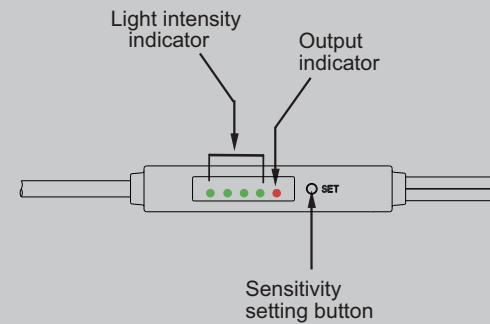


Photo electric V5UE-03 series



■ Name of each parts



- Light intensity indicator: green
Each light intensity indicator has 2 states of flicker and stability, a total of 8 states, indicating the range of light intensity from far to near.
- Output indicator: red
The output indicator light is shown when the object is detected.
- Sensitivity setting button: SET
Sensitivity is set by two point calibration.

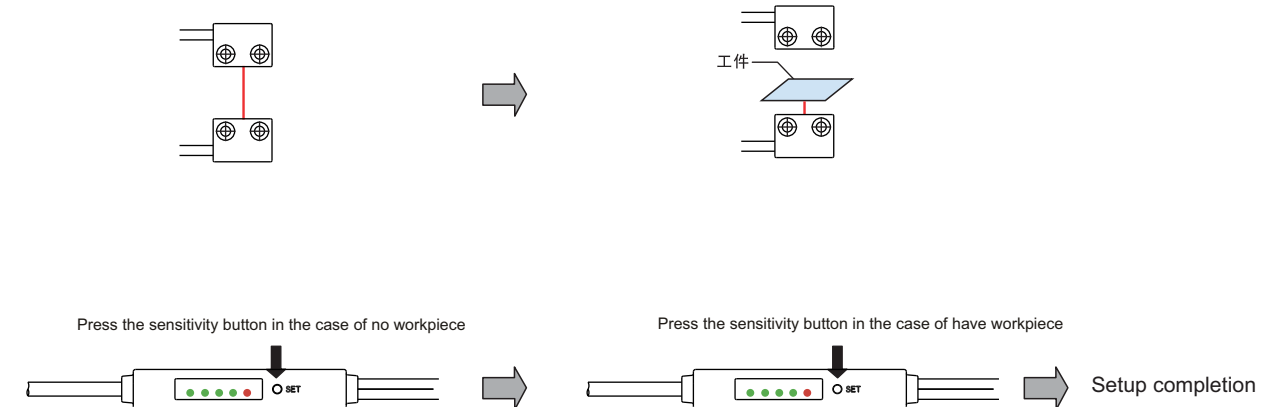
- One key setting detection distance
- Multiple detection state indicator light indication intensity, and facilitates the detection of small holes.
- Small size, super thin detection head, flexible and bending resistant cable, good resistance to vibration and impact, strong anti-interference ability.
- Installation is very simple, without debugging, the failure rate is low, which greatly improves the stability of the feeding system and facilitates maintenance.
- Strong anti-jamming performance.

■ Product parameters

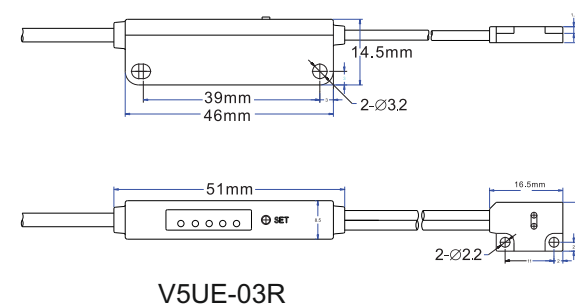
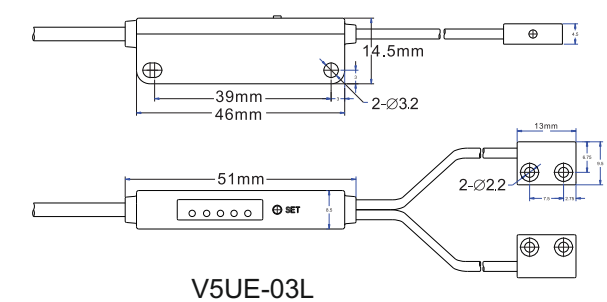
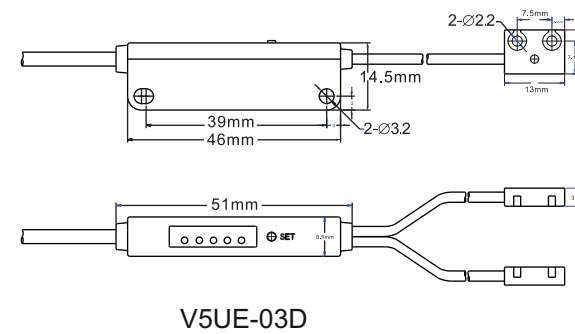
Model	NPN	V5UE-03D	V5UE-03L	V5UE-03R
	PNP	V5UE-03DP	V5UE-03LP	V5UE-03RP
Type		Front through beam type	Side through beam type	Reflection type
Detection distance		80cm	70cm	3cm
Light source		Red LED		
Reaction time		500μs		
Control output	NPN	NPN collector open circuit 24V; output maximum: 50mA; residual voltage: 1.5V		
	PNP	PNP collector open circuit: 24V, maximum output value: 50mA, residual voltage: 1.5V		
Circuit protection		Reverse electrode protection (power supply), over current protection (output), and over voltage (output).		
Power voltage		12 to 24V DC ± 10%, ripple voltage P-P: maximum 10%		
NPN		Normal: maximum 360mW (when 24V, maximum 15mA; when 12V, Max 30mA)		
PNP		Normal: maximum 360mW (when 24V, maximum 15mA; when 12V, Max 30mA)		
Ambient brightness		filament lamp: maximum 20000lux; daylight: maximum 30000lux		
Ambient temperature		-20 to +55°C (no freezing)		
Relative humidity		35 to 85%RH (no condensation)		
Vibration resistance		10 to 55Hz, compound amplitude 1.5mm, X, Y, Z axis each 2 hours.		
Shock resistance		500m/s ² , 3 times in the direction of X, Y, and Z axis		
Case material		polycarbonate		
Size		51mm(H)x8.5mm(W)x15mm(D)		
Weight(with 2M cable)		Approx. 45g		

■ Two point calibration

Two point calibration is the basic calibration method. You can automatically set the sensitivity, just press the sensitivity setting button 2 times. pressed once when it is placed or not placed.



■ Size diagram



■ Wiring diagram

