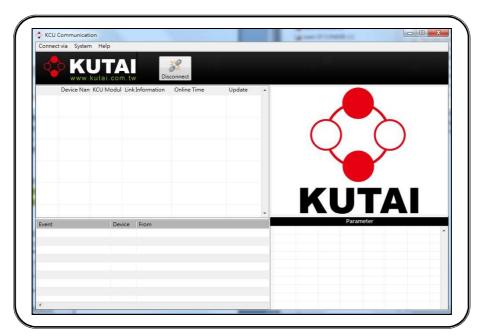
KCU Communication

PC Software Installation and User's Guide For KCU-30 / KCU-40 / KCU-50 modules



System requirement: Windows XP or above





TABLE OF CONTENTS

SECTION 1: SOFTWARE INSTALLATION INSTRUCTIONS	3
SECTION 2: KUTAI SOFTWARE ACCOUNT REGISTRATION	7
SECTION 3: GETTING STARTED	8
3.1 Quick Check	8
3.1.1 Main Window Overview	9
3.1.2 Main Menu	
3.2 Connection Address Book	10
3.2.1 Adding New Connections	
3.2.2 Editing Connections	
3.2.3 Removing Connections	12
SECTION 4: USING AND CONFIGURING	13
4.1 Items and Function Icons in Main Window	13
4.2 Connecting to a Controller	
4.3 Disconnect a Controller	
4.4 KCU Module Configuration	
4.4.1 Change Connection Password	
4.4.2 Connection Password Privileges	
4.5 Configuration Parameter	
4.6 ATS-22A Operation Panel	
4.7 ATS-33 Operation Panel	
4.8 ATS-34 Operation Panel	20
4.9 ATS-PLC Operation Panel	21
4.9.1 OFF Mode	21
4.9.2 AUTO Mode	21
4.9.3 MANU Mode	22
4.9.4 TEST Mode	23
4.9.5 PROG Mode	23
4.9.6 EVENT LOG	24
4.9.7 Passcode Protection of System Parameter	24
4.10 GCU-100 Operation Panel	
4.11 GCU-3000 Operation Panel	
4.12 AMF-10 Operation Panel	28

SECTION 1 : Software Installation Instructions

To download the software, follow these steps:

1. Go to Download Page: http://www.kutai.com.tw/en/download.html

Click on the download link named: **KCU Communication Software** (ZIP file)

Or go to Remote Monitoring, Control page for KCU-30/40/50' Download Tab Page

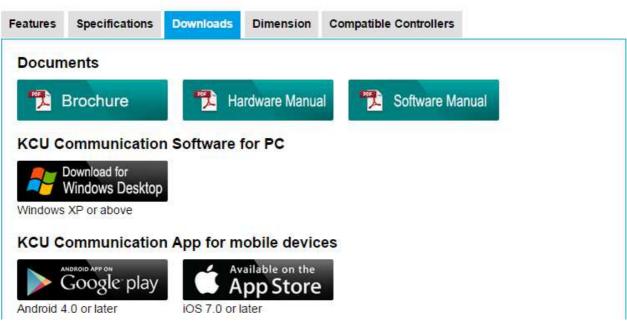


- 2. Your browser will begin to download the ZIP file
- 3. When the file is done downloading, unzip it and double-click on the "**setup.exe**" to run the installer.

Note: If you have previous version of "KCU Communication" software installed, please remove it before installing the new version.

Home > Remote Monitoring, Control and Annunciator System > Remote Communication Modules > KCU-30



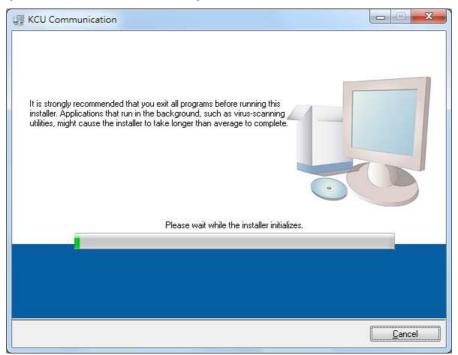


How to uninstall previous version?

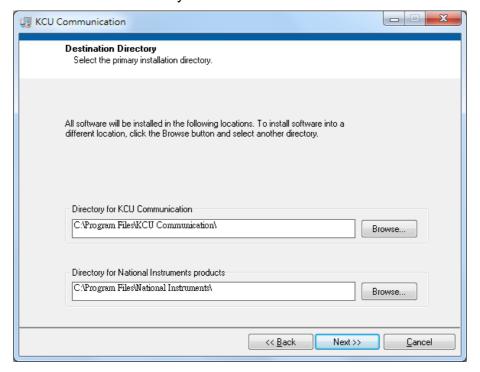
- 1. Click the **Start** button and then click **Control Panel**.
- 2. Click **Programs**, and then click **Programs and Features**.
- 3. Double-click the program "KCU Communication" to uninstall.

