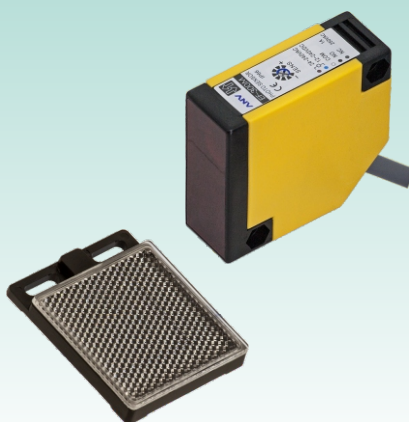


**EF-30D/ 70D/ 100D
/ 200D/ 300D**



**EF-300M/ 500M
/ 800M/ 1000M**



EF-1000T/ 2000T

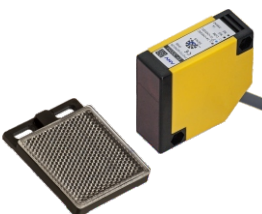


Multi-voltage photo sensor

EF Series

- Multi-voltage type, applicable to various occasions
- High capacity relay output: 1A 250VAC
- IP66

MODEL LIST

Appearance	Model	Sensing Distance	Control Method	Operating Voltage	Light Source
	EF-30D	30cm	Relay output 1a1b	24~240VAC/ 12~240VDC 5wire	Infrared
	EF-70D	70cm			
	EF-100D	100cm			
	EF-200D	200cm			
	EF-300D	300cm			
	EF-300M	300cm	Relay output 1a1b	24~240VAC/ 12~240VDC 5wire	Red LED
	EF-500M	500cm			
	EF-800M	800cm			
	EF-1000M	1000cm			
	EF-1000T	1000cm	Relay output 1a1b	24~240VAC/ 12~240VDC 5wire (Emitter 2wire)	Infrared
	EF-2000T	2000cm			

