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SJT-TWCR device works with compatible control system elevator, to add functions such as Remote Monitoring, One Key Calling and Rescue, Remote Intercom etc.

This device is installed inside of the control cabinet with external antenna. It is wired parallel with the five-intercom system and requires communicating via the microphone and speaker of the cabin intercom device.

Remote Monitoring: Users can monitor elevator status on the Intelligent Elevator Core System (IECS) platform.

One Key Calling and Rescue: Users press the emergency call button in cabin for more than 1s, then this device will make phone calls to preset personnel. So, people from off-site can

External antenna, stable signal.

Elevator remote monitoring, commissioning and maintenance.
Elevator one key calling, remote intercom.

12V Power: 12V DC \pm 15% 1A.

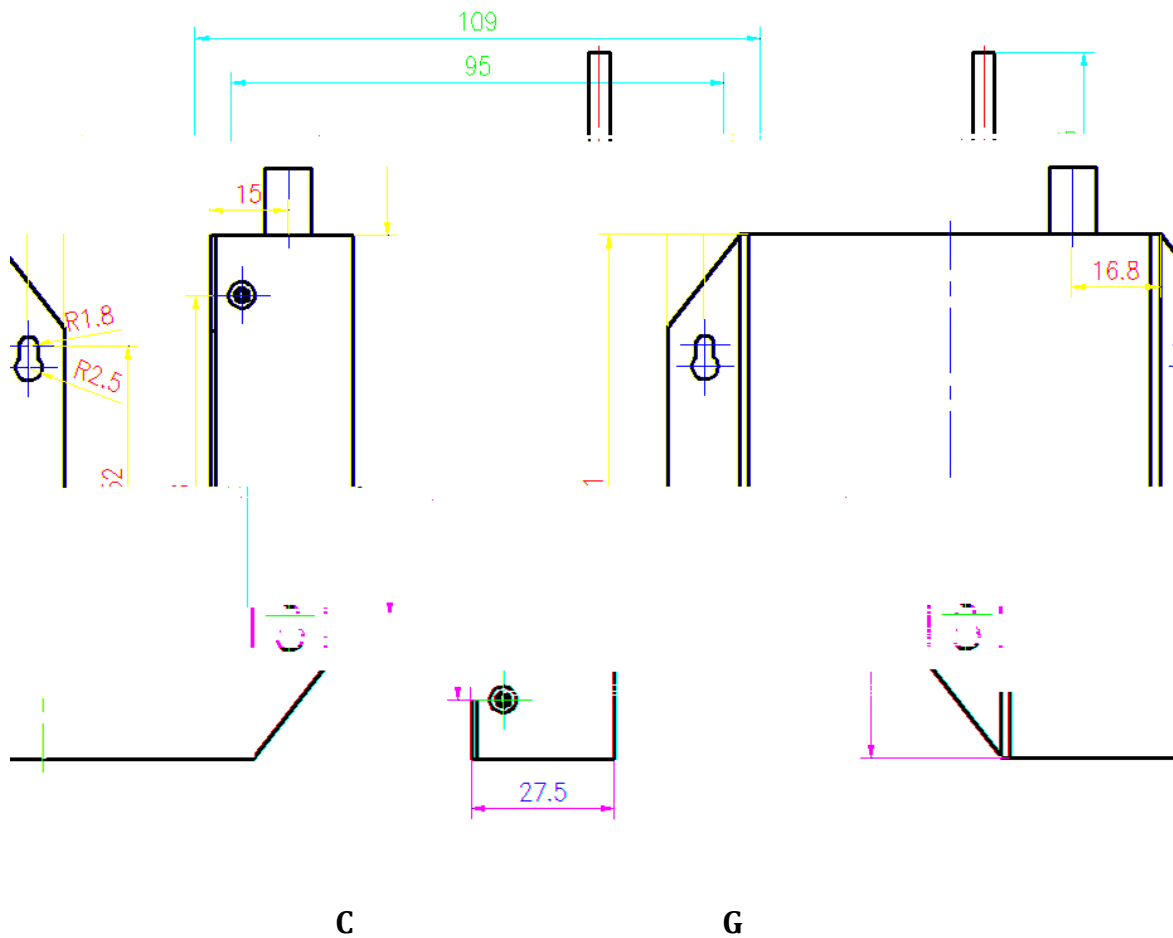
24V Power: 24V DC \pm 15% 200mA.

