SANIL

SPEC. NO : SPC-072

Specification

Classification : Amp separated sensor head(Thru beam)

Model : BT-12series

표지포함 6매

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결재	지세시리아 2006/07/31		국중근 2006/08/07

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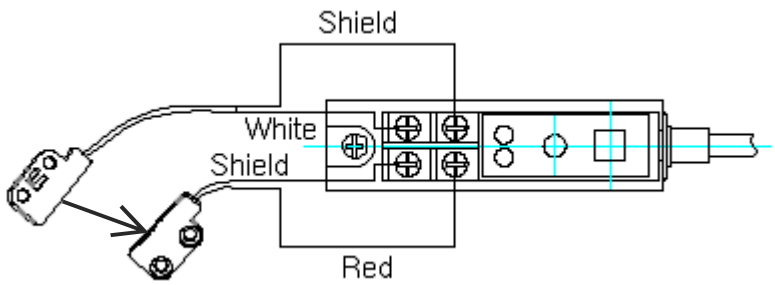
Specification

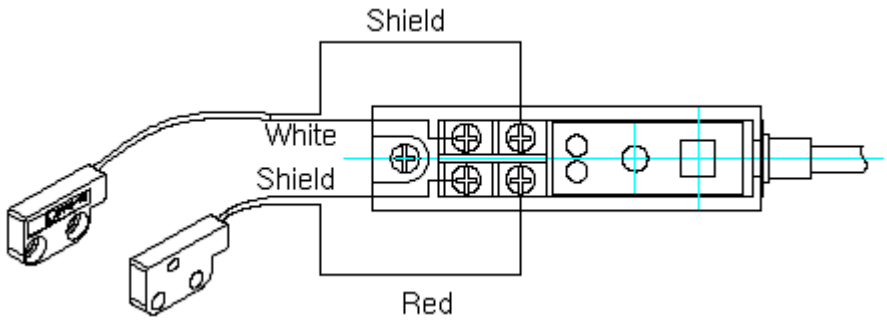
Model	Amp separated sensor head(Thru beam)	
	BT-12	BT-12F
Supply Voltage	12~24V DC±10% Ripple P~P Max. 10%(SB-99)	
Consumption current	Max. 35㎃(SB-99 + BT-12)	
Sensing Output	Current sink : Max.100㎃, Applied voltage : Max. 30V DC(SB-99 + BT-12)	
	Residual voltage : Max. 1.0V at 100㎃ current sink, Max. 0.4V at 16㎃ current sink(SB-99 + BT-12)	
Sensing Distance	300㎜	
Smallest sensing object	∅0.3	
Source of Light	Infrared LED	
Response time	Max. 0.5㎳(SB-99 + BT-12)	
Ambient illumination	Sunlight : Max. 11,000Lx, Incandescent lamp : Max. 3,000Lx	
Ambient temperature	Operation : -10~+60℃, Storage : -20~+70℃(Non-freezing condition)	
Ambient humidity	35~85%RH	
Insulation	Min. 25㏁(DC 500V megger)	
Dielectric	AC 1000V applied between live parts and enclosure at 250V DC	
Shock	100㎨ (approx 10G) impulse in each of X, Y, Z direction for 2times each in power OFF state	
Vibration	10~55㎐ 1.5㎜ P-P amplitude, 2hours each in X, Y, Z directions	
Cable	∅1.7 × 1P shield(Projector : Red, Receiver : White) × 2m	

