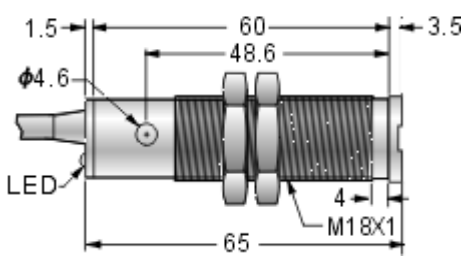
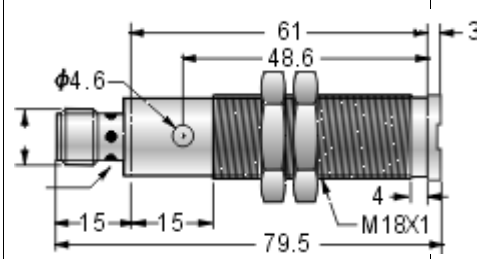


DC WITH LIGHT ON OR DARK ON PROGRAMMABLE OUTPUT PHOTOELECTRIC SENSOR (FM18)

Type	FM18			FM18		
Sensing Mode	Diffuse mode			Diffuse mode		
Sensing Picture						
Switching Distance (Sn)	150mm			150mm		
Picture						
Nominal Voltage	10-30VDC			10-30VDC		
Residual Ripple	<10%			<10%		
Tolerance	±10%Sn			±10%Sn		
Hysteresis	10%			10%		
Emission	Infrared(880nm)			Infrared(880nm)		
Output	NPN or PNP(Programable)			NPN or PNP(Programable)		
Contact	Light ON or Dark ON(Programable)			Light ON or Dark ON(Programable)		
Max. Output Current	200mA			200mA		
No Load Current	30mA or less			30mA or less		
Voltage Drop(Sensor On)	<2.5V			<2.5V		
Sensitivity Adjustment	Trimmer 1 turn			Trimmer 1 turn		
Response Time	1mS			1mS		
Short Circuit Protection	Yes			Yes		
Electric Protections	Yes			Yes		
Temperature Limits	-25 ~ +55℃			-25 ~ +55℃		
Ambient Humidity	35 to 85% RH			35 to 85% RH		
Light Immunity	>10.000Lux			>10.000Lux		
Protection Degree	IP67			IP67		
Housing Material	PBT Plastic or Nickel Plated Brass			PBT Plastic or Nickel Plated Brass		
Sensing object	10x10cm white paper			10x10cm white paper		
Brass Housing	Emitter					
	NPN Light ON or Dark ON		F1BD-M180150NS-I4A2 A18	F1BD-M180150NS-IEA4 A19		
	PNP Light ON or Dark ON		F1BD-M180150PS-I4A2 A20	F1BD-M180150PS-IEA4 A21		
Plastic Housing	Emitter					
	NPN Light ON or Dark ON		F1PD-M180150NS-I4A2 A18	F1PD-M180150NS-IEA4 A19		
	PNP Light ON or Dark ON		F1PD-M180150PS-I4A2 A20	F1PD-M180150PS-IEA4 A21		
Wiring Diagram						
Dimensions (unit: mm)						
Terminal Version	2M PVC (3x0.15mm2)			M12 Euro Style		
Weight	Approx.112g			Approx. 75g		

Subject to modifications without notice

Tel: +86-755-2646 7962

Fax: +86-755-2646 7925

MSN: dfan852@hotmail.com

Web: www.mountiger.com

E-mail: sales@mountiger.com

QQ: 873764592

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