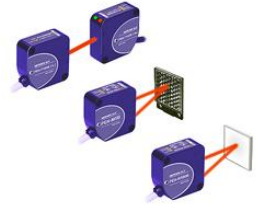


## PEN series

- Power built in (relay output)
- Attached motion display light
- Attached sensitivity adjustment volume
- Power voltage 24-240 V AC/DC common



### Suffix code

Model	Code			Information	
PEN -	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Photo Sensor	
Sensing method and Sensing distance	T	10		Through - beam	10 m
	M	5		Retro - reflection	0.1 - 5 m
	R	700		Diffuse - reflection	700 mm
Power supply voltage			A	24 - 240 V AC/DC $\pm 10\%$ 50/60 Hz	

### Specification

Appearance			
Model	PEN-T10A	PEN-R700A	PEN-M5A
Type	Through beam	Diffuse reflection	Retro reflection
Sensing distance	10 m	700 mm	0.1 ~ 5 m
Sensing object	$\varnothing 20$ mm (opaque body)	200 x 200 mm (White non- glossy paper)	$\varnothing 60$ mm (opaque body)
Power Supply voltage	24 - 240 V 50 Hz / 60 Hz AC $\pm 10\%$		
Power consumption	Emitter:max 1W Receiver:max 2W	max 2 W	
Operation mode	Light ON / Dark ON ※ selectable by mod V/R		
Sensitivity ad	-	Built-in the sensitivity control V/R	
Control output	Relay output (Contact composition 1a,1b)capacity : 30 V DC 5 A / 250 V AC 5 A Resistance load life expectancy - min 100 thousand time		
Response time	max 20 ms		
Response range	-	within 15% of detect range	-
Light source	infrared rays LED(alteration)		
Material	Case : Heat resistance ABX, Lens : P.C		
Connection method	Cable extended type (Number of wire : 5P, Diameter : $\varnothing 6$ mm, Length : 2 mm) ※ Emitter 2P		
Ambient light	sun light : 11000 Lux below, Incandescent lamp : 3000 Lux below		
Ambient temperature	-20 ~ 65 °C (surrounding storage temperature : -25 ~ 70 °C)		
Ambient humidity	35 ~ 85 % RH (with no condensation)		
Dielectric Strenght	AC 1000 V 1 minute		
Insulation resistance	20M $\Omega$ Min. (At 500V DC between code and case, adjusting switch and case)		