Components

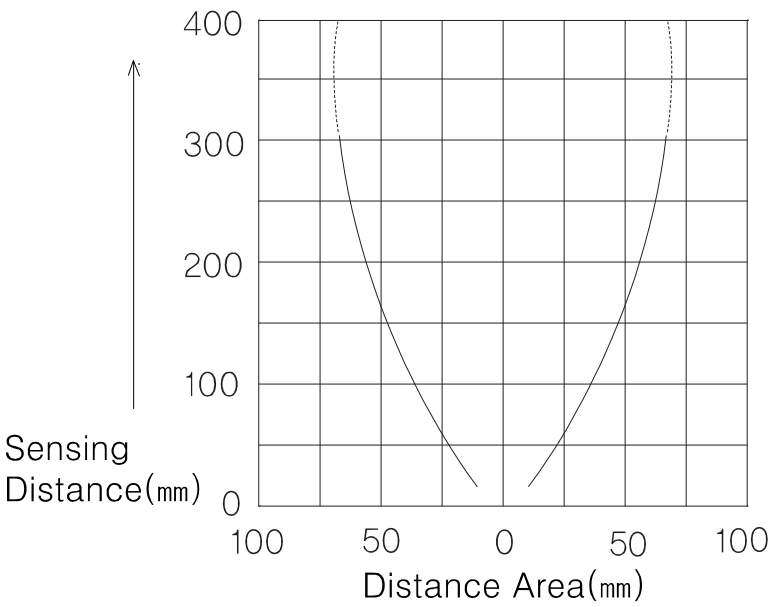
◎ SB-99 + BT-12



◎SB-99 + BT-12F

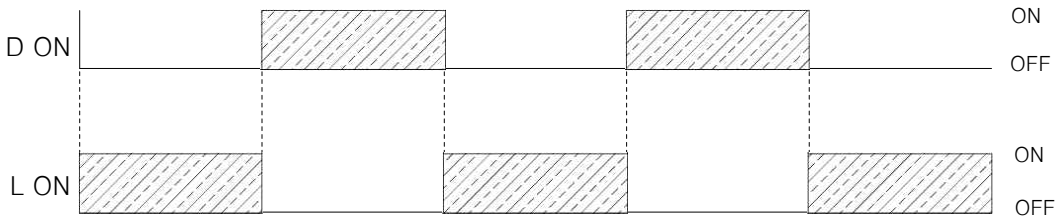


Sensing distance characteristic



Operational timing chart

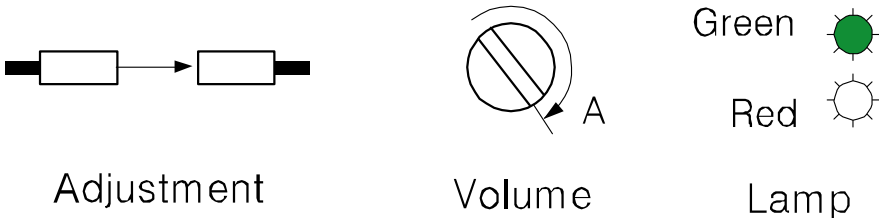
◎ Normal operation



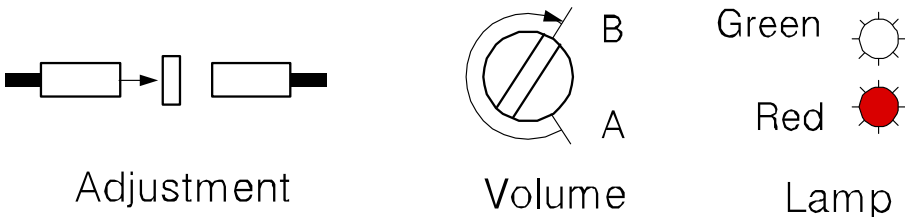
Adjustment method

◎ Thru beam type

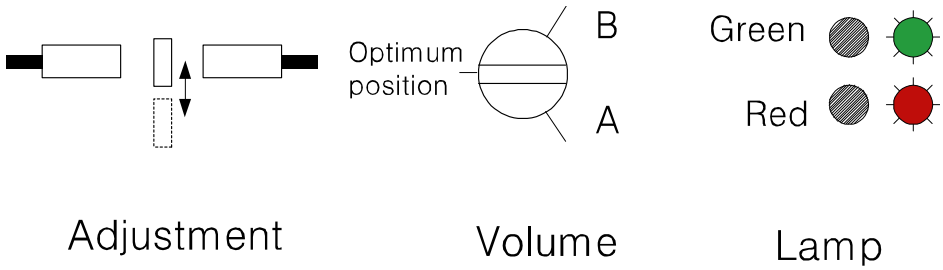
1. In state of no detective object, turn volume to the right for Green lamp. This point is A.