To install the software, follow the steps below:

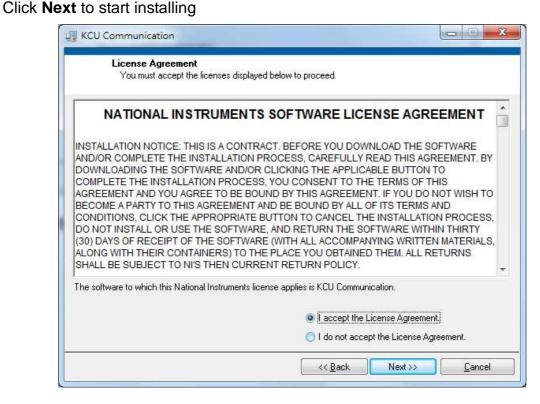
1. After you double-click the "**setup.exe**", wait for the installer to initiate.



Choose the location where you want to install. Click Next

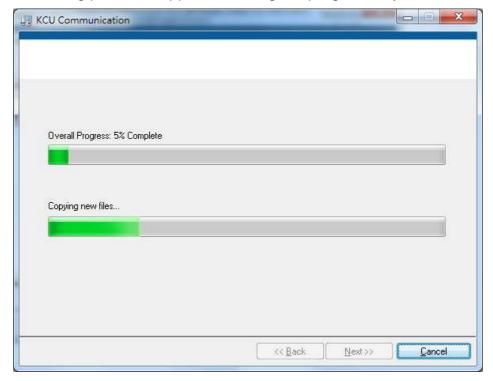


3. Read the license agreement and select "I accept the agreement".

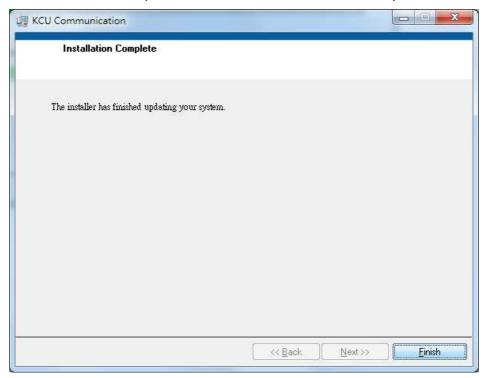


Note: If you select "I do not accept the License Agreement", you will not be able to continue with the installation.

4. The Installing panel will appear, showing the progress of your installation.



5. The installation is completed. Click **Finish** to exit the setup.



6. Click **Restart** to complete the setup process.



SECTION 2 : KUTAI Software Account Registration

The server connection service is required for using **KCU-30**, **KCU-40**, and **KCU-50** modules with KCU Communication Software (PC or iOS and Android App), To use the server connection service you will need a valid email address to register for a software account and create a password.

Note: Communication modules model KCU-01, KCU-02, and KCU-03 does not require server connection service to operate.

How to register for a software account?

Go to KUTAI official website;

Find the main page for Remote Monitoring, Control and Annunciator System

Click this button



Or copy and paste below URL to your web browser.

URL: http://kcu.kutai.com.tw:8080/KutaiWebMonitorSystem/register/StepOne

After register, you'll receive an email titled "Kutai Electronics Software Account Verification" which has a verification link.

Click the link to verify your account.

Click here to verify your account +

Note: The verification link is only valid for 24 hours. If you didn't click the verification link within 24 hours of registration, you'll have to re-register.

Example of verification email

account:test@kutai.com.tw+ password:654512+ Unce you verify, you will be able to use our remote communication software and app with the account and password you created. Please note that the activation link is only valid for 24 hours. If you didn't click this link within 24 hours, the registration will be deleted and you'll need to sign up again. Click here to sign up again. This is an automatically generated email, please do not reply. For question or concerns regarding your account, please contact us at kutai2010@kutai.com.tw Thank you for choosing KUTAI products! The KUTAI Team The KUTAI Team-

SECTION 3: Getting Started

3.1 Quick Check

Quick check before using software

- Check if the "Remote control by KCU-XX module" function in controller is enabled. (Refer to the Line By Line Programming Table in controller's user manual.)
 If this function is disabled, the software can only monitor the controller but incapable to control it remotely.
- When you use the software for the first time, you will need to login with your registered software account and password. (See Figure 3-1)



