

**HIMAX®**

# **CLT-50AT-RE**

Power Controller  
TLF series Electric Screwdriver

Operation instructions

## 一 注意事項：

### I. Notice:

1: 使用此變壓器時,請先閱讀本操作手冊,以期正確安全之使用.

Please read this operation manual before using the transformer for correct and safe use.

2: 此變壓器應使用於正確之輸入電壓.

The transformer shall be used with correct input of voltage.

3: 此變壓器須於通風良好之場所使用.

The transformer shall be used in a place of good ventilation.

4: 請將變壓器安放於乾淨,乾燥之場所, 並遠離油氣,瓦斯,雜訊與高壓之地點.

Please put the transformer in a clean and dry place, which is far away from oil, gas, noise and high voltage sites.

5: 使用時變壓器請確實接地.

Please make sure the transformer is grounded in use.

6: 當分離或組合變壓器與電動起子時須確定電源為關閉狀態.

When assembling or disassembling the transformer and electric driver, make sure the power is OFF.

7: 確定螺絲鎖緊之時間,以期在適當時機啓用變壓器之停止功能 ( STOP function ).

Make sure the screw locking time to use the STOP function at a proper time.

8: 如有超過螺絲鎖緊之時間 ( 如滑牙,螺絲不良,無螺絲之狀態.....等 ), 應啓用停止之功能, 以避免電動起子不必要之旋轉.

When exceeding the screw locking time (such as sliding, poor screw, no screw state etc.)

9: 安置變壓器與控制器時信號線與電動起子控制線不可太長,以避免動作不正確.

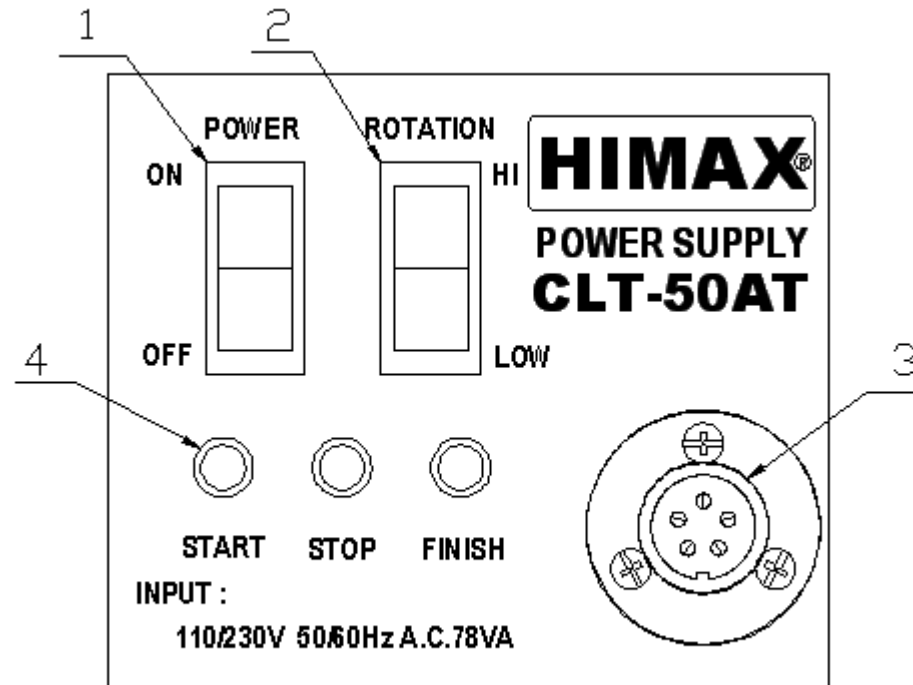
When installing the transformer and control, it not desirable to have too long signal line or control line of the electric driver to avoid any incorrect movements.

10: 變壓器應放置於清楚看見以及容易移動方便維護之位置.

The transformer shall be put at a place where it is clearly seen, easy to move and convenient for maintenance.

## 二 面板說明：

### II. Explanation of panel



1：電源開關.

Power switch

2：HI/LOW 轉速電壓開關，可改變輸出於電動起子之電壓 30V/20V.

HI/LOW rotary speed voltage switch, may change output voltage of the electric driver by 30V/20V.

3：電動起子電源線插座，請使用原廠提供之連接線.