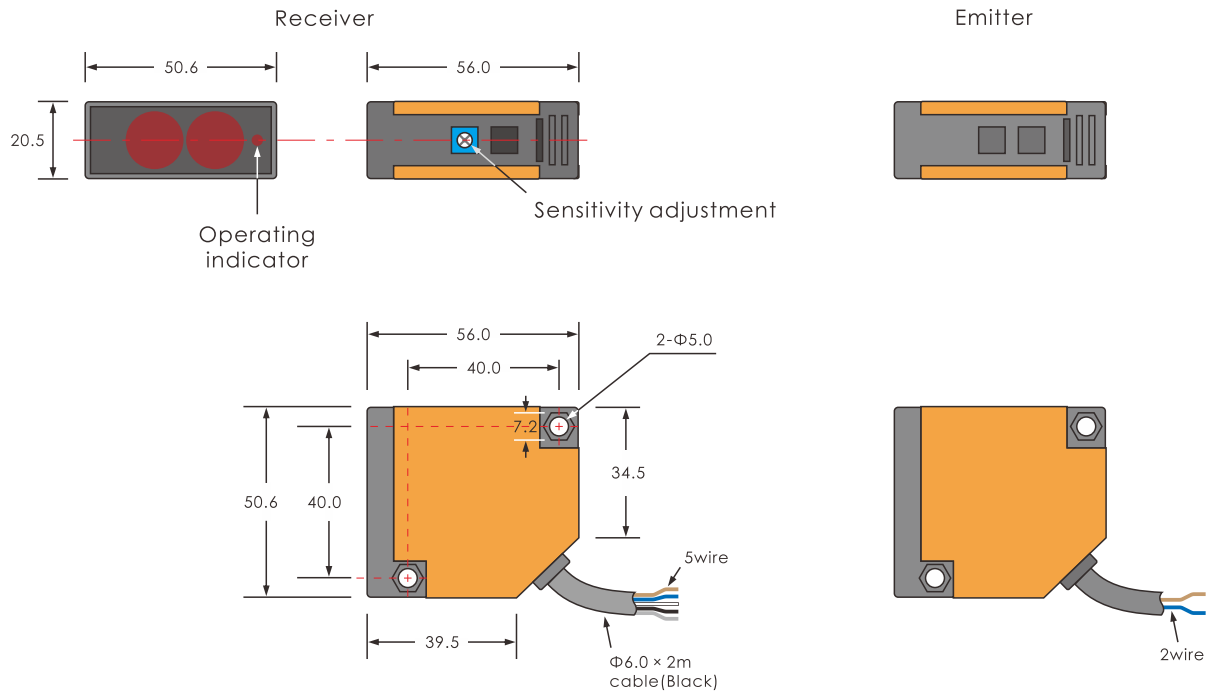
SPECIFICATIONS

SENSING METHOD	Diffuse-reflective	Mirror reflex	Through-beam
LIGHT SOURCE	Infrared	Red light LED	Infrared
RESPONSE FREQUENCY	60Hz		
DIFFERENTIAL TRAVEL	10% max. of sensing distance		
CONTROL OUTPUT	Relay : 1a 1b		
OPERATING VOLTAGE	AC24~240V / DC12~240V		
LEAKAGE CURRENT	< 30mA		
RESET TIME	1ms		
LOAD CURRENT	Relay : 1A 250VAC / 0.3A 30VDC		
INDICATOR	Operation indicator(red)		
PROTECTION CIRCUITS	Surge suppressor		
AMBIENT TEMPERATURE	-25°C to 70°C		
AMBIENT HUMIDITY	35 to 95%RH		
AMBIENT ILLUMINATION	Incandescent lamp: 5000 lx max./ Sunlight: 10000 lx max.		
INSULATION RESISTANCE	20MΩ or more between input terminals and case(ground) at DC 500V		
DIELECTRIC STRENGTH	1000VAC for 1 min between charged parts and noncharged parts		
VIBRATION RESISTANCE	Destruction: 10 to 55 Hz, 1.5mm double amplitude for 2 hours each in X,Y and Z directions		
SHOCK RESISTANCE	Destruction: 500 m/S ² 3 time each in X,Y and Z directions		
DEGREE OF PROTECTION	IP66 / Oil resistant		
MATERIALS	Case: PBT, Sensing face: Acrylic Screw and Nut: Nickel plated iron Mounting bracket: Nickel plated iron Screwdriver : Plastic steel		
CONNECTION METHOD	Pre-wired Φ6.0 × 2m × 0.23mm 5wire PVC		Pre-wired Φ6.0 × 2m PVC (Emitter 2wire/ Receiver 5wire)
WEIGHT	Approx. 210g	Approx. 230g	Approx. 410g
ACCESSORIES	Mounting bracket Screwdriver Screws × 2 Nuts × 2	Reflector Mounting bracket Screwdriver Screws × 2 Nuts × 2	Mounting bracket × 2 Screwdriver Screws × 2 Nuts × 2

DIMENSIONS

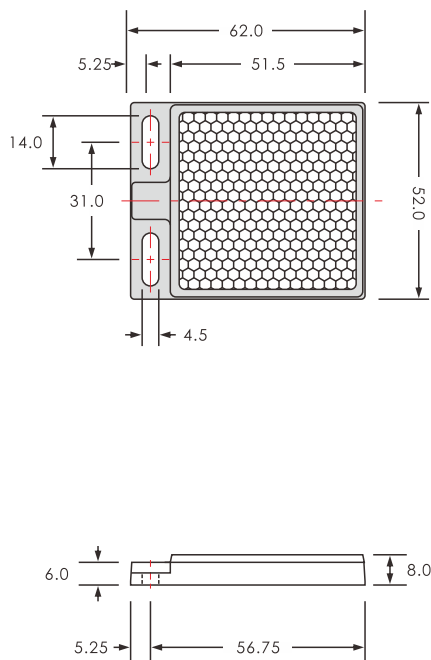
(Units: mm)

