SUMAKE®

Professional & Industrial

OPERATION AND MAINTENANCE MANUAL

ITEM NO.: SCT-C1
SMART CONTROLLERS ARE COMPATIBLE WITH SCT-xx SERIES CURRENT CONTROL DC ELECTRIC SCREWDRIVER

SCT-C1-I-2503C-K2

SUMAKE

INDEX

Read all instructions before operation

(Exploded parts diagram attached)

Warning

For the sake of safety, read the User Manual carefully before using the current controller; be sure to operate it according to the instructions in this Manual, and pay attention to all warnings.

1. Important Safety Instructions

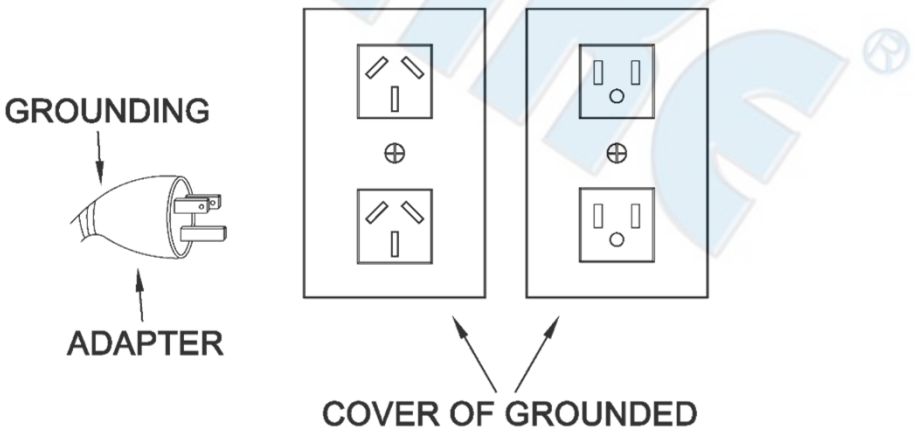
1. Use the voltage specified in the current control screwdriver controller manual.
2. When using the power supply of the current controller, ensure the current loop and safety switch device, and connect the earthing wire properly.
3. Do not place heavy objects or pile up objects on the current controller; keep it working at an appropriate temperature and humidity.
4. Do not place the current controller in a poorly ventilated room, or expose it to dust and metal filings
5. Do not place the current controller in a high temperature and humid environment or a space with flammable gas.
6. Do not install the current controller in a high place; put it in a safe, stable and mounted position to prevent the danger of falling.
7. Do not use the power cord to pull the current controller and power supply or pull the power cord away from the socket.

Precaution

1. Use this controller with a set of dedicated current control screwdrivers SCT-C70I screwdrivers.
2. Use this current controller with our company's current control screwdriver and power supply. If you use it with a current control screwdriver, current controller or power supply not produced by our company, or use non-original spare parts for maintenance, the controller may be damaged. The company will not be responsible for any failure or poor quality and should result in the invalidation of all our guarantees.
3. While the screwdriver is in progress, if the forward and reverse switches are switched instantaneously, the machine will start the protection program and the screwdriver will stop running.
4. After the power is turned off, the DC cable can only be plugged and unplugged after the LED light has extinguished.

Grounding description

When using the electric screwdriver controller, it should be grounded to prevent the operator from getting an electric shock. The controller is equipped with three wires and a three-pin grounding plug suitable for grounding sockets. The grounding wire of the socket itself must be connected with the grounding wire of the power supply device to be grounded. The yellow-green wire is the grounding wire. Do not connect this yellow-green wire to the energized connector. In addition to the leakage safety grounding, the grounding wire in the controller can also eliminate the ESD static electricity generated when the screwdriver is working by relying on the grounding wire.



2. Product specification

Model No.	SCT-C1		
Input voltage	AC 115V / 230V	Input frequency	50 - 60Hz
Input current	6.3A	Output voltage	DC 40V
Output current	Max 9A	Output power	360W
Work cycle	1s ON / 3s OFF		
Outer dimension	241 x 185 x 127(mm)		
Weight	3.46kg		
Screwdriver model No.	SCT-12I, SCT-20I, SCT-50I, SCT-70I		

