

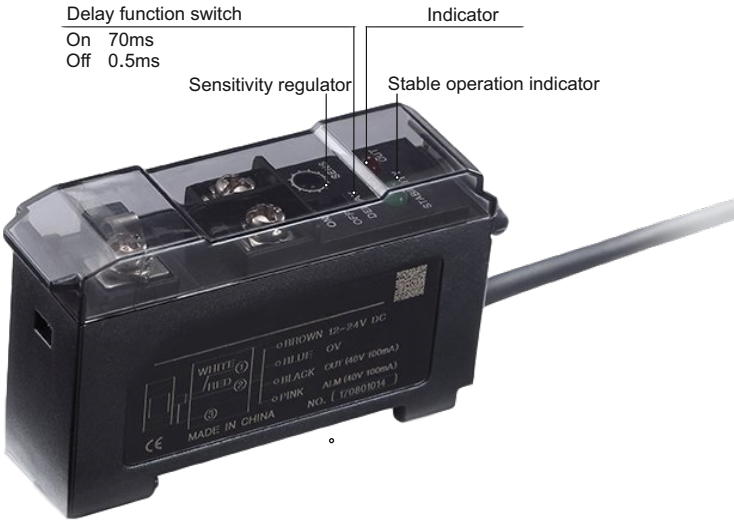
Small objects count photoelectric sensor V5BF-100/V5BF-102



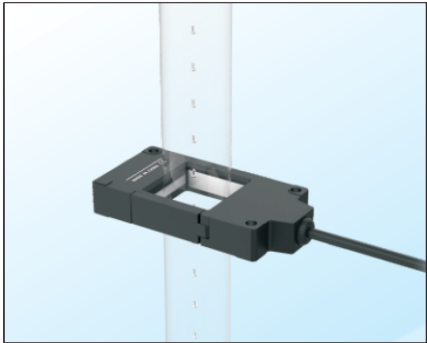
■ Highlights

- The materials of the object are not limited;
Plastic, metal and other opaque objects can be detected.
- Long service life of the sensor ;
Perfect design of special flexible cable and anti break structure.
- Extremely fast response time;
The fastest response speed can be up to 1000 times per second without missing detection.
- High detection accuracy;
Standard minimum object size is 0.5mm, special customization 0.3mm.
- Dust stability ;
The built-in sensitivity compensation circuit enables the receiver to work normally even when the amount of light received is reduced due to dust.

■ Amplifier unit / panel



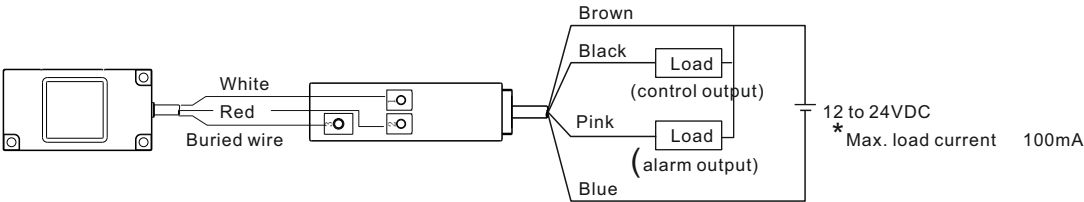
■ Application



■ Product parameters

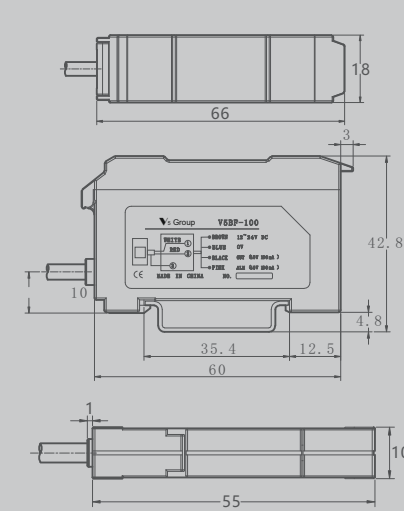
Type	Amplifier	Sensor head
Model	V5BF-100	V5BF-102
Appearance		
Sensor head Dimensional drawing		
Smallest detectable object	diameter 0.5mm opaque object	
Light source	Infrared LED	
Sensitivity modulation	1 circle knob fine-tuning regulator	
Indicator	Output: Red LED; stable operation: green LED	
Output	control output	NPN: maximum 100mA (maximum 40V), residual voltage: Max 1V
	Self diagnosis output	NPN: maximum 100mA (maximum 40V), residual voltage: Max 1V
	reaction time	0.2ms
	Off time	0.5ms
Delay function	70ms (selectable)	
Power	12 to 24VDC±10%	
Current Consumption	Max. 40mA	
Ambient luminosity	filament lamp: maximum 10000lux; daylight maximum: 1500lux	
Ambient temperature	Sensor head -10 to +50	Amplifier -10 to +50 no freezing
relative humidity	35 to 85% no condensation	
Case material	polycarbonate	
Weight	Sensor head with 2m cable about 40g Amplifier(with 2m cable about 100g	

■ Wiring diagram



■ Dimensions

Amplifier



Sensor head