2. In state of no detective object, turn to the right for Red lamp. This point is B. (If no lamp, B is the point to turn to end.)



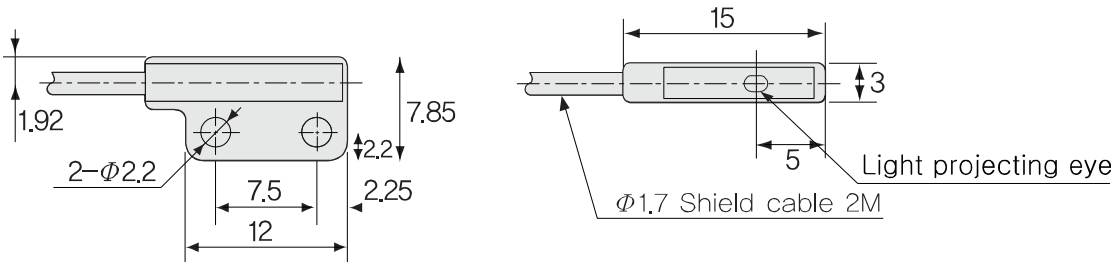
3. Fix volume in the middle of A and B, and check sensor's operation.



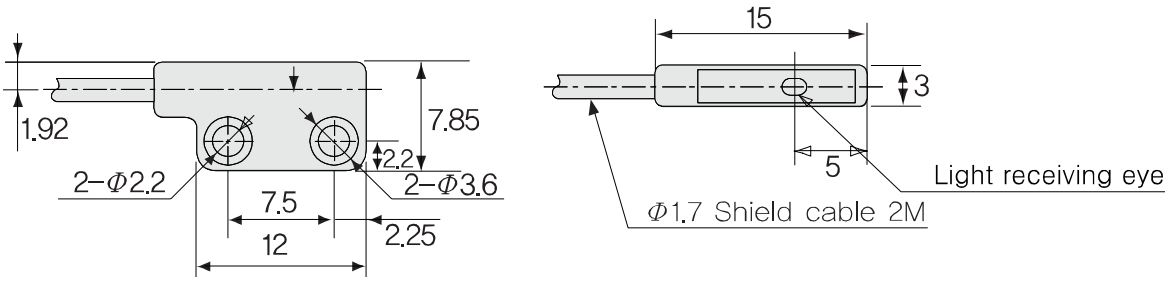
Outline dimension

◎ BT-12

(Projector)

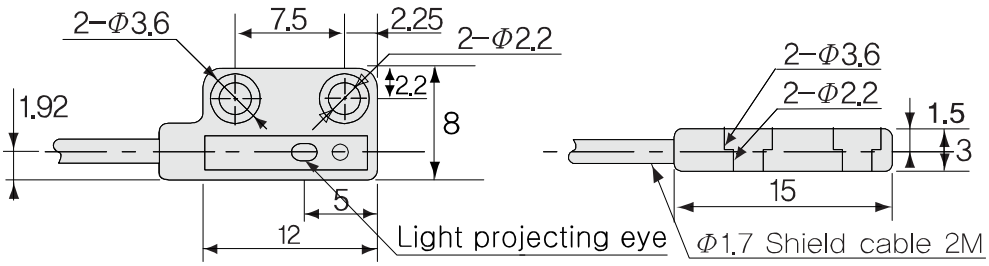


(Receiver)



◎ BT-12F

(Projector)



(Receiver)