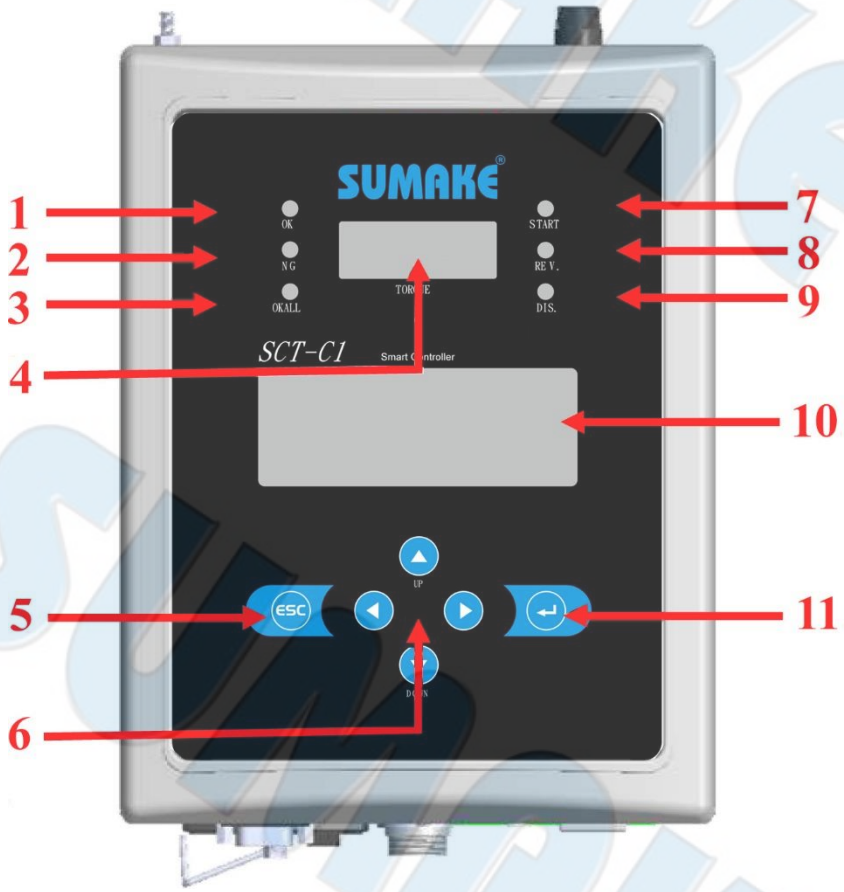
Operation Instruction

1. Read the User Manual carefully before operation and operate the current controller according to the safety regulations.
2. When inserting or unplugging the screwdriver cable and the plug of the power cord, it must grasp the plug part of the cable.
3. Mount the current controller to avoid danger caused by pulling.
4. Do not get close to oil, chemical substances or hot objects; be careful not to let the cable being scratched by sharp object during work.
5. This type of controller can only be used exclusively for the current control screwdrivers produced by our company. Do not use the current controller for other machines.
6. If the controller is overheated, or the current under the load exceeds the maximum current of the fuse, the fast fuse will automatically break off to cut off the power supply; if it continues to trip or the switch action is abnormal, stop the operation immediately and send the current-control screwdriver and the controller back for repair.
7. While the screwdriver is in progress, if the forward and reverse switch is switched instantaneously, the machine will start the protection program and the screwdriver will stop running.
8. Do not disassemble the current controller arbitrarily and try to repair it by yourself.
9. When not in use, turn the main power switch "OFF", and unplug the power plug.

3. Appearance

3.1 Panel

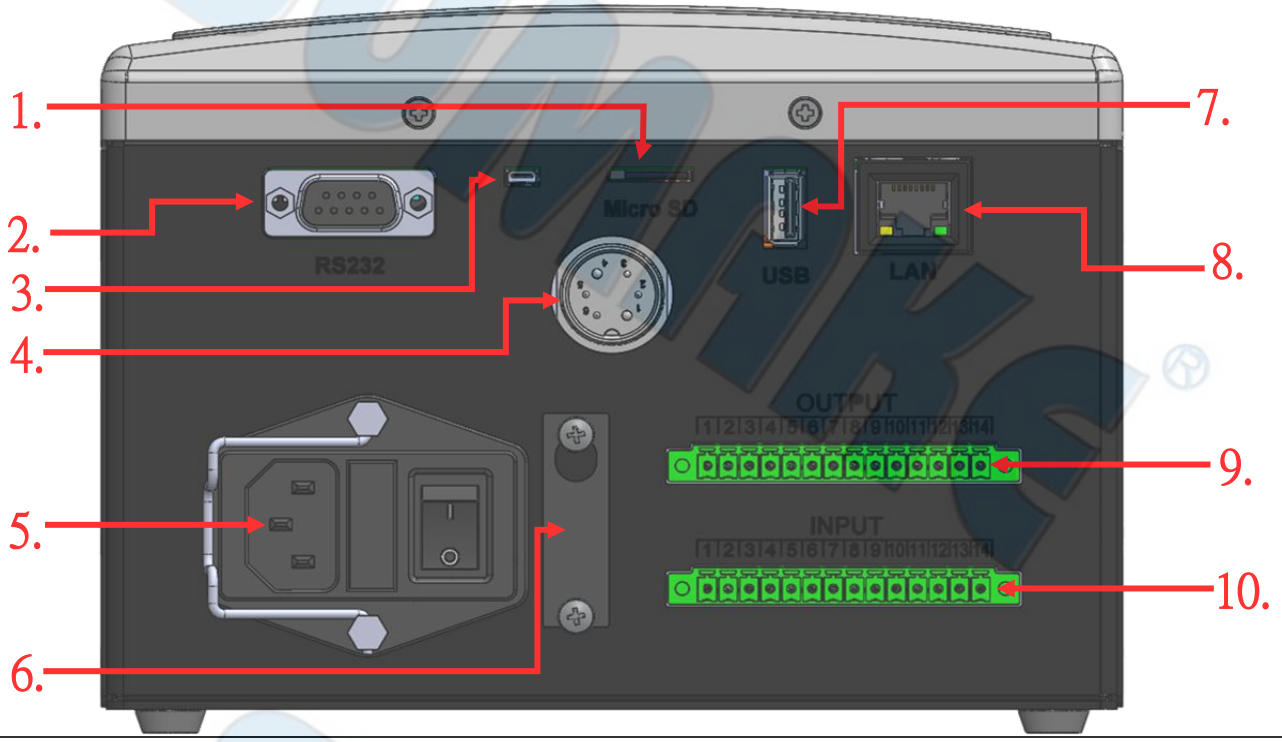
1. OK signal indicator
2. NG signal indicator
3. OKALL signal indicator
4. 4-position, 7-sect torque display
5. ESC button (return/exit/enter setting mode)
6. Up, down, right and left buttons
7. Start signal indicator
8. Reverse signal indicator
9. Disable signal indicator
10. 16X4 LCM display setting
11. Enter button(select/confirm)



Job: job work JS: job sequence TR: display counting data
Time: display screwdriver acting time
Angle: display screwdriver acting angle
Torque: display torque data
Status: display status (OK, NGHQ, NGLQ, NGHA, NGLA, NG-F, OKALL....)

