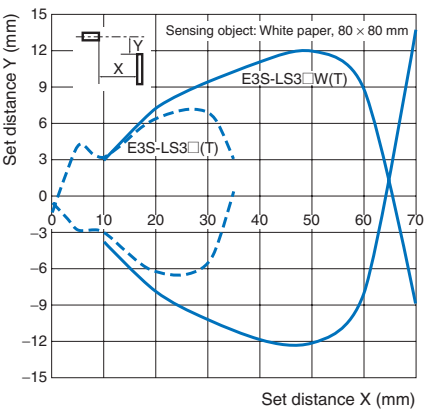
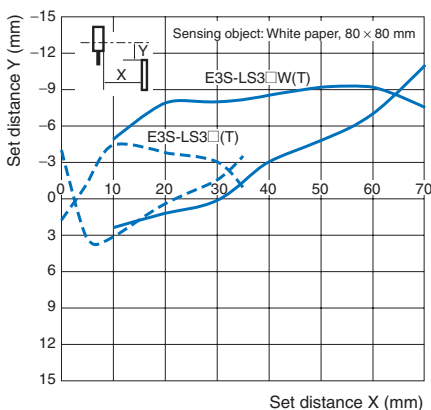


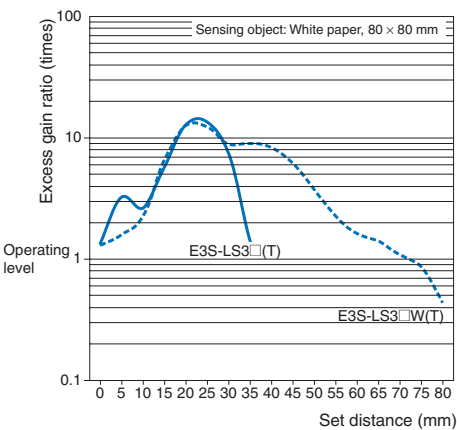
Operating Range (Left and Right)



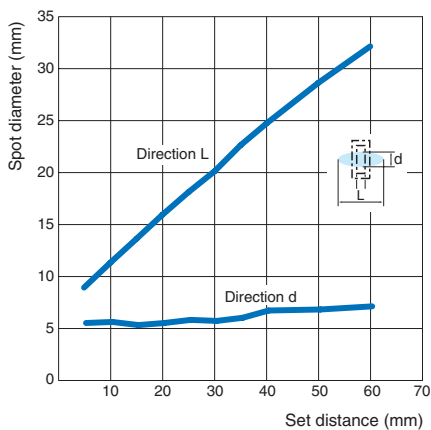
Operating Range (Up and Down)



Excess Gain vs. Set Distance



Spot Diameter vs. Sensing Distance
(E3S-LS3□(T), E3S-LS3□W(T) (Common))



I/O Circuit Diagrams

NPN Output

Model	Operation mode	Timing charts	Output circuit
E3S-LS3N E3S-LS3NW	Light-ON	Incident light No incident light Operation indicator (orange) ON OFF Output transistor ON OFF	
E3S-LS3NT E3S-LS3NWT		Incident light No incident light Operation indicator (orange) ON OFF Output transistor ON OFF T: OFF-delay timer (0.1 to 1.0 s)	

PNP Output

Model	Operation mode	Timing charts	Output circuit
E3S-LS3P E3S-LS3PW	Light-ON	Incident light No incident light Operation indicator (orange) ON OFF Output transistor ON OFF	
E3S-LS3PT E3S-LS3PWT		Incident light No incident light Operation indicator (orange) ON OFF Output transistor ON OFF T: OFF-delay timer (0.1 to 1.0 s)	

Safety Precautions

Refer to *Warranty and Limitations of Liability*.

WARNING

This product is not designed or rated for ensuring safety of persons either directly or indirectly.
Do not use it for such purposes.

Precautions for Correct Use

Do not use the product in atmospheres or environments that exceed product ratings

Dimensions

(Unit: mm)
Tolerance class IT16 applies to dimensions in this datasheet unless otherwise specified.

E3S-LS3N(T)/E3S-LS3P(T)
E3S-LS3NW(T)/E3S-LS3PW(T)

Operation Indicator (orange) Timer adjuster *

10 14.2

19.3 5.4 0.3 3 28 34 3 8.5 dia. 11.8

Two, M3 Mounting Holes

10 Receiver Emitter 4-dia.vinyl-insulated round cable with 3 conductors (Conductor cross section: 0.2 mm², Insulator diameter: 1.1 mm), Standard length: 2 m

Mounting Holes

Two, 3.6 dia.

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* The timer adjuster is only for models with the timer function.