Working Temperature: -20 --70

Working Humidity: <95%, non-condensing

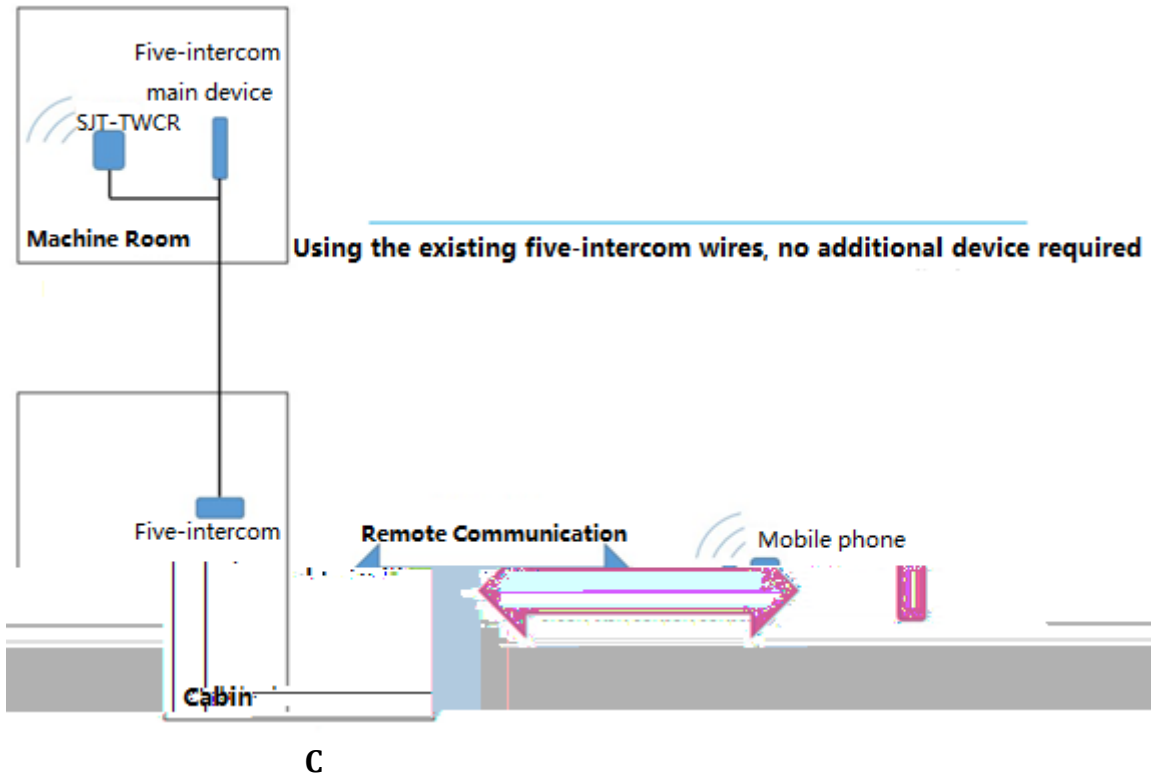
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Length x Width x Height 109x101x27.5mm