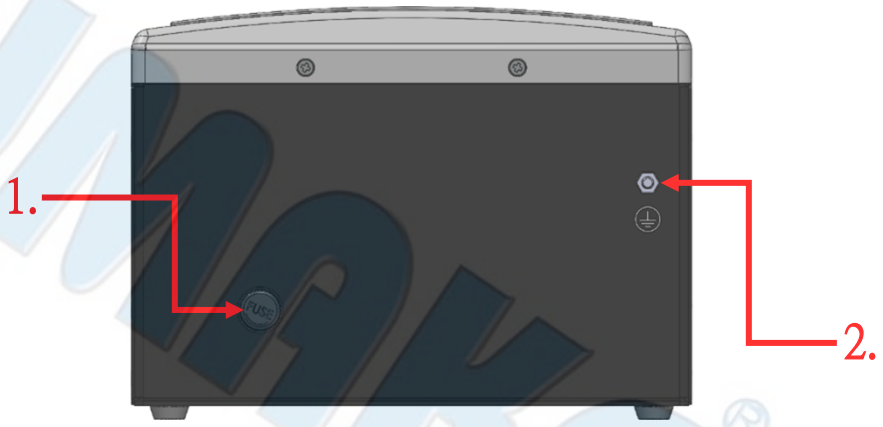
3.2 Bottom

1.	Micro SD card socket (data storage)	6.	Voltage changeover switch
2.	Protocol output port	7.	Scanner USB type-A socket
3.	Software-updating socket	8.	Wired communication port
4.	Tool connection seat	9.	Output screwdriver signal port
5.	Power cord socket and power switch	10.	Input control screwdriver signal port



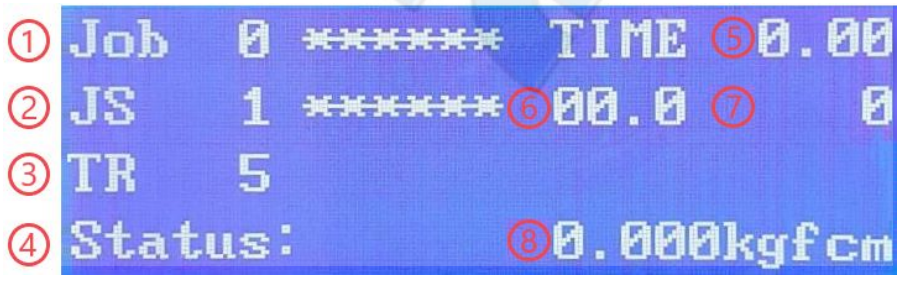
3.3 Upper cover

1. DC fuse seat (incl. 10A/250 fuse)
2. Grounding connector seat (FG)



3.4 LCM display

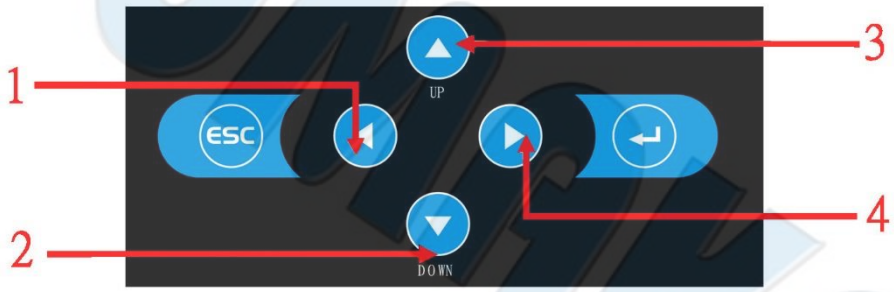
1. Display currently underway job
2. Display current underway sequence
3. Display remaining number of screws
4. Display current system status
5. Display tool actuation time (seconds)
6. Display tool actuating circle number
7. Display tool actuation angle
8. Display tool actuating torque



4. System setting method.

4.1 Shortcut keys

1. LEFT: Press this key once to clear the counting number of screws; press and hold the key for three seconds to hear a beep to return to the first sequence
2. DOWN: Press and hold for three seconds to hear a beep to return to the previous sequence
3. UP: Press and release UP and DOWN together to view the speed/torque range of the tool (screwdriver). Press DOWN on the version information screen to display the controller version information. Press DOWN again to display the current network IP/ Mask/Gateway
4. RIGHT: Press and hold for three seconds to hear a beep to go to the next sequence

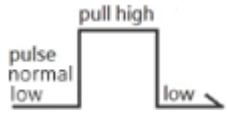


4.2 Enter the setting page.

1. Press and hold "ESC" for three seconds; when hearing the "beep" from the buzzer, enter the page for verifying the password.
2. Enter the password according to the method displayed in the figure, and press "Enter" to enter the next page after inputting.
3. 3. Display according to the figure: controller setting, job and sequence, tools and information pages; Press "ESC" to return to the status display page; select an item and press “Enter” to enter the next page

5. Controller setting

Name	Data setting item	Function description	Default value
Controller mode	Single	Single: Single mode	Single
Equipment No.	001~250	Set equipment number	01
Tool activation setting	Press start/external start/both	Select tool activation method	Both
Baud setting	115200/57600/38400/19200/9600	Select the baud of controller’s data transmission	115200
Back to default	N/Y	Y: Return back to default status and clear memory data	N
OKALL	Single/each time	Single: OKALL appears when all sequences in the job are locked Each time: When a sequence in the job is locked, an OKALL will appear	Single

Gate mode	None/ First reaction/ Second reaction	None: Do not activate this mode First reaction: Once the workpiece is in place (short-circuit signal), the initial state shall be low; when a lock occurs, it shall be enabled once by operating high.  Second reaction: Trigger-twice workpiece in place (open circuit signal), the initial state shall be high; when a lock occurs, it shall be activated for the second time by operating low.  	None
Barcode activation	OFF/ON	Scan barcode before turning on or off job performance. After it is turned on, the word BS will appear on the job screen and locked; the lock will be unlocked when the barcode is scanned to switch the sequence. BS will also appear and locked when the locked number are completed, which needs to scan the barcode again to switch to the sequence to be run.	OFF
Store job barcode	1~15	After pressing this option, a “scan job code” prompt appears. After selecting the job group to be set, use the barcode machine to scan the barcode, and the scanned barcode will be automatically stored in the controller. Set the job group within 1~15, and switch the barcode used by the job group. Each group of barcodes should not exceed 54 bytes.	01
Barcode setting	Job group: 01~15 From: 01~54 Number: 01~54	Set the interval for barcode judgment of each job group. From: Set the first character barcode is to judge from Number: How many judging characters are to be counted from the judging character to the end. After scanning the barcode, the total number of characters in the barcode will be displayed	Job group: 01 From: 01 Number: 01
Counting method	Count down/count up	Set the count times	Count down
Time setting	YYYY/MM/DD HH：MM：SS	Set controller time. AD year/month/day/hour/minute/second	2022/01/01 01：01：01
Set product serial number	Product serial number	Display the product serial number of the device	Product serial number
Change password	0000~9999	Set password	0000
Data export settings	Wireless/wired network/RS-232	Select data output by wireless network or wired network	RS-232
Sound mode	ON/OFF	Set the buzzer switch	ON
Select a language	Chinese/English	Select language interface	Chinese
LAN:	STATIC/DHCP	STATIC: Manually set, using a fixed IP DHCP dynamic: Automatically obtain, distribute IP via router. (In the working screen of the controller, press UP: the UP and DOWN are pressed together and then release them to enter the version information screen; then, press DOWN twice to display the current network IP/Mask/Gateway of the controller)	STATIC

