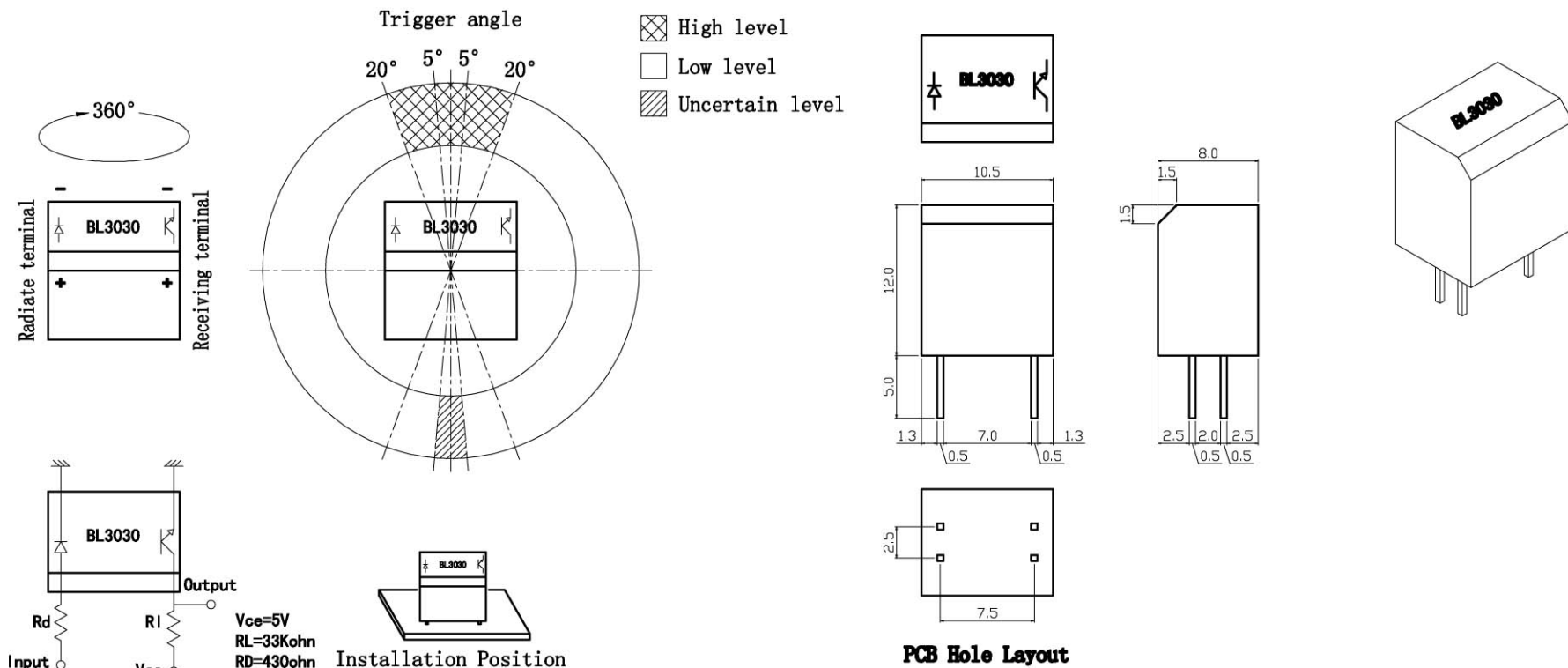




Circuit use and characteristic

1. BL3030 can omni 360 degree tilt detecting.
2. When the products is upright, the output is high level. When the products tilt to any direction and more than 20 degree, output is the low level.
3. This switch output can trigger MCU, I/O control circuit
4. Details circuits way, please reference the above.

Title	Optical Roll ball switches BL3030										
Part No.											
Drawing No.				Operating lifespan	500,000 cycles						
Unit	MM	VER	A	Humidity	95% RH, 40° C for 96 hours						
Scale	2:1	DSGD		Pull force of terminal	500gf for 1 minute						
Drawing	Zhang Wenhao	Date	2012. 12. 28	Temperature range	-40℃ to 80℃						
Check		Date		Power	< 50mW	3	Metal ball	Stainless steel ball, Nickel-plated.		1	
Approval		Date		Current	10mA	2	Emissions	Red light emission diode		2	
www.sprint-elec.com No. 28, Underground of Tavakoli Passage Hafez Bridge, Jomhouri Street, Tehran Tel: +9821 66753870 Fax: +9821 66751263 SPRINT ELECTRONIC اسپرنت الكترونيك				Voltage	5V	1	Housing and cover	nylon+ Glass fiber		1	
Characteristics						No.	Part name	Material	Size	QTY	Remarks