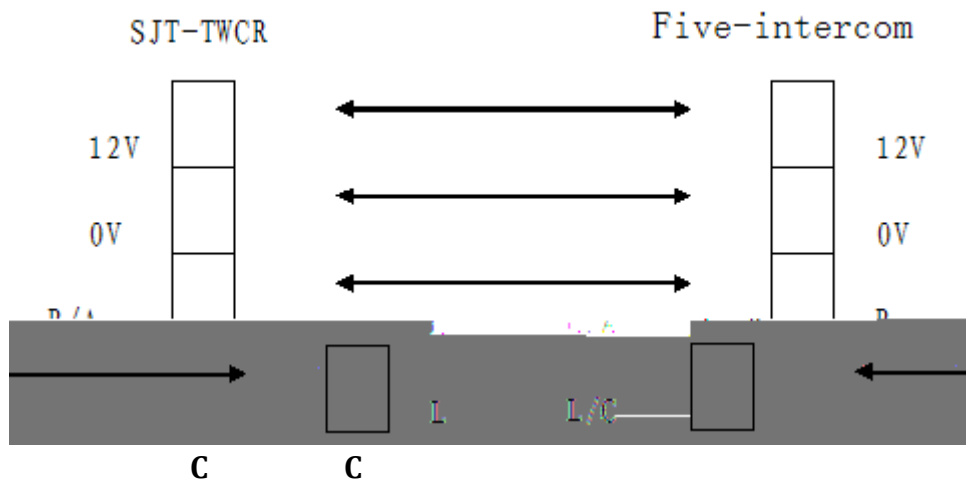


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SJT-TWCR does not come with microphone or speaker, this device must be connected in parallel with elevator five-intercom system wiring and use the microphone and speaker of intercom device (cabin intercom device) to communicate. The system schematic diagram is shown below.



SJT-TWCR has 8 wires out for connecting. 4 wires connect into five-intercom system, and 4 wires connect into compatible control system. The diagram is shown below.

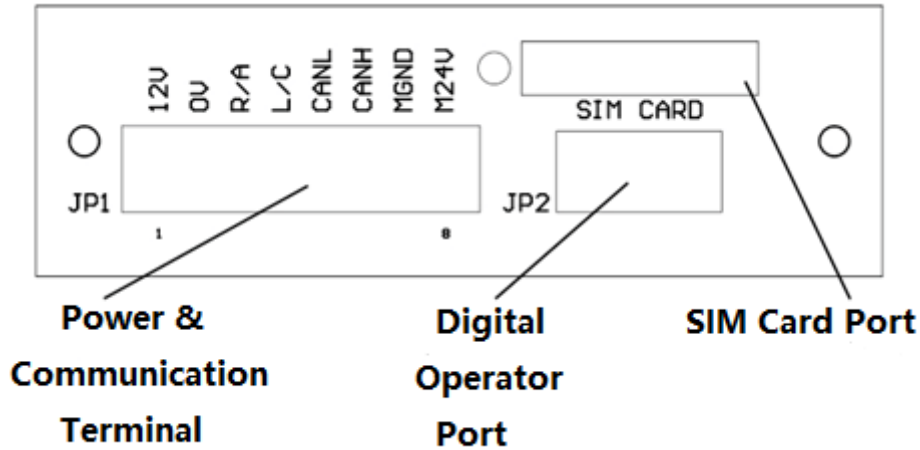
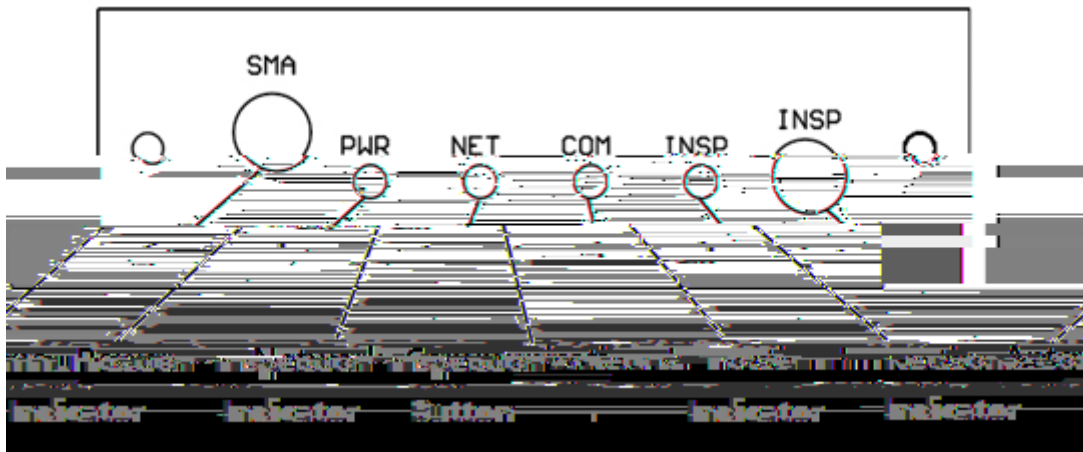


