Product Code: BED02 (BOLT RAIDEN) Product Name: RAIDEN Multifunction Trigger Devise Product function description

Features:

- Suitable for Version 2 Gearbox
- O Due to wiring considerations, there will be two versions of the rear outlet

and the front outlet. Limited to below M130 spring

- Motor: Recoil High Torque Motor
- Battery: Li-Poly 2S or 3S (7.4V or 11.1V), Li-Fe 3S (9.9V) above 850mAH /
- above 15C
- O Working temperature, ambient temperature -5 ° C ~ 40 ° C
- It is not guaranteed to work normally if it exceeds the working
- temperature range
- \odot In the non-powered condition, temperature range: -30 $^\circ$ C to 80 $^\circ$ C Software can be updated through the battery connector (Under Development)
- Ouring 3 rounds and auto firing, the piston rod must be released to the
- front position. To avoid the spring is compressed and degraded for a long time. Enable Semi Pre-cocking function.
- Ouring 3-burst and auto firing, the piston rod must be released to the front position to

avoid the spring being compressed and degraded for a long time. Infrared detection chip to detect if there is a magazine. Replica cannot fire when there is no magazine. (Software or hardware reserved disable magazine

detection setup to prevent the gun from failing when the chip is broken) 30shots (Mode 2) and 50shots (Mode 3) selectable, terminate power after reached the number of shots selected. (Simulate real gun's "no shots when no bullets" function.)

4 mode settings (mode can be memorized)

MODE		Conditi	on	Motor Sounding	Other		
1	SAFE	SEMI	AUTO	1 beep			
2	SAFE	SEMI	3-BURST	2 beeps	Stop after 30 shots, reset by reload		
3	SAFE	3-BURST	AUTO	3 beeps	Stop after 30 shots, reset by reload		
4	SAFE	Pre-coking	Single Released	4 beeps			

1.In any mode, switch the selector to the semi position. When the trigger is pressed for 5 seconds, the motor will make a vibration sound. After the ringing is completed, release the trigger to complete the mode setting. (It will fire when pressing the trigger, please pay attention to safety)

2.After holding the trigger for 5 seconds, the motor will emit 1 beep sound

(MODE 1) in succession , and 2 beeps (MODE 2) after 2 seconds and 3 beeps (MODE 3) after 2 seconds, and so on

 $\ensuremath{\boxdot}$ Low voltage protection: when the voltage of 3 strings of li-poly batteries is lower than 9V, or the voltage of 2 strings of li-poly batteries is lower than 6V, whether in semi or Press the trigger at the auto position, and the motor intermittently vibrates 4 times, which indicates low battery voltage

Overcurrent protection: When the motor is stuck or short-circuited, 3-BURST function will automatically turn off the MOSFET to prevent MOSFET burned out

O Automatic power saving function after 30 minutes of inactivity

O To wake up from hibernation in any mode, you must switch to safe and then switch back to semi or auto to enter normal work.

Notes for use:

O When the ambient temperature changes too fast, such as when entering from indoor to outdoor in winter, single shots may turn into 2 shots, or pre-cocking may not be pulled accurately. In this case, make 5 to 10 shots then it will become stable. After stabilization, switch the selector to safe and the multi-function brake will save the learned parameters O Under extremely low temperature environment, the mechanical lubrication will be deteriorated also the motor's efficiency will be reduced so the progress speed will be slower than normal temperature. The current loss will also increase, which is a reasonable physical phenomenon

O During assembly, the gear oil should not fill the gap between the gears. Excessive lubricant sprayed on the infrared sensor may cause the gear signal detection incorrect and pre-cocking or triple-shot is not accurate



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Problem solving	:

LED

Motor

g:		[
Indicator	Action	Solution
Fast Flash once	Switch Mode to leave power saving state From SAVE mode to Semi or Auto	Switch Mode to leave power saving state From SAVE mode to Semi or Auto
The motor is not running	Short circuit protection (instantaneous current is greater than 100A)	Please check if the line is shorted or the motor gear is stuck.
Beep 1 Beep 2	The battery is placed till low voltage (not on Save Mode) Low voltage detected during bursting Overcurrent protection detected during firing (The current lasts for 0.13 seconds and is greater than 45A) (3 strings are less than 6.6V, 2 strings are less than 6.2V) 1. 2 strings of batteries were detected on the battery	1. Remove and charge the battery 2. Please remove the battery and charge it, or replace the battery if the battery performance declines. 3. The load is too large, please check if Insufficient gear lubrication or modified spring or motor performance decline 1. This is to tell the user that the battery connected is two cells. If the battery is
	2. Detecting gear errors during motor operation	connected to three cells, please check if the battery is low power or has a cell damaged. 2. Installation error can not detect the gear Or the optical component is shielded (eg lubricant)
Beep 3	1. 3 strings of batteries were detected on the battery 2. When bullet counting function is on, the number of shooting bullets reaches the set value	1. This is to tell the user that the battery connected is a three-string battery. 2. Remove the magazine and reload it.
Beep 4	Detect that the battery voltage is too high when connect the battery (voltage is greater than 13.6V) Detect battery low voltage when firing	Please check if the battery is abnormal. Please charge the battery or degradation battery performance Please confirm if the magazine is installed and confirm that the reflective sticker is in the correct position.
Beep 5	The battery is connected but the firmware is not activated.	The switch will be fully inspected at the factory, and the Bee five sounds indicate that there is a missing factory test.Please return it directly to the factory for retesting
Beep 6	Detect that the trigger is buckled when plug the battery on	Do not hold the trigger when the battery is connected to avoid accidental hits. Please confirm that the trigger is in the correct position, remove the battery, and then connect

