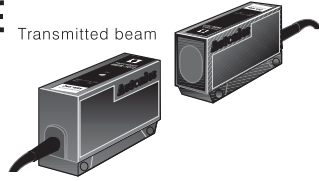




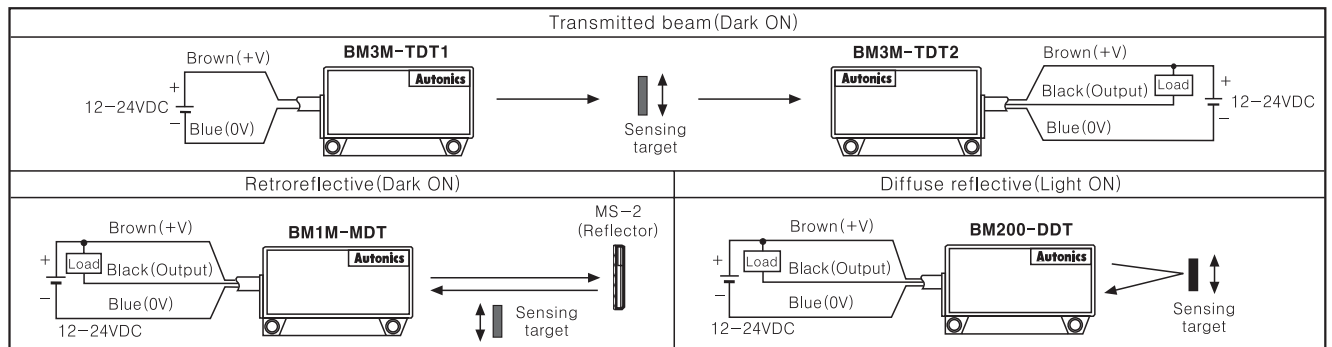
PHOTO SENSOR(BM SERIES)

Specifications

Type	Transmitted beam	Retroreflective	Diffuse reflective
Model	BM3M-TDT	BM1M-MDT	BM200-DDT
Appearances & Dimensions	 [W16×H28×L52mm]		 MS-2 Reflector (W40.5×H6.5) MS-5 Reflector (W12×H24)
Sensing distance	3m	(*) 0.1 ~ 1m	(**) 200mm
Sensing target	Opaque materials of min. ϕ 8mm	Opaque materials of min. ϕ 60mm	Transparent, Translucent, Opaque materials
Hysteresis			Max. 10% at sensing distance
Response time	Max. 3ms		
Power supply	12-24VDC \pm 10% (Ripple P-P:Max. 10%)		
Current consumption	Max. 45mA	Max. 40mA	
Light source	Infrared LED(modulated)		
Sensitivity adjustment	Fixed		Adjustable VR
Operation mode	Dark ON		Light ON
Control output	NPN open collector output \Rightarrow Load voltage:Max. 30VDC, Load current:Max. 100mA, Residual voltage:Max. 1V		
Protection circuit	Reverse polarity protection		
Indicator	Operation indicator:Red LED		
Connection	Outgoing cable 2m		

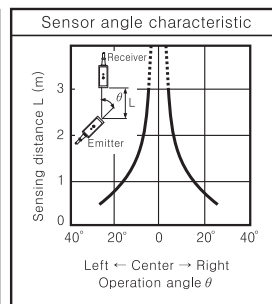
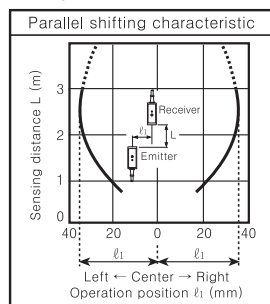
(*) Sensing distance between sensor and MS-2, it is the same when using MS-5 and it is able to detect under 0.1m.
 (**) It is for Non-glossy white paper(100×100mm)

Connections

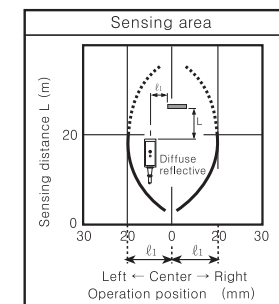


Feature data

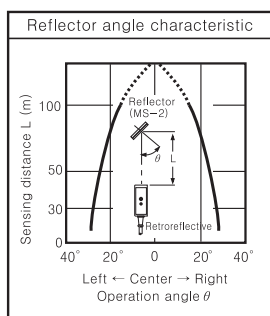
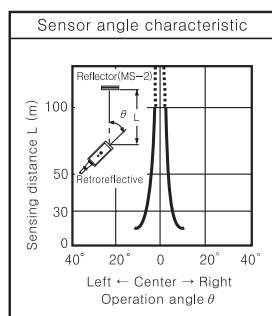
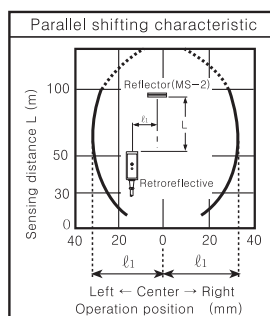
●BM3M-TDT



●BM200-DDT



●BM1M-MDT



※ — : Operation level
 : Stable operation level