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	JP1-1	+12V	Connect to five-intercom power '+12V'
	JP1-2	0V	Connect to five-intercom ground '0V'

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Picture of SJT-TWCR front and rear panels are shown below

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Power Indicator

The power indicator light will constant ON while working.

Network Indicator, indicates GSM network status

Constant OFF: GSM unit is not working;

Fast Flash 1 (0.1s ON, 0.8s OFF): Searching for GSM network (if device keeps in this state for too long, check the SIM card insertion and signal strength);

Slow Flash (0.1s ON, 3s OFF): Register to GSM network (initializing);

Fast Flash 2 (0.1s ON, 0.3s OFF): Register to GPRS network (normal working status).

Communication Indicator

Flash: SJT-TWCR is remote monitor communicating;

Constant OFF: No communication;

Inspection Indicator (reserved)

Inspection Button (reserved)

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This product features One Key Calling and Rescue, Remote Intercom and other functions, that requires the elevator having five-intercom system (for example model NKT12 series). This product will not interference the use of five-intercom function.

This product does not come with SIM card. User need to prepare it by self. The SIM card (standard SIM card 25×15m)requires supporting voice call and GPRS internet (2G network), it is user's responsibility to maintain the card on service (payment).

If the quality of connection is not desirable, please adjust the volume of MIC and Speaker by using digital operator.

This product transmits and receives radio wave in GSM frequency (800/900/1800/1900Mhz). This product satisfies the current regulations and rules. Moreover, in case of interfering with other electrical devices, it is recommended to use this product according to local advice and restrictions.

When the device loses power supply, it has back up power source that supports device operating shortly. When power indicator completely turns off that means the device is out of work.

When plugging and unplugging the terminal with the power on, the elevator should not be running, or it should be in inspection operation.

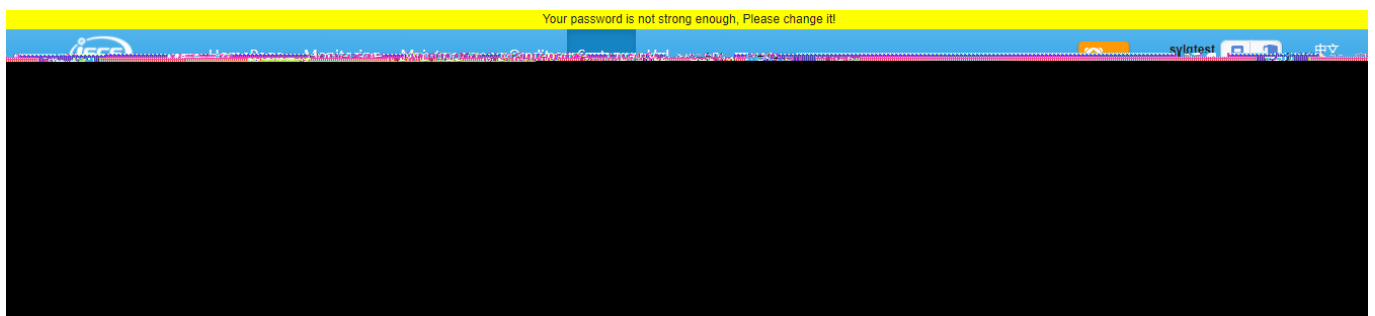
The explanation of this product belongs to our company. If there are any changes, please excuse that we will not inform you otherwise.