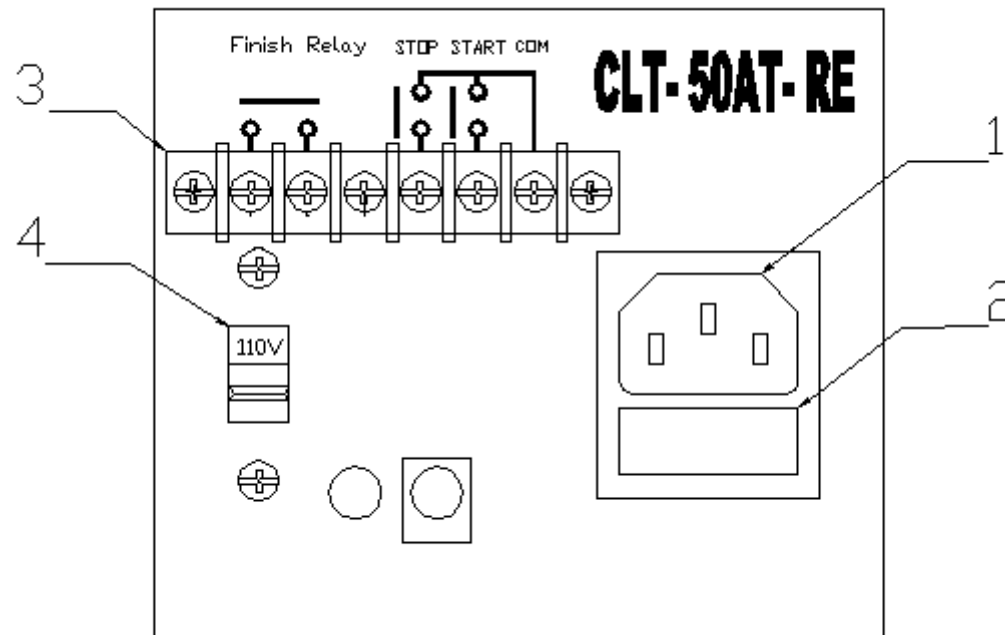
Electric driver power cord socket, please use the connection line provided by the manufacturer.

4：信號狀態指示燈，顯示背板輸出入信號之狀態.

Signal state indicator light, indicating the input/output signal state on the backboard.

### 三 背板說明：

#### III. Explanation of backboard



1：電源線插座.

Power cord socket

2：保險絲插座，2A/110V 或 1A/230V.

Fuse jack, 2A/110V or 1A/230V.

3：輸出入信號端子，可控制電動起子之起動，停止與螺絲鎖緊之輸出信號.

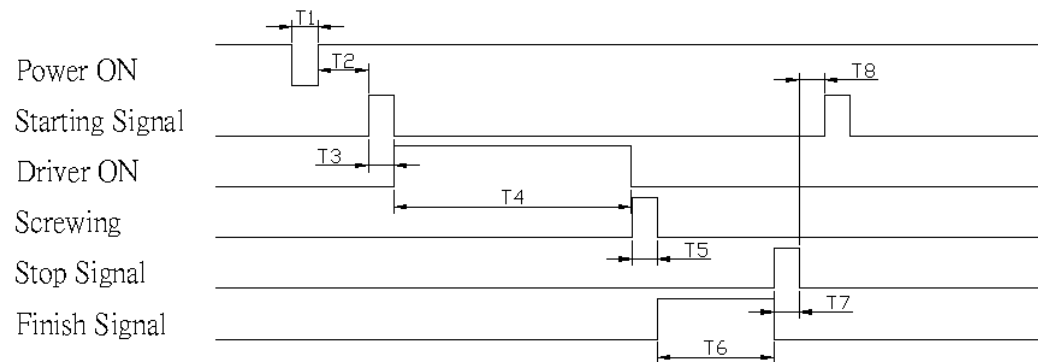
Output/input signal terminal may control start and stop of electric driver, and screw locking output signal.

4：輸入市電選擇開關，提供 110V/230V 之選擇.

Electric supply input selection switch, providing choice of 110V/230V.

#### 四 變壓器信號時序表：

#### IV. Transformer signal time scale



#### 五 信號描述：

#### V. Signal description

T1: 電源於關閉後最少 2 秒鐘方可打開電源啓動變壓器.

Turn on the power and start the transformer at least in 2 seconds after the power is off.

T2: 於變壓器啓動後至少 2 秒鐘方可輸入信號以啓動電動起子.

Input the signal to start the electric driver at least in 2 seconds after the transformer is started.

T3: 爲電動起子之啓動信號應超過 0.5 秒.

Indicating the start signal of the electric driver, which shall exceed 0.5 second.

T4: 爲電動起子之旋轉時間，視鎖緊時間之不同.

Indicating the rotary time of the electric driver, which varies with the locking time.

T5: 電動起子之鎖緊信號.

The locking signal of the electric driver.

T6: 螺絲鎖緊時由變壓器背板 ( Finish ) 輸出之信號, 時間長短之決定為螺絲鎖緊後至 Stop 信號輸入為止.

Signal output by the backboard (Finish) of the transformer when the screw is locked, lasting for a period from the time when the screw is locked until the input of Stop signal.

T7: 為停止信號 ( 應大於 0.5 秒 ),其說明如下:

Indicating the stop signal (required to be longer than 0.5 second), which is explained as follows:

1: 如於電動起子旋轉中, 則此信號之輸入將可停止電動起子之旋轉.

If the electric driver is rotating, input of this signal may stop the rotation of the electric driver.