6. Jobs and sequences

Name	Data setting item	Function description	Default value
Select job	01~15	Select the job (project)	00
Set job group	01~15	Set the job (project). Here you can select to set up to 15 groups of job pages and set the following items	01
Set job name	******	Set the job name, you can set it in number, English capital (small) letters, or symbols	******
Job sequence number	01~15	Set the total number of job sequences	01
Job sequence	01/01~15/15	The current sequence /total number of sequences, press "RIGHT" on the controller to switch and display up to 15 groups of sequence pages and set the following items	01/01
Lock group	-	Set the type of screw lock, press Enter to enter the menu; the following options are displayed:	
Job	01~15	Display job	01
Job sequence	01~15	Display sequence	01
Screw name (job sequence name)	******	Set the sequence name, you can set numbers, English capital (small) letters, symbols	******
Screw schedule number	01~05	Sets the total number of schedules used for these screws in the operation	01
Optimization	OFF/ON	When set to low torque and high speed or high torque and low speed, the controller will automatically adjust the speed to make the actual torque performance more stable	ON
Threshold	OFF/ON	The function of opening/closing the threshold point (torque/speed drop)	OFF
Schedule (Screw schedule)	1/1~4/4	According to the number of screw schedules, display the current schedule/total number of schedules for these screws. Press "RIGHT" on the controller to switch and display up to 4 sets of schedule pages and set the following items	1/1
Target	Torque/Delay T /Angle	Select the locking target as Torque (torque), Delay T (delay time) or Angle (angle)	Torque
Torque Target /Delay Time /Angle Target	Target torque value (kgf.cm) 000.00~550.00 **(006.00~030.00)** Delay time: 0.0~9.9 Target angle value: 0~9999	Set the target torque value, delay time or target angle value of the screwdriver. The target torque value must be entered in a reasonable torque range according to the specification of the screwdriver. If the setting value exceeds the specification far, the screwdriver will not start. (Example: 6~30kgf.cm=0. 6~3N.m)	The lower limit of target torque value follows the screwdriver specification and displays automatically
RPM	100~upper limit of screwdriver specification	To set the speed (rpm) of the screwdriver lock, it must be set according to the speed range of the screwdriver specification and the required speed. It cannot be set to a speed exceeding the screwdriver specification. The maximum RPM speed cannot be set to exceed the screwdriver specifications. Schedule 1 has a minimum of 50 RPM, while Schedules 2 to 4 have a minimum of 100 RPM.	100
Direction	CW/CCW	Set the rotation direction of the screwdriver lock, CW (clockwise)/CCW (counterclockwise)	CW
Q Limit	(000.00~000.00) ~ (550.00~ Current target torque value)	Set the upper limit ~ lower limit of the torque; when the screwdriver lock value exceeds the upper/lower limit, NGHQ/NGLQ will be displayed	The minimum value of the torque upper limit and the maximum value of the torque lower limit The upper limit follows the screwdriver specification and displays automatically

A Limit	(0000~0000) ~ (9999~9998)	Set the upper limit ~ lower limit of the angle, when the screwdriver lock value exceeds the upper/lower limit, NGHA/NGLA will be displayed	9999~0000
Threshold torque	000.00~xxx (Upper limit cannot exceed the target torque value)	After touching the set threshold point of torque, the controller starts to calculate the locking angle of screwdriver, and it is OK to stop within the set torque upper/lower limit range	000.00
Torque at speed drop point	000.00~xxx (Upper limit cannot exceed the target torque value)	After touching the torque value of the set speed drop point, the screwdriver speed will drop, and it is OK if it stops within the range of the set torque upper/lower limit	003.00 (kg-cm)
Speed at speed drop point	100~xxx (Upper limit equals to the set rpm of screw sequence)	Set the speed of the screwdriver when the torque value of the speed drop point is reached	100
Number of locking screws	00~99	Set the total number of screw locks in the sequence	00
Torque unit	Kg/cm; Lb/inch. Kg/m. N/m	Set torque display unit	Kg/cm
Disable start when NG	OFF/1~9	Set the processing method selected when screwdriver lock is wrong 1~9: Setting 1: lock the screwdriver for first locking error, setting 2: for continuous locking error, lock the screwdriver when the second error occurs... and so on; if one of the locking errors is OK, make recalculation. Initiate 1-9 functions: When the error signal is "NS", the screwdriver is locked immediately; user needs to press "ENTER" to confirm to release it (if it is the I/O part, it is an external CONFIRM signal, and the screwdriver can still remove the screw before confirmation is made) Off: When the error signal "NG" displays, the screwdriver will not stop, nor affect the next startup of the screwdriver, only a warning will be issued	OFF
OKALL prohibits the screwdriver from starting	OFF/ON	Set the processing method selected when the total number of screws in the sequence is counted and the action is completed. On: Lock the screwdriver immediately when the number of pieces in the sequence is completed. User needs to press the "ENTER" to confirm to cancel the forward rotation. (For the I/O part, it is an external CONFIRM signal) Off: When the action is completed, the screwdriver won't stop; nor will it affect the next start of the screwdriver	OFF
OK one duration	0.0~9.9	Set the number of seconds for the OK signal to last each time a screw lock is completed	9.9
OKALL duration	0.0~9.9	Set the number of seconds for the OKALL signal to last when the total number of screws in the sequence is counted and the action is completed	1.0
Screw removal direction	CCW/CW	Set the rotating direction when the screwdriver removes the screw, CCW (counterclockwise)/CW (clockwise)	CCW
Screw removal speed	00~10	Set the speed of the screwdriver when removing screws, 00: screwdriver doesn't run, 01 (low speed) ~ 10 (high speed) are, in order, 10% ~ 100% of the maximum speed of the screwdriver	01