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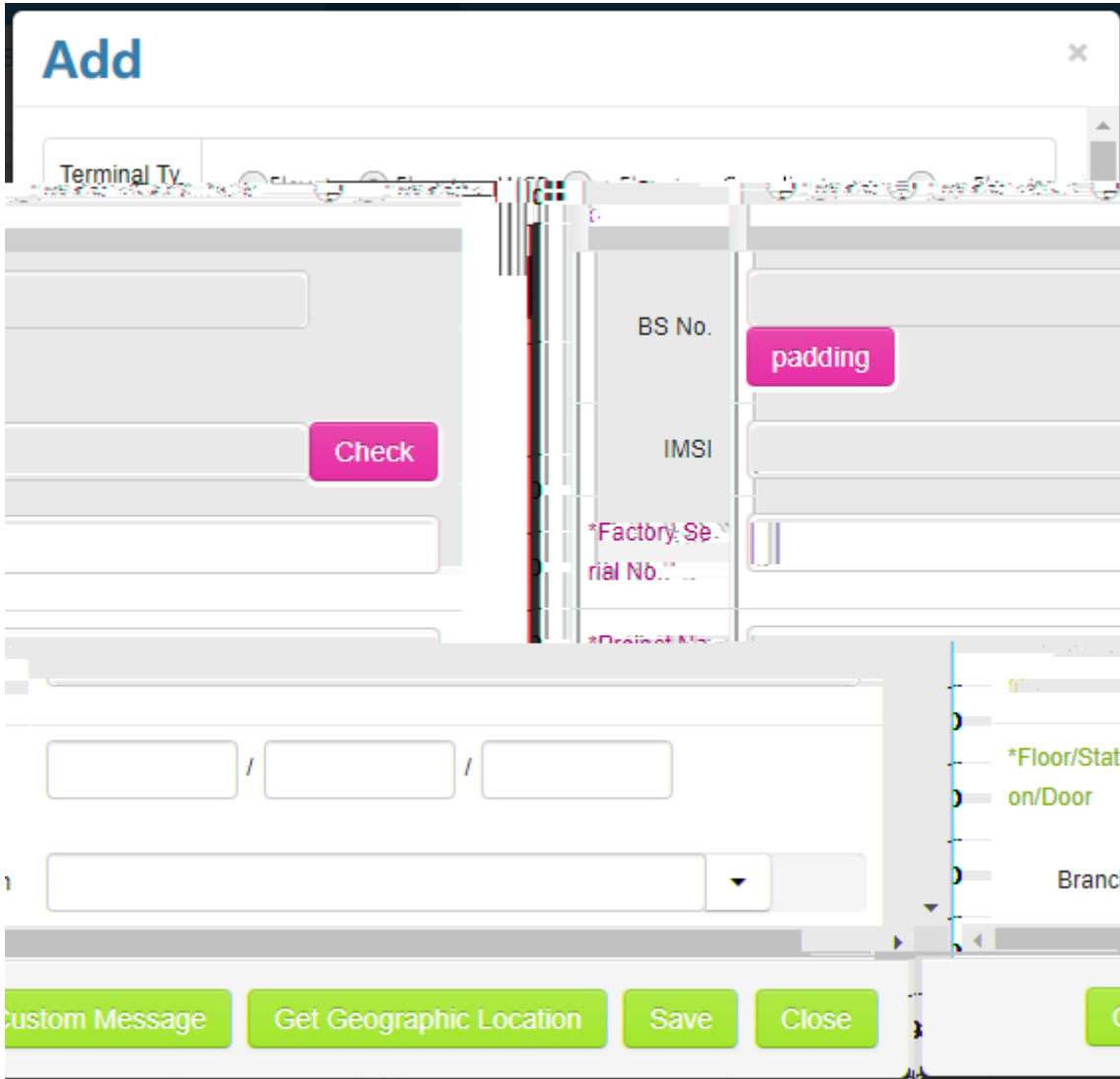
Registration on IECS platform is required for every TWCR device, only after successfully registered, the state of elevator can be monitored on IECS platform. The IECS platform registration process is described as below:

Login IECS platform with account name and password, in page "System"->"Elevator" click "Add", then in the add elevator window, select"elevator +WCR"and fill in the BS number and IMSI number of TWCR in the blank box (refer to 3.3.1 for BS number and IMSI number), then click check. After passing the check, fill in the rest information and click save.



