

Part number		E3S-CT11 E3S-CT61 E3S-CT16 E3S-CT66	E3S-CR11 E3S-CR61 E3S-CR16 E3S-CR66	E3S-CD11 E3S-CD61 E3S-CD16 E3S-CD66	E3S-CD12 E3S-CD62 E3S-CD17 E3S-CD67
Indicators	Emitter	Power ON (red)	Stability indicator (green), Light Incident (red)		
	Receiver	Stability indicator (green), Light Incident (red)			
Materials	Lens	Acrylic			
	Case	Zinc die-cast			
	Operation panel	Sulfonated polyether			
	Bracket	Stainless steel			
Mounting		Either side surface with two threaded holes. Bracket for horizontal (E39-L102) or vertical (E39-L103) sensors and hardware included.			
Connections	Emitters	2-conductor cable, 2 m (6.56 ft) length or 4 pin, 12 mm connector	3-conductor cable, 2 m (6.56 ft) length (for prewired types)		
	Receiver	3-conductor cable, 2 m (6.56 ft) length or 4 pin, 12 mm connector			
Weight	Horizontal model	110 g (3.88 oz.)			
	Vertical model	115 g (4.06 oz.)			
Enclosure ratings	IEC 144	IP67			
	NEMA	1, 4X, 6P, 12, 13			
Ambient temperature	Operating	-25°C to 55°C (-13°F to 131°F)			
	Storage	-40°C to 70°C (-40°F to 158°F)			

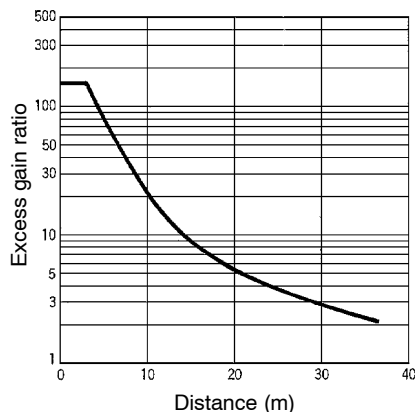
■ OUTPUT CIRCUIT DIAGRAMS

Output configuration	Mode switch	Output transistor	Output circuits
NPN	Light-ON	ON when light is received.	ZD : $V_Z = 39\text{ V}$ Note: Set the NPN and PNP output selector to NPN.
	Dark-ON	ON when light is not received.	
PNP	Light-ON	ON when light is received.	ZD : $V_Z = 39\text{ V}$ Note: Set the NPN and PNP output selector to PNP.
	Dark-ON	ON when light is not received.	

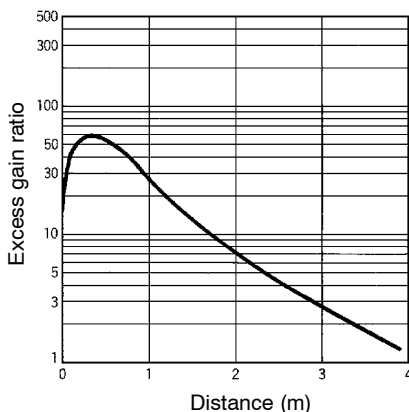
Engineering Data

■ EXCESS GAIN RATIO

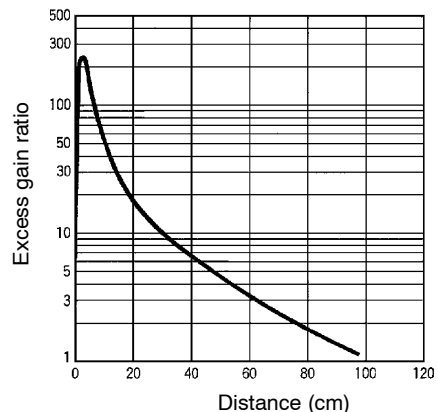
E3S-CT□6



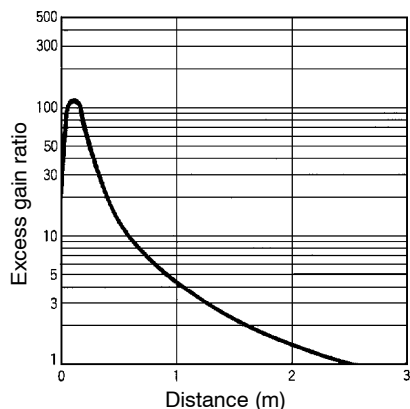
E3S-CR□6 (E39-R1 Reflector)



E3S-CD□6



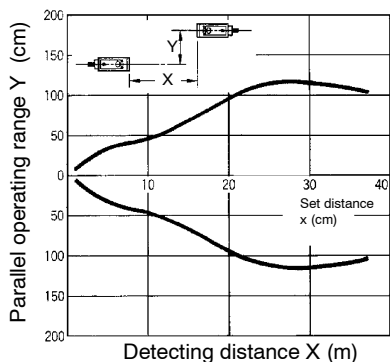
**E3S-CD□2
E3S-CD□7**



■ OPERATING RANGE

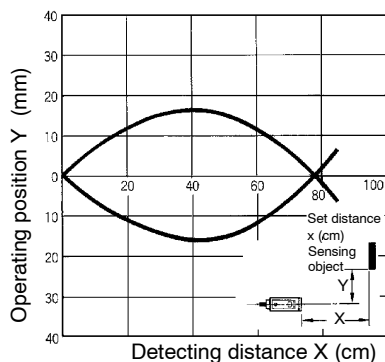
Parallel Operating Range (Typical)

E3S-CT□6



Operating Range (Typical)

E3S-CD□6 (Left and Right)



E3S-CD□7 and E3S-CD□2 (Left and Right)