2: 如螺絲已經鎖緊, 則此信號將可打開 Finish 輸出 (Open).

If the screw is locked, the signal may open Finish output (Open).

3: 當有 Start 信號存在時, Stop 信號將不被接受. 兩信號至少需間隔 0.5 秒.

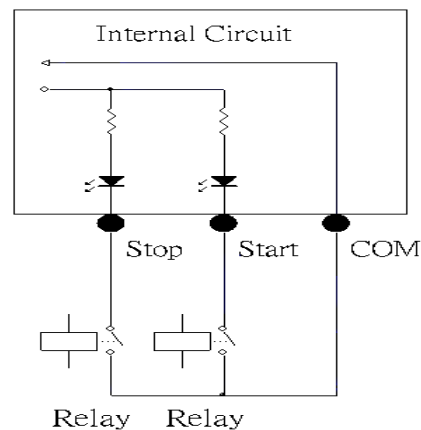
When the Start signal exists, Stop signal will not be accepted. A minimum interval of 0.5 second is required between the two signals.

T8: 停止信號與啟動信號之間隔應大於 0.5 秒.

The interval between the stop signal and start signal shall be longer than 0.5 second.

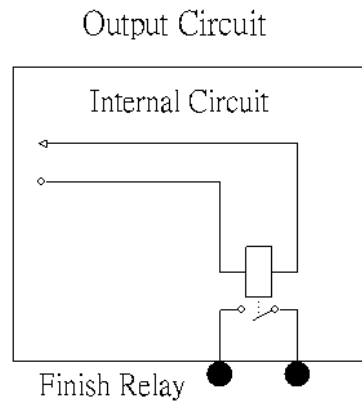
六 輸入信號 :

## VI. Input signal



## 七 輸出信號

### VII. Output signal



#### Relay of contact rating

Rate Load	AC110V 0.5A , DC24V1A
Max. Allowable Voltage	125VAC , 30VDC
Max. Allowable Current	1A

## 八 規格：

### VIII. Specifications

Model : CLT - 50AT-RE

Size : 180mm \* 90mm \* 85mm

Weight : 2700g

Input Voltage : AC 110V or 230V 50/60Hz

AC Plug Cord Length : 1.8m

Output Voltage : DC 30/20V HI/LOW Max 2.5A

九 附圖：TLF-2000~6000 尺寸圖

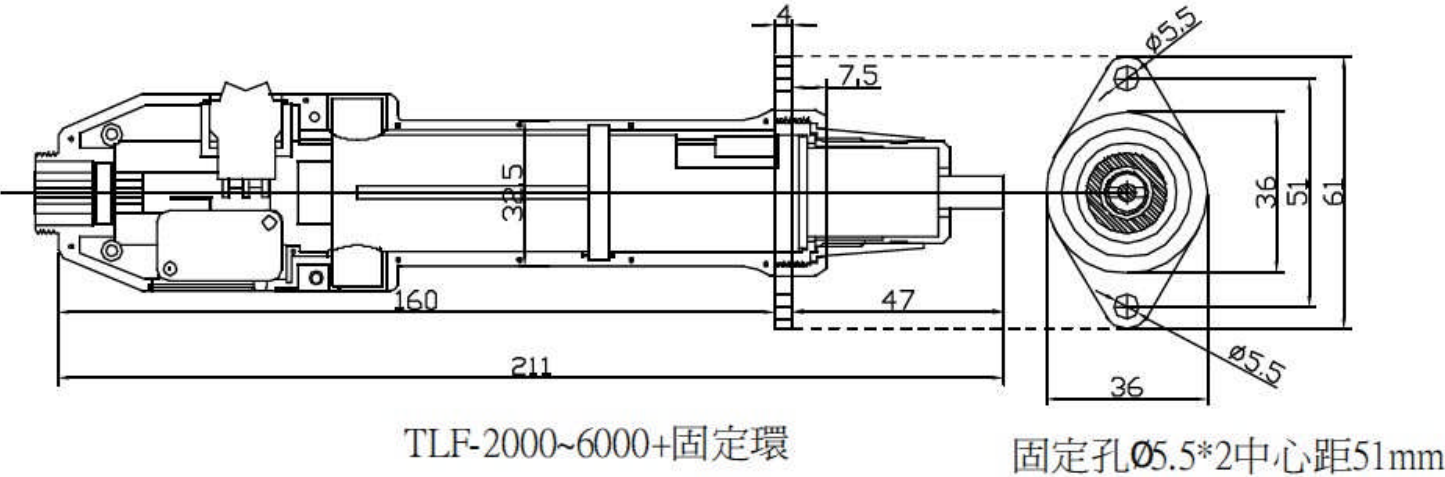


圖 名	圖 號		尺 度	mm	材 質	
TLF-2000~6000 尺寸圖	審 核		設 計		數 量	
	核 准		比 例		制 圖	



TLF-2000~6000 尺寸圖

