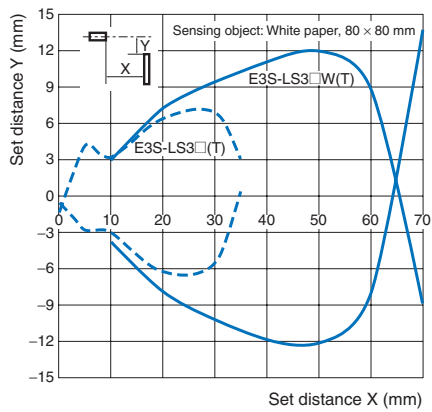
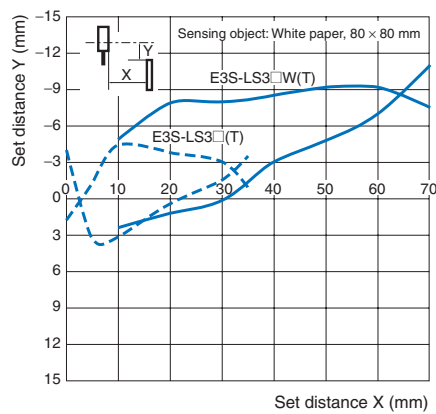


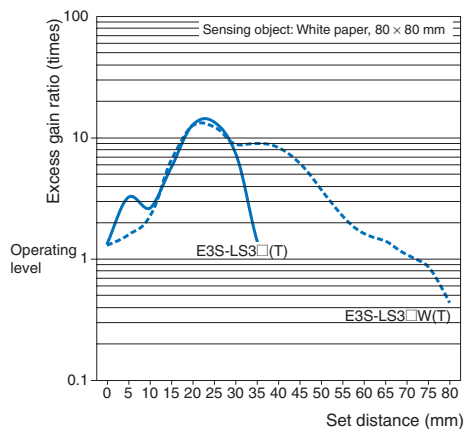
Operating Range (Left and Right)



Operating Range (Up and Down)

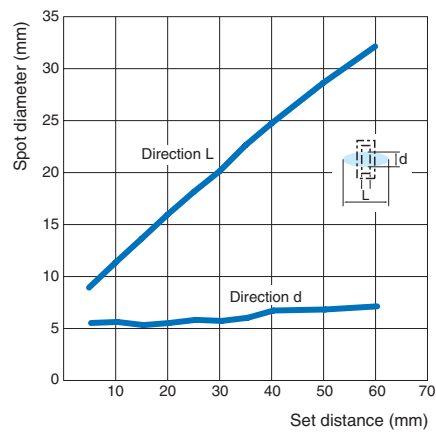


Excess Gain vs. Set Distance



Spot Diameter vs. Sensing Distance

(E3S-LS3□(T), E3S-LS3□W(T) (Common))









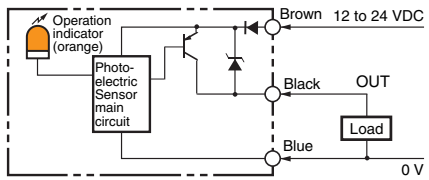






I/O Circuit Diagrams

NPN Output

Model	Operation mode	Timing charts	Output circuit
E3S-LS3N E3S-LS3NW	Light-ON	Incident light: ON (green bar) No incident light: OFF (white bar) Operation indicator (orange): ON (green bar) OFF (white bar) Output transistor: ON (green bar) OFF (white bar)	
E3S-LS3NT E3S-LS3NWT		Incident light: ON (green bar) No incident light: OFF (white bar) Operation indicator (orange): ON (green bar) with a delay timer 'T' shown after the light turns off. OFF (white bar) Output transistor: ON (green bar) OFF (white bar)	

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

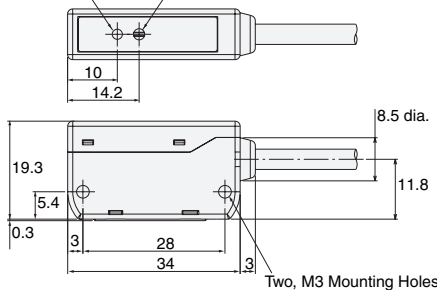
(Unit: mm)

Tolerance class IT16 applies to dimensions in this datasheet unless otherwise specified.

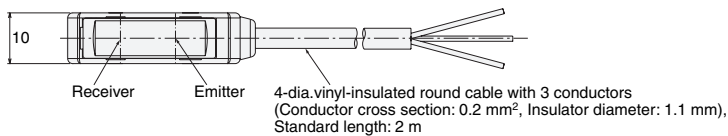
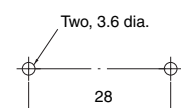
E3S-LS3N(T)/E3S-LS3P(T)
E3S-LS3NW(T)/E3S-LS3PW(T)



Operation Indicator (orange) Timer adjuster *



Mounting Holes



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