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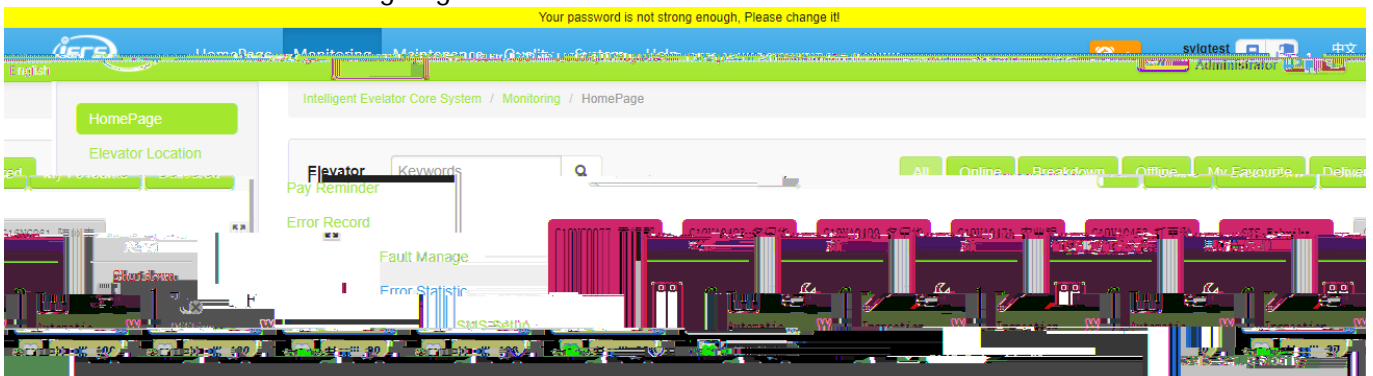
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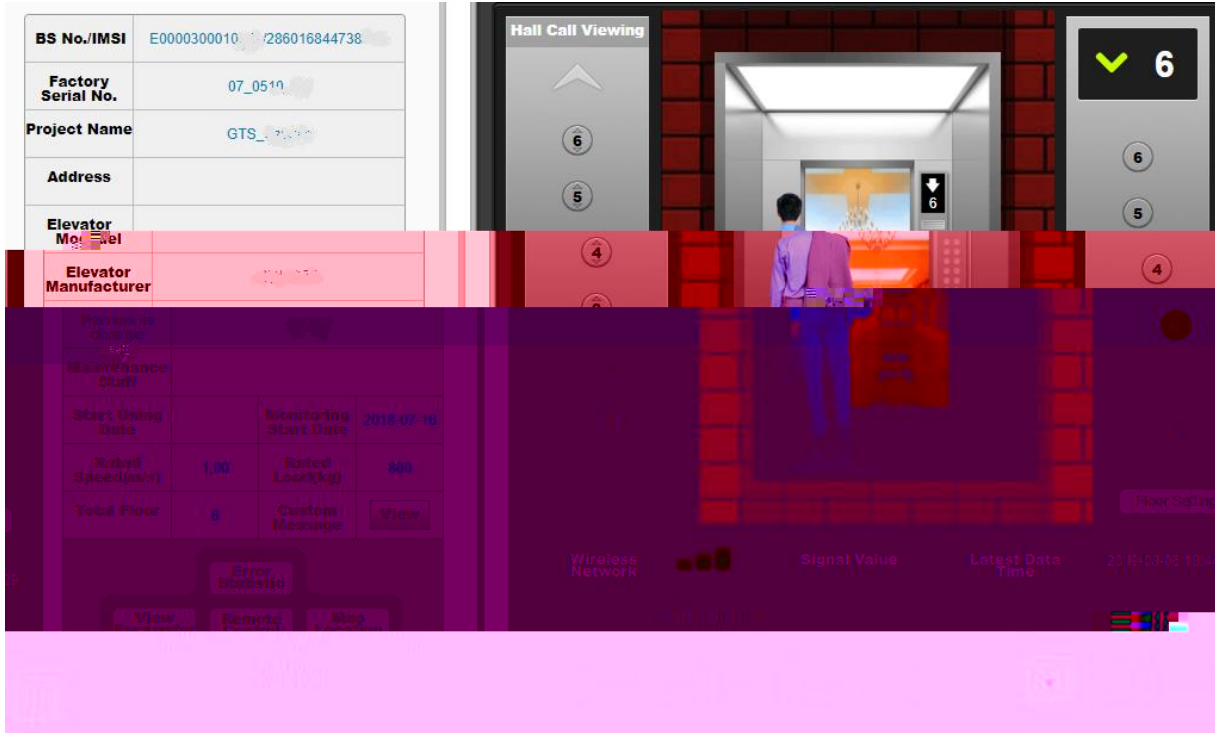
After each TWCR is successfully registered to IECS, the state of elevator can be remote monitored on “Monitoring”->“Home Page” on platform.