EF Series



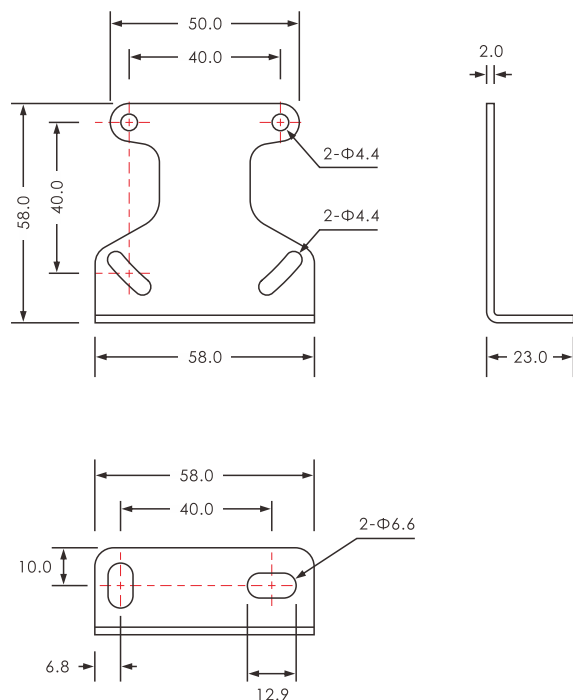
Reflector

Type: RM-1



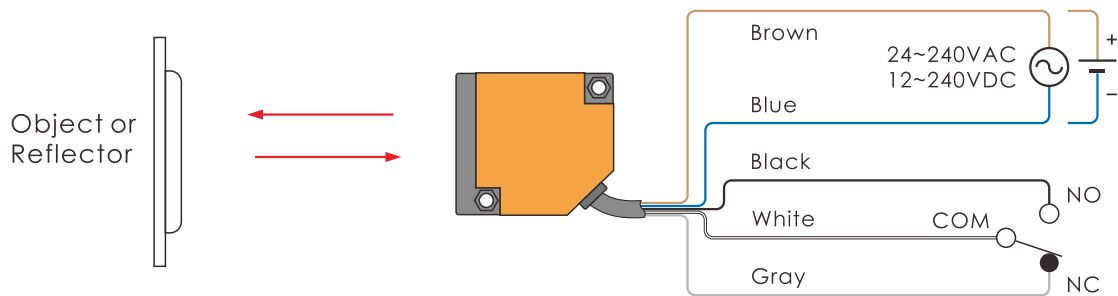
Mounting Bracket

Type: MB-L58

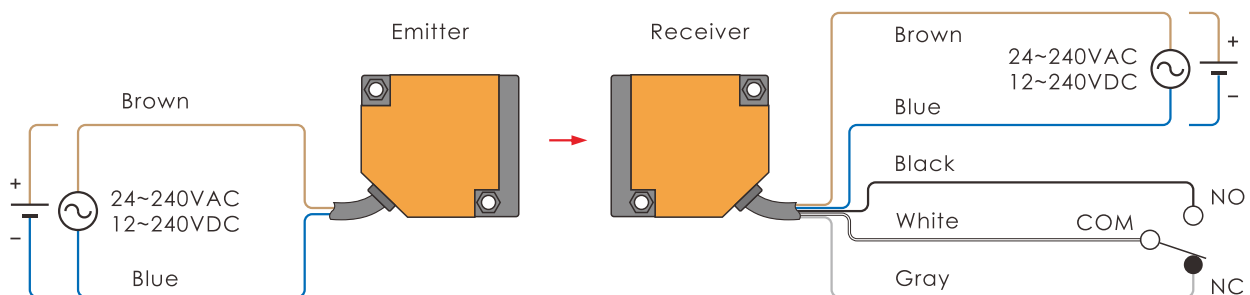


CONNECTION DIAGRAMS

EF Series Diffuse-reflective or Mirror reflex type



EF Series Through-beam type



ANV ELECTRIC CO., LTD.

Kaohsiung Headquarter

No. 151, Jin Shan Road, Kaohsiung, Taiwan
Tel :+886 7 359 5833 Fax :+886 7 359 5822
E-Mail : anv@anv.com.tw

Taipei Office

No. 166, Fu Xing 3rd Street, Taishan Dist.,
New Taipei City, Taiwan
Tel :+886 2 2296 3133 Fax :+886 2 2296 3233
E-Mail : taipei@anv.com.tw

Tainan Office

No. 60, Lin Sen Road Sec. 1, Tainan, Taiwan
Tel :+886 6 216 0988 Fax :+886 6 216 0388
E-Mail : tainan@anv.com.tw

ANV ELECTRIC (HK) LTD

Flat 4, 14/F., Block 4, Wai Wah Centre,
Shatin, N.T., Hong Kong
Tel :+852 2690 2588 Fax :+852 2690 2511
E-Mail : anv@anv.com.hk

Taichung Office

No. 532, Wen Hsin Road Sec. 1, Taichung, Taiwan
Tel :+886 4 2320 9930 Fax :+886 4 2320 9960
E-Mail : taichung@anv.com.tw

ANV ELECTRIC (M) SDN. BHD

25-1, Jalan 1/116B, Kuchai Entrepreneur's Park,
Off Jalan Kuchai Lama, 58200 Kuala Lumpur, Malaysia
Tel :+60 3 7980 3328 Fax :+60 3 7980 3779
E-Mail : anv@anv.com.my