connector pin No.**

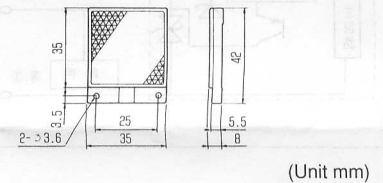


**ACCESSORIES**

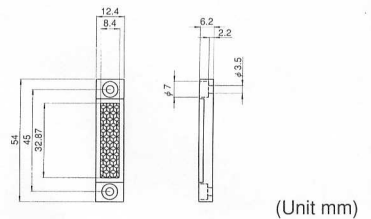
- Standard reflector (for Retro-ref.)  
Detecting distance 3.5m Type : V - 6 1



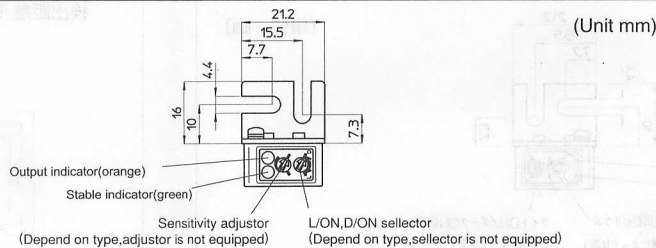
- Optional reflector  
Detecting distance 2m Type : V - 4 2



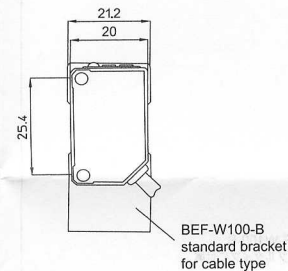
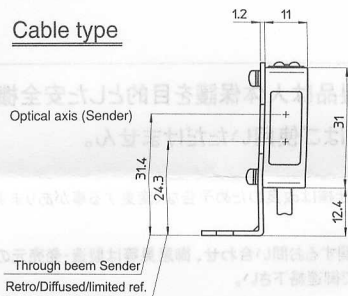
- Optional reflector  
Detecting distance 1.2m Type : P - 4 5



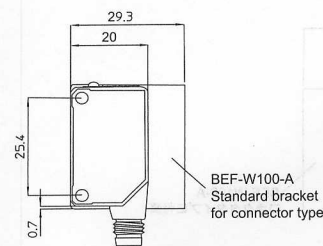
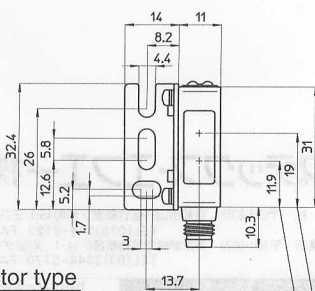
**DIMENSIONS**



**Cable type**



**Connector type**



! Must not use this item as safety equipment for the purpose of human body protection.

- Specifications and equipment are subject to change without any obligations on the part of manufacture.
- For more information, questions and comments regarding products, please contact us below.

Manufactured and sold by :

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