IECS Remote Monitoring Page:



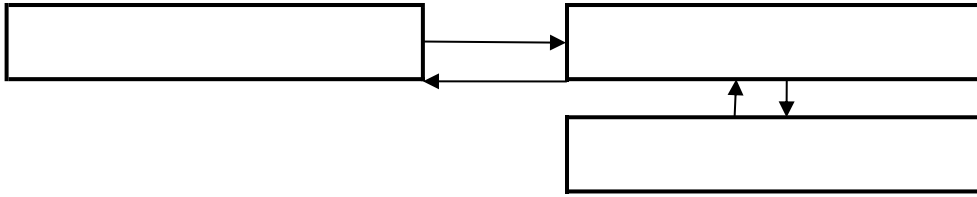
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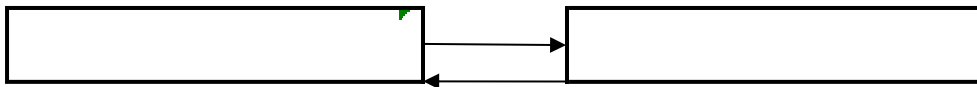


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In monitoring interface, user can watch elevator basic states (Auto, Park, Inspection, Fire, Attendant, Error, Safety Circuit State, Overload, Door Lock Circuit State, Leveling) and elevator car call, hall call floors, current floor. Please refer to IECS instruction for detail.



Enable or disable device connection to the monitoring platform. Save parameter operation in parameter saving menu is required after setting (default Yes).

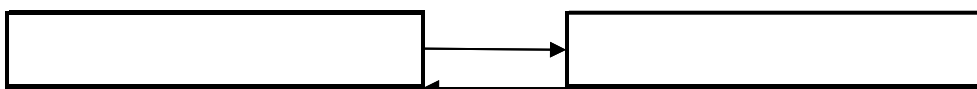


Save current parameters setting in this menu. After press Enter, parameters are written into Flash.

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This page indicates whether device has registered to the platform, if not, SJT-TWCR will register automatically.

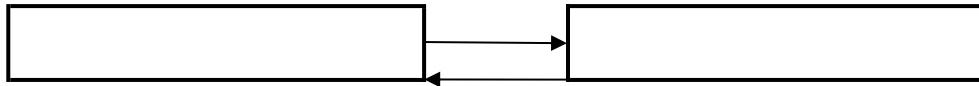


In this page, digital operator can read and copy SJT-TWCR parameters, then apply to other devices. It is convenient to commissioning multiple SJT-TWCR devices and increase the commissioning efficiency.



In this page, digital operator can write parameters into SJT-TWCR. It is convenient to commissioning multiple SJT-TWCR devices and increase the commissioning efficiency.

