



FOTEK

Easy Easiness Reliability Intelligence Performance

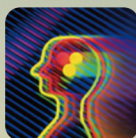


Photo - electrical Yarn break detector YB series

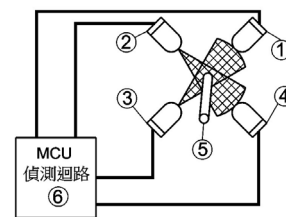
Features

- More miniaturized outline
- Patented detection structure has more wide detecting area
- Minimum detectable object is less than 「0.06Φ」
- Easy to detect any yarn or wire needless to sensitivity adjusted
- Immune against environment interruption by vibration detecting

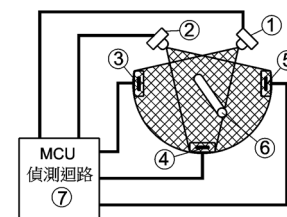


FOTEK CONTROLS Est. 1985 | www.fotek.com.tw

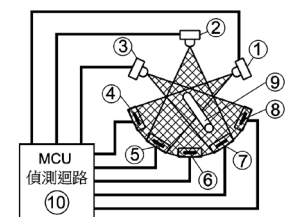
Configuration of detector / 偵測結構



1. Emitter : ① / ②
2. Receiver : ③ / ④
3. Yarn : ⑤
4. Processor : ⑥



1. Emitter : ① / ②
2. Receiver : ③ / ④ / ⑤
3. Yarn : ⑥
4. Processor : ⑦



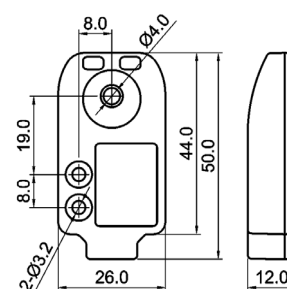
1. Emitter : ① / ② / ③
2. Receiver : ④ / ⑤ / ⑥ / ⑦ / ⑧
3. Yarn : ⑨
4. Processor : ⑩

Specification / 規格

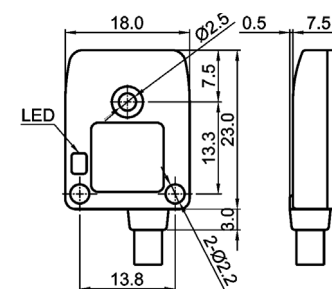
Model (型號)		YB-5RH	YB-5R	YB-5RS	YB-3RH	YB-3R	YB-3RS	YB-2RH	YB-2R	YB-2RS
Response time	反應時間	5ms	50ms	50ms	5ms	50ms	50ms	5ms	50ms	50ms
Detecting method	檢測方式	Vibration		Break ON	Vibration		Break ON	Vibration		Break ON
Detectable object	可檢測物大小	0.06 ~ 3.2Φ		2.0 ~ 3.8Φ	0.06 ~ 2.4Φ		1.0 ~ 2.8Φ	0.06 ~6.0Φ		1.0 ~ 6.0Φ
Detector module	檢測模組	Emitter : 3 units Receiver : 5 units			Emitter : 2 units Receiver : 3 units			Emitter : 2 units Receiver : 2 units		
Detecting hole	檢測孔徑	4.0Φ			3.0Φ			12.0Φ		
Emitter	發射光源	IR			IR			IR		
Pilot	燈號	Green : Power ; Red : Break yarn								
Connection	出線方式	1m PE connector			2m lead wire					
Operating voltage	工作電壓	10 ~ 30 VDC								
Output method	輸出方式	NPN						NPN & PNP two output		
Output current	輸出電流	50mA max.								
Operating environment	使用環境	- 20℃ ~ + 60℃ ; 35 ~ 85% RH								
Detect hole material	線孔材質	Ceramic								
Housing material	外殼材質	PC (UL-94V0)								

Operation diagram / 操作圖

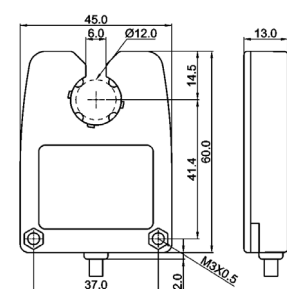
YB-5R



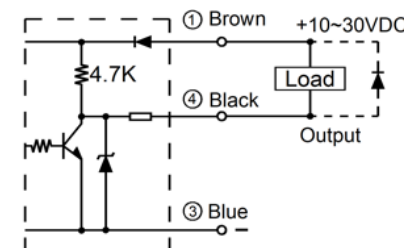
YB-3R



YB-2R



NPN



PNP