電子板機說明書

產品型號: B								指示方式	動作
	產品英文名稱: RAIDEN Multifunction Trigger Devise 產品中文名稱:電子板機								
	Em中又石碑,电丁似微 E品功能說明					LED	快閃一下	切換Mode,從SAVE 切到 Semi 或 Auto 離開省電狀態	
特色:									Contrast and American Contrast
◎ 適用於2·	代Box								
	◎ 由於布線考量將會有後出線與前出線2個版本。							馬達沒運轉	短路保護(瞬間電流大於100A)
◎ 限用彈簧	◎ 田尼市線考量所首有後山線英的山線ZIEI版本. ◎ 限用彈簧 M130以下							周建/其建特	X237(R42(BEIN) #231, X321004)
◎ 馬達:後座	至力專用	馬達						Beep 1聲	1.電池放到低電壓(沒有切到Save Mode)
◎ 電池 :Li-	Poly 2S	or 3S(7.4V	′ or 11.1 V), L	_i-Fe 3S(9.9V) 85	50mAH 以上/	15C 以上.			
◎ 工作溫度	 ◎ 電池:Li-Poly 2S or 3S(7.4V or 11.1 V), Li-Fe 3S(9.9V) 850mAH 以上/15C 以上. ◎ 工作溫度環境溫度攝氏溫度-5度[*]40度.超過工作溫度範圍不保證能正常工作. 								2.連發過程中偵測到低電壓
◎ 在未通電	的儲存	溫度範圍:抽	聶氏溫度−30-	~80度C.					
◎ 可透過電	[池接頭]	更新軟體.							3.擊發過程中偵測到過電流保護
◎ 具備單發	≹Pre−co	ck功能,							
◎ 具備3連	發功能及	とAUTO撃動	设時活塞齒棒	可復歸前端原點	以避免彈簧	長期壓縮變形			(電流持續0.13秒大於45A)
◎ 紅外線偵	〕 測電路	板,偵測是る	否有彈匣.當伯	_{貞測沒有彈匣時} 7	下能撃發.(軟骨	豊或硬體預			(3串電壓小於 8.6V,2串小於6.2V)
留disable m	agazine	detection s	etup,以防止	當開關損壞時槍	枝無法動作)				
◎可設定撃	發彈數,	到達設定翁	發數即切斷電	源(模擬實槍無强	『不撃發)				
◎ 4種模式	設定(mo	de可記憶,b	出廠預設為m	iodeA)					
MODE		Condit	ion	Motor Sounding	其他功能	1			
1	SAFE	SEMI	AUTO	1智聲	710710	-	Motor	Beep 2聲	
2	SAFE	SEMI	3-BURST	2響聲	擊發30發即斷電. reset byreload			Deeb 73t	1.電池接上偵測到2 串電池
					reset byreload				2.馬達運轉過程中偵測會輪錯誤
3	SAFE	3-BURST	AUTO	3響聲	18 50 50 50 80 16 0 0	-			
3	SAFE	3-60K31	AUTO	3-8-3E	reset byreload				
4	SAFE	單發預拉	單發釋放	4響聲]			
當聲響結束後 2.持續按住板橋	1.在任何模式之下將mode開闢切換到uam位置按下板模持續5秒時馬達會会出震動發響。 當整響結束後放開板機即完成mod設定(按下板模時會擊發請注意安全) 2.持續按住板機5秒後馬達會依續發出「響發(MOD1),開陽2秒後發出2響聲(MODE2),開隔 2秒後發出2響聲(MODE3),以此類推.								
								Beep 3聲	1.電池接上偵測到3 串電池
◎ 低電壓保護:當3串I-poly電池電壓低於V或者2串Ipoly電池電壓低於6V,不論是在semi或 auto的位置按下板機,則馬達開歇性震動4次表示為電池低電壓. ◎ 過電流保護:當馬達發生卡死或短路現象.三連發多功能電開將自動開閉MOSFET以防止							2.似動子彈記數功能.射擊子彈数量 達到設定值		
MOSFET 燒毀 〇 開置30分銷		小面内的							
			到safe再切回se	m或auto即進入正常	工作.			Beep 4聲	1.雷池接上值测到雷池雷歷過高
使用注意事項									(電壓大於 13.6V)
◎ 當環境溫度	建變化過快	.比如冬天從	戶外進入室内國	時,可能會產生單發對	閏2發,或者單發預	預拉不			2.擊發偵測電池低電壓
確實的情況.只 會儲存學習後		擊發5 [~] 10發後	後就會穩定,穩定	E後將模式切換鈕切	到saf後,多功能的	電閘就			(3串電壓小於 8.6V,2串小於6.2V)
◎ 在極低溫現	環境下.機相			能也會降低,所以運	博速度將會比正	常溫度慢.電			3.欣動彈夾偵測沒有偵測到彈夾
流耗損也會變 ◎ 廠内組裝開 號偵測不良而	侍齒輪上 油	不可填滿齒	輪間的縫隙,過	多的潤滑油噴濺到紅	[外線sensr可能	導致齒輪信			
								Beep 5聲	
								Deeb off	
								電池接上偵測到朝體程式沒有開通	
							Beep 6聲		
							1	1	1

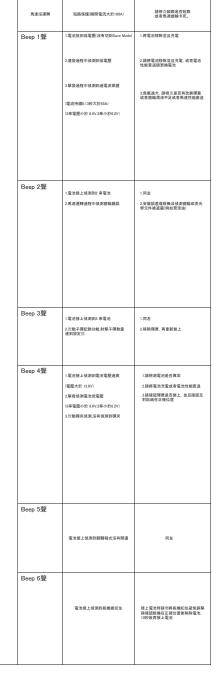
Problem solving:



the battery after 10 seconds.



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解決方法

此功能為表示工作狀態正常