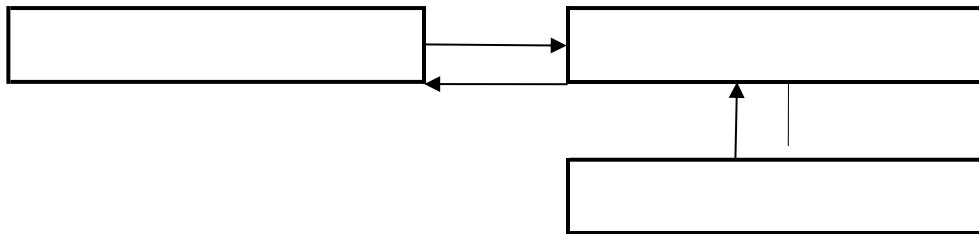
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In this menu, erase internal memory data, reset factory setting. After resetting, SJT-TWCR will register to the platform again.

Note: Every time after changing SIM card, please erase Flash data and wait for platform to issue a new BS number. Then edit the BS number and IMSI number on IECS platform or register again.

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In this page, enable special function by set Yes on respective function and save parameter. The function will be effective after re-start deice.

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Function Code	Function Name	Function Description
Func 000	Voice Prompt Function	After enabled, calling out and hang up will have prompt tone
Func 001	Active Hang Up Function	After enabled, calling out for 3 seconds (default is 3s, can be set), then press calling button again can hang up the call.
Func 002	English Voice Function	Operate with voice prompt function, use English when it is enabled.



In this page, set the calling time when wait for answering, default is 50s. Every call will last for 50s, if no answered in this period, then will call the next number. Save parameter operation in parameter saving menu is required after setting.

E

In this page, set the allowed time to active hang up after calling, default is 3s. When passenger press calling button to make a call, after 3 seconds press calling button again can hang up the call. Save parameter operation in parameter saving menu is required after setting.

Note: This function is not enabled by default, to enable this function, set Func001 to Yes, refer to 3.2.13 for detail.

In this page, set the authorized phone numbers (store in SIM card) of the SJT-TWCR product. Save parameter operation is not required for this setting.

The authorized phone numbers and consist of 11 digits, or with Zone number for example: 02423456789 (024-23456789), 041523456789 (0415-23456789) etc.

Calling Out: phone number 1 has the highest priority, if not answered, then call the rest numbers 2-5 in turns;

Calling In: only the authorized number can call in and answer the call automatically.



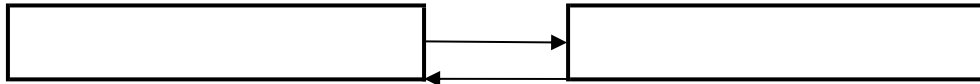
On digital operator main menu, press 'v' to the monitoring page.

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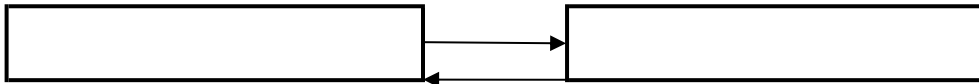
Check platform IMSI number and BS number in this page. These numbers are the unique identification of elevator. When commissioning, write down elevator IMSI number, BS number and elevator location in order to build elevator files on platform.

If the last eight digits of BS serial number are all zeros, which means the system has not released a BS number to the device. In normal condition when device is powered up for more than 2 minutes, it will apply for the number automatically.



Check software version number of SJT-TWCR in this page, for example 605_22.

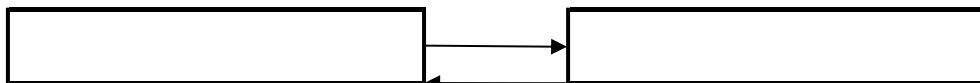
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In this page, check the GPRS communication data of SJT-TWCR and to indicate whether GPRS communication is working properly.

In this page, check the CAN communication data of SJT-TWCR and to indicate whether CAN communication is working properly:

- CAN Rec CNT: 0000 CAN communication timeout count.
- CAN Bag: CAN communication state, flash when it is normal.



Check GPRS data usage of SJT-TWCR here. It clears to zero when erase the Flash.

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