



Sensing mode(检测方式)	Through beam reflection(对射型)	Retro reflection(回归反射型)	Diffuse reflection(漫反射型)
Model(型号)	LT18-T20B □A(Receiver)/接收	LT18-R03B □A	LT18V-D50B □A
	LT18-T20B □O(Receiver)/接收	LT18-R03B □O	LT18V-D50B □O
	LT18-T20B □C(Receiver)/接收	LT18-R03B □C	LT18V-D50B □C
	LT18-T20BE(Ejector)/发射		
Sensing distance(检测距离)	20m	0.1-3m	50cm(Parameter)/(电位器可调)
Standard target(标准检测体)	—	optical diffuser plate 40×60(反光板40×60)	white paper 100×100(白纸100×100)
Output mode(输出方式)	N:NPN, P:PNP		
Output state(输出状态)	DC 3 wire : NO/NC , DC 4 wire: NO+NC (三线:NO/NC , 四线: NO+NC)		
Sensing material(检测物体)	>Φ7mm Opaque object (Φ7mm不透明体以上)	>Φ75mm Opaque object (Φ75mm不透明体以上)	
Light source(光源)	infrared light 850nm(红外光850nm)	infrared light 850nm(红外光850nm)	infrared light 850nm(红外光850nm)
		Red light 660nm(红光660nm)	
Power supply(电源电压)	DC12~24V, impulse(P-P) <10% (DC10~30V)/DC12~24V脉动(P-P) 10%以下 (DC10~30V)		
Current consumption(消费电流)	Emitter:<20mA(发射管:20mA以下)	<20mA	
	Receiver:<15mA(接收管:15mA以下)		
Control output(控制输出)	NPN: Max200mA/DC30 V <2.5V/200mA Max		
	PNP: Max200mA/DC30 V <2.5V/200mA Max		
Load current(负载电流)	≤100mA(overload protection)/≤100mA(带过载保护)		
Circuit protection(回路保护)	Short-circuit protection, reverse connection protection(短路保护, 电源逆接极性保护)		
Response frequency(响应频率)	500Hz		
Switch delay(开关延迟)	<0.5ms		
Differential travel(应差距离)	—	—	20%max
Pointing angle(指向角)	3~15°	2~10°	—
Indicator light(指示灯)	Output:Red LED, Power:Green LED(动作指示:红色指示灯, 电源指示:绿色指示灯)		
Connection(连接方式)	Cable2m-PVC-terminal/标准导线长2米PVC-可配端子		
Ambient temperature(环境温度)	Work:-10℃~+55℃ store:-25℃~+70℃, iced forbidden/(使用时:-10℃~+55℃ 保存时:-25℃~+70℃, 不结冰)		
Ambient humidity(环境湿度)	Work:35~85%RH store:35~95%RH, dewde forbidden/(使用时:35~85%RH 保存时:35~95%RH, 不结露)		
Ambient illumination(环境照明)	sunlight:11000Lx lamplight:3000Lx(Receives light)/太阳光:11000Lx 热灯光:3000Lx(接收光)		
Withstand voltage(耐压)	1000VAC, 50/60Hz 1min(1000VAC, 50/60Hz 1min充电部整体与外壳间)		
Insulation resistance(绝缘强度)	>500MΩ (DC500V megger) /500MΩ 以上(DC500V摇表)充电部整体与外壳间		
Anti-vibration(耐振动)	10~55 Hz, double-amplitude 1.5mm , X, Y, Z(2H)/10~55 Hz, 复振幅 1.5mm , X, Y, Z(2H)		
Anti-impact(耐冲击)	Approx100G(1000m/S²), X, Y, Z(3 times)/大约100G(1000m/S²), X, Y, Z(各方向3 次)		
Protection degree(防护等级)	IEC IP67		
Housing material(材质)	Shell : ABS Lens : PMMA(壳体:丙烯酸-苯乙烯-丁二烯共聚物 透镜:亚克力)		

CAD数据

Dimension(尺寸图)
(Unit/单位:mm)