Screw removal force	00~10	Set the force of the screwdriver to remove the screw, 00: screwdriver doesn't run, 00 (low torque) ~ 10 (high torque) are, in order, 10% ~ 100% of the maximum torque of the screwdriver	01
K	40%~300%	Adjust this value so that the actual torque value of the screwdriver lock is close to the torque value displayed on the controller (KTM torque meter is an optional product). Please gradually adjust this percentage value. If the value is adjusted too large or too small, the screwdriver torque and function will be reduced. Can't move normally	100%
Compensate	-254 ~ +254	Make fine adjustment, making the actual torque value of the screwdriver lock closer to the torque value displayed on the controller (KTM torque meter is an optional product)	+000

7. Tools and data

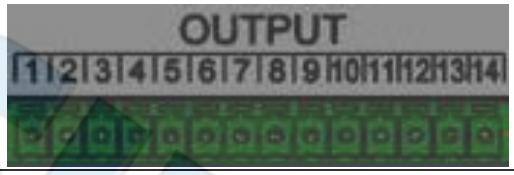
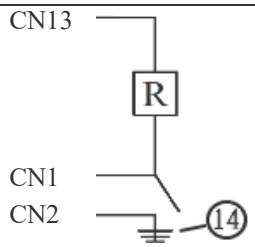
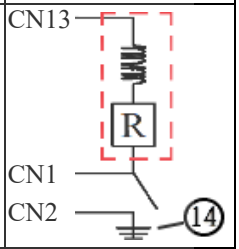
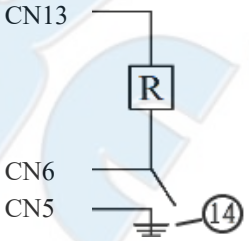
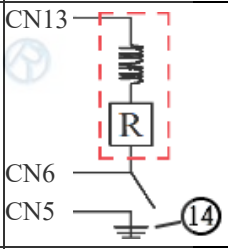
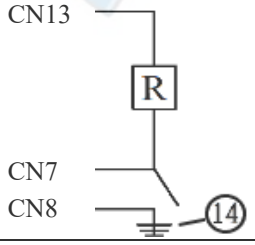
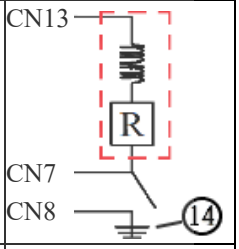
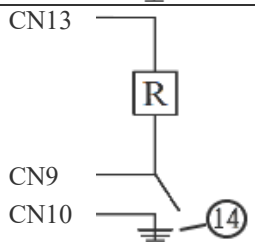
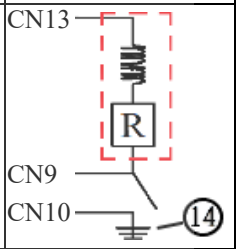
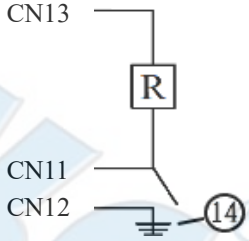
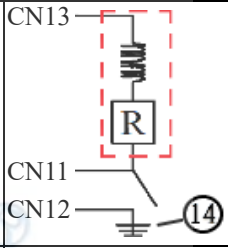
Name	Function description
Calibration tool	Enter the calibration mode, this function is only available for agents, not for customers

8. DESCRIPTION OF DISPLAY STATUS CODES

Code	Description	Lock-release method
C1	Confirmation of trigger-once external sensor mode	External sensor mode Trigger once
C2	Confirmation of trigger-twice external sensor mode	External sensor mode Trigger twice
C3	When the "prohibition to start after sequence completion" is enabled, the LCM screen will display "C3" when OKALL	Panel Enter key / CONFIRM key for external switch
C4	When the "prohibition to start when the sequence is completed" & "sensor mode trigger-once sense" is turned on; the LCM screen will display "C4" when OKALL	External sensor mode Trigger once + panel Enter key / CONFIRM key for external switch
C5	When the "prohibition to start after sequence completion" & "sensor mode trigger-twice sense" is turned on; the LCM screen will display "C5" when OKALL	External sensor mode Trigger twice + panel Enter key/ CONFIRM key for external switch
NS	When an operation error occurs, the LCM screen will display "NS"	Panel Enter key/ CONFIRM key for external switch
BS	When the "Barcode Start" is turned on, "BS" will be displayed before running the job	Barcode scanning
OK	Each time when the lock is in place, the LCM screen will display "OK"	NA
OKALL	When the set number of screws is completed in each locking sequence, the LCM screen will display "OK ALL"	NA
NG	NG-F: Screw schedule not completed. NS-F: This state needs to go through the Confirm/Enter sequence before starting the next action. NGLQ/NGHQ: After the screwdriver is started, the stop torque is less than the "lower limit of judging locking torque" or "greater than the "upper limit of judging locking torque" (judged according to the setting value of Q Limit). NGLA/NGHA: After the screwdriver is started, the stop angle is less than the "lower limit of judging locking angle" or "greater than the "upper limit of judging locking angle" (judged according to the setting value of C Limit).	NA

E1	Current protection: When the electric screwdriver lock reaches the protection point of the motor current, it will stop the action of the electric screwdriver and display this symbol on the LCM, indicating that the screwdriver is currently under the abnormal protection of motor startup	NA
E4	Temperature protection: When the internal temperature of the electric screwdriver is too high, the action of the electric screwdriver will be stopped and this symbol will be displayed on the LCM, indicating that it is under over-temperature protection now	NA
E5	Stall protection: When the electric screwdriver motor starts abnormally, it will stop the action of the electric screwdriver and display this symbol on the LCM, indicating that the screwdriver is under motor start abnormal protection now	NA
E9	Abnormal operation: When the electric screwdriver lock is running continuously for more than 20 seconds, it will stop the action of the electric screwdriver and display this symbol on the LCM, and E9 will not be displayed when removing screws	NA
Err	Abnormal operation of the sensor mode: When the sensor mode is turned on and operated incorrectly (the sensor high/low initial state is incorrect), the buzzer will sound intermittently, and this symbol will be displayed on the LCM	Check sensor phase (at normal initiation state) and setting mode
ES	Communication abnormality at the screwdriver terminal: When the detection of the communication signal of the electric screwdriver is abnormal, the operation of the electric screwdriver will be stopped, and this symbol will be displayed on the LCM	NA
EOC	When the LCM displays the EOC prompt, it means that the SGT-CC screwdriver needs to be calibrated and maintained. Note: When the total number of locks are greater than one million times, it will prompt each time it is booted	NA
ELS	When the LCM displays the ELS prompt, it means that the capacity of the SD card is lower than 100MB, and the action of the electric screwdriver will stop; it needs to press “Enter” to release the locked state of the screwdriver.	NA
EPC	ADV MODE: communication detection is abnormal.	NA

9. Description of external output control

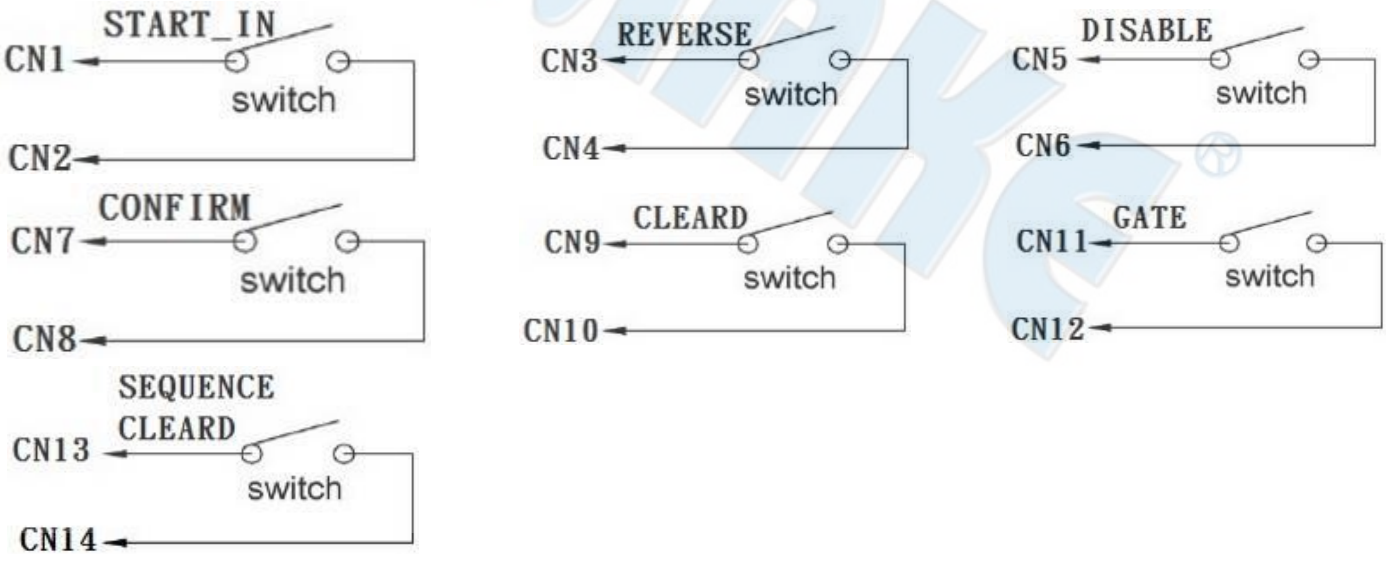
Connector No	Definition	Description 	Ordinary load	Inductive load
CN 1	START	RUN FWD: CN1 and CN2 are connected when a screwdriver is initiated. CN1 + CN2 are connected when short-circuited. CN1 + CN2 are disconnected when open-circuited		
CN 2	COM			
CN 3	-	-		
CN 4	-			
CN 5	REVERSE	RUN BWD: CN5 and CN6 are connected when screwdriver runs in reverse direction. CN5 + CN6 are connected when short-circuited. CN5 + CN6 are disconnected when open-circuited		
CN 6	COM			
CN 7	OK	OK: CN7 and CN8 are connected when locking down a screw. CN7 + CN8 are connected when short-circuited. CN7 + CN8 are disconnected when open-circuited		
CN 8	COM			
CN 9	NG	NG: CN9 and CN10 are connected when error occurs. CN9 + CN10 are connected when short-circuited. CN9 + CN10 are disconnected when open-circuited		
CN 10	COM			
CN 11	OKALL	OK Sequence: CN11 and CN12 are connected when locking down all screws in the sequence. CN11 + CN12 are connected when short-circuited. CN11 + CN12 are disconnected when open-circuited		
CN 12	COM			
CN 13	Vdc	The voltage output of controller is DC+12V/100mA or +24V/50mA. Default: +24V/50mA (+12V/100mA is also applicable)		
CN 14	GND	GND of output power		

※Note:

1. For INPUT contact, if non-isolation (wet contact) control method is used, a 10K resistor needs to be connected in series on the wiring to prevent equipment damage.
2. ※CN1(V+) and CN14(GND) can supply DC+24V (default). (DC +12V is also applicable)
   ※If user need other DC voltage, he/she must use step-down circuit to step down voltage
   ※If user needs input voltage to drive the police instrument, the input voltage should not exceed DV+/-40V, +/-1A, max:10w (use MOS RELAY I/O version)

10. Description of external input control

Connector No	Definition	Description
CN 1	Input external start signal START_IN	1. Screwdriver starts to rotate when CN1+CN2 are short-circuited (CLOSE). 2. Screwdriver stops rotating when CN1+CN2 are open-circuited (OPEN).
CN 2	GND	
CN 3	Input external reverse signal REVERSE	1. The external reverse signal CN3+CN4 is first short-circuited (CLOSE), and when the start signal CN1+CN2 is short-circuited (CLOSE), the screwdriver begins to reverse-start 2. The external reverse signal CN3+CN4 is first opened (OPEN), and the start signal CN1+CN2 is short-circuited (CLOSE), the screwdriver starts to rotate forward
CN 4	GND	
CN 5	Input external prohibition signal DISABLE	1. When CN5+CN6 is short-circuited (CLOSE), the screwdriver cannot be started 2. When CN5+CN6 is open (OPEN), the screwdriver can start
CN 6	GND	
CN 7	Input external conforming signal CONFIRM	1. When the system asks to press the confirmation key, it can be replaced by this CN7+CN8 short circuit (CLOSE) 2. After CONFIRM is performed, the NG signal will also be cleared
CN 8	GND	
CN 9	Input external CONFIRM CLEARED	When the count value needs to be cleared, the function can be activated through this CN9+CN10 short circuit (CLOSE)
CN 10	GND	
CN 11	External sensing switch GATE	1. Input a confirmation signal to make the machine determine that the locked object is a valid value 2. Inductive switch: The external switch on the job can connect one or two switches
CN 12	GND	
CN 13	Binary Mode Switch . Bit Mode (BCD Code)	When CN13+CN14 remain in a short-circuited state, the OPEN/CLOSE states of the four groups CN1+CN2, CN3+CN4, CN7+CN8, and CN9+CN10 represent bit binary. Open circuit: logic 0, short circuit: logic 1. In this state, short-circuiting CN11+CN12 will execute a switching operation (decimal). For example, bit 1111 can switch to operation 15, and bit 1000 can switch to operation 8.
CN 14	GND	



11. SCT-C1 data transmission instructions and sequence control suggestions

VER:20220606

1. Controller booting and time synchronization:
   After the controller is turned on, it will automatically send {REQ100,....} data format every second to notify the externally connected devices (computer, PLC, and AMS, etc.); at this moment, it is necessary to reply {CMD100,....} indicating that the controller has been booted normally and the current time of the controller. If the controller does not receive a reply {CMD100,....}, the {REQ100,.....} will be sent again after every 10 seconds

2. When the controller receives the barcode data, it will send the scanned data to the external device in {REQ101,....} data format for control judgment or storage records. At this moment, it needs to reply {CMD100,....}

3. After the controller is turned on, when the screwdriver has a locking signal, it will send the locking data in the data format of {DATA100, ...}, and the 14th column (total locking times of controller) will plus 1. At this moment, it needs to reply {CMD100,....}, if CMD100 isn't replied, system will repeatedly send DATA100 data (only the update time); the total locking times of the controller in the 14th column will remain unchanged

4. When the next lock is performed, new lock data will be sent, and the 14th column (total lock times of the controller) can be used to judge whether it is a new lock data or not

5. When the controller receives the reply {CMD100,...} data format from the external device and confirms that the data has been received, the controller will reply by transmitting {REQ100,...}, and the controller time can be set

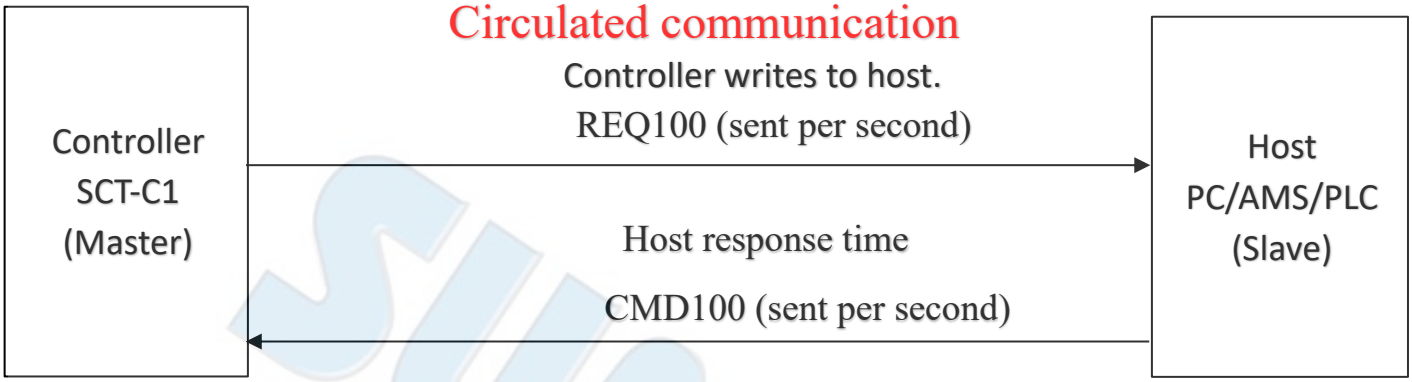
6. It is recommended to apply software sequence control as shown on the following page:
   Note: The content of [CMD100] in the sequence is as follows:

   {CMD100,yy,mm,dd,hh,mm,ss,0000,0000,0,1,}

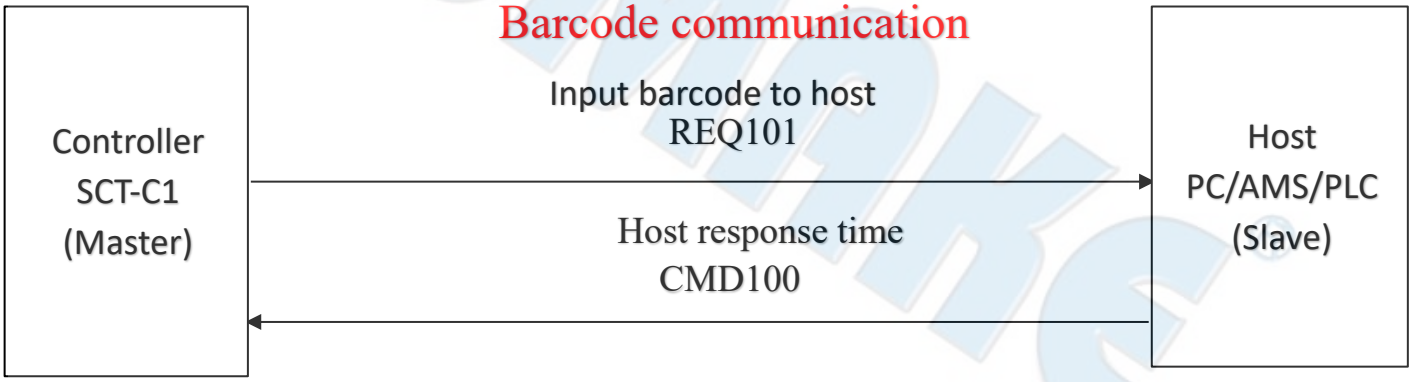
   Str2: year 0001~9999
   Str3: month 01~12
   Str4: day 01~31
   Str5: hour 00~23
   Str6: minute 00~59
   Str7: second 00~59
   Str8 0000-9999 Check Sum(sum of yy, mm, dd, hh, mm, ss)
   Str9 0000-9999 Key Code (Check Sum + 5438)
   Str10 (default: 0)
   Str11 1~255 command serial number (identical to REQ100 command serial number)

7. When the screwdriver is running, it will start to send {DATA101,....} and will not stop until the screwdriver status (eg: NG, OK...) is generated.
   Note: WIFI and Ethernet will not output {DATA101,....} data.

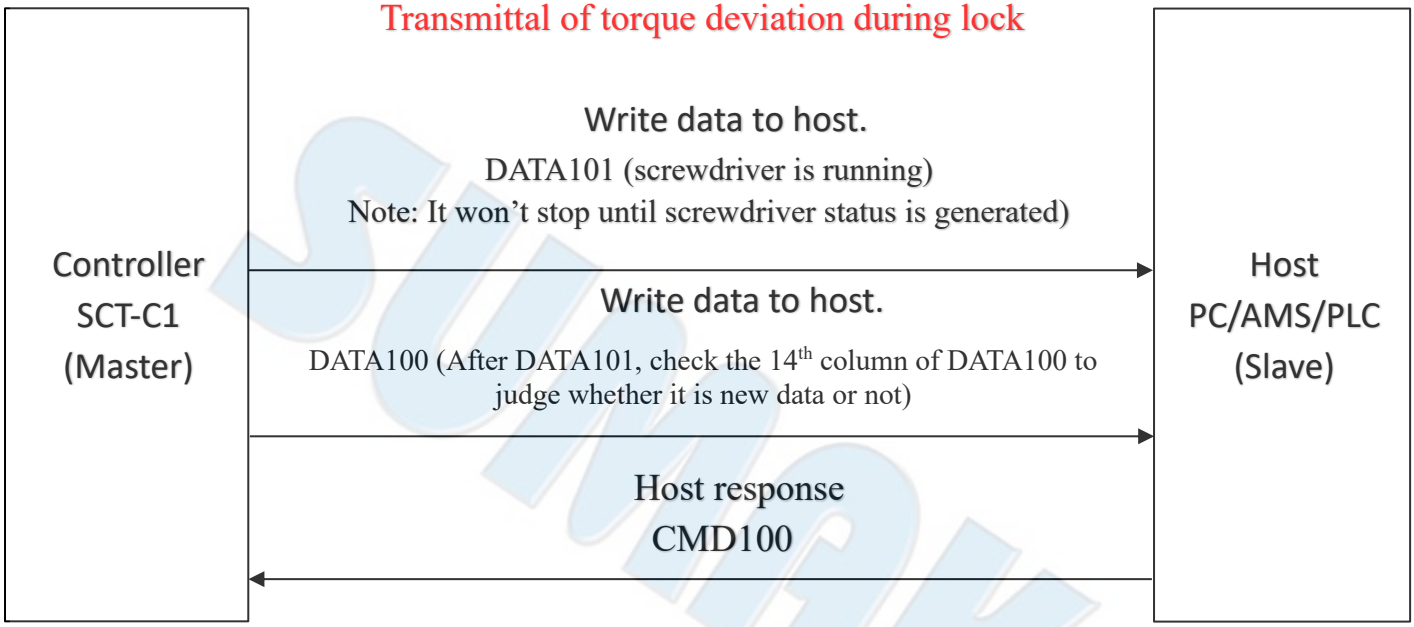
Circulated communication



Barcode communication



Transmittal of torque deviation during lock



EU Declaration of Conformity (DOC)

We: **SUMAKE INDUSTRIAL CO., LTD.**
4F, No. 351, Yangguang St., Neihu District, Taipei City, Taiwan

declare in sole responsibility that the equipment
Equipment： POWER SUPPLY
(SMART CONTROLLER)
Model/ Serial No.： SCT-C1

The object of the declaration described above is in conformity with the relevant union harmonization legislation:

- **Electromagnetic Compatibility 2014/30/EU**
- **Low Voltage Directive 2014/35/EU**
- **RoHS 2015/863**

The following harmonised standards and technical specifications have been applied:

- **EN 55014-1: 2017+A11:2020**
- **EN IEC 61000-3-2: 2019+A1:2021**
- **EN 61000-3-3: 2013+A1: 2019**
- **EN 55014-2: 2015**
- **EN IEC 62368-1:2020+A1:2020**
-

Name and Signature/Position

Date and Place

2025/3/31

Mike Su – Managing Director

Taipei, Taiwan

NOTE