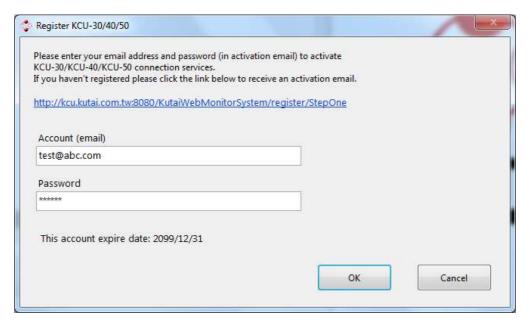


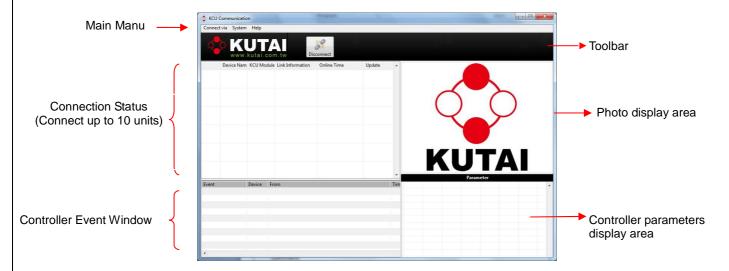


Figure 3-1 Software Account Login

Note: KCU-30, KCU-40, and KCU-50 modules can all be connected to the software at the same time. (Up to 10 units)

If you wish to connect more than 10 units of controller simultaneously, please contact KUTAI.

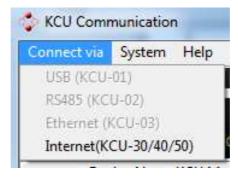
3.1.1 Main Window Overview



3.1.2 Main Menu

Most commands and features of KCU Communication can be accessed through the main menu. By clicking an item from the menu, you can perform the corresponding command.

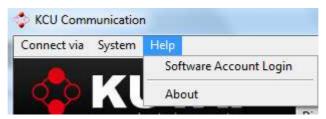
■ Connect Via: Shows available KCU module connection methods.



System : Shows system commands and features.



■ **Help**: Access to login information and software version.



3.2 Connection Address Book

You can use Connection Address Book (Figure 3-3.1) to quickly connect to a controller. Click **System** in the main menu and click **Address Book**.

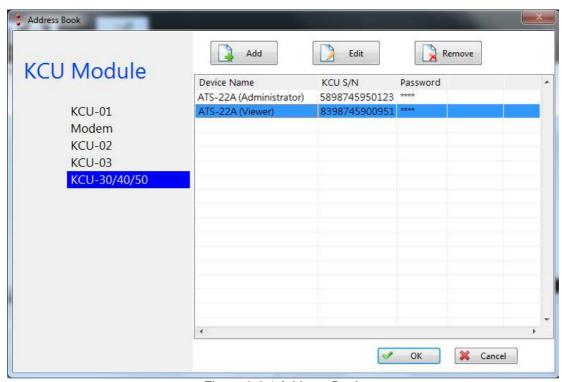


Figure 3-3.1 Address Book

3.2.1 Adding New Connections

Click to edit the connection detail then click to save it.

- Name: You can creat a custom name for the controller. For example, *ATS-22A at Building F*
- **KCU Serial Number**: The serial number (mark on module) of KCU module that installed on the controller.
- Password: You can connect the controller as an Administrator or a Viewer.

Factory Setting Connection Passwords (4-digit):

Administrator (0000), Viewer (9999)

Attention: We strongly recommend that you change the connection passwords right after the first successful connection. (See Section 4.4)

Security Notice and Liability Disclaimer

You are responsible for keeping your connection passwords (Administrator/Viewer) safe and confidential because they are the key to access your equipments.

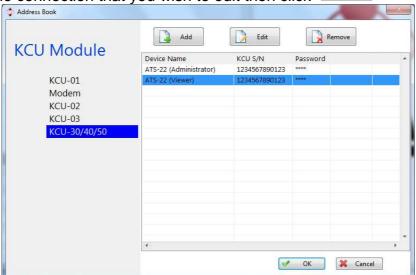
There will be potentially serious security issues if your passwords are compromised. Some of the risks of compromised security include the equipment being remotely controlled by third parties, who may have criminal intent and malicious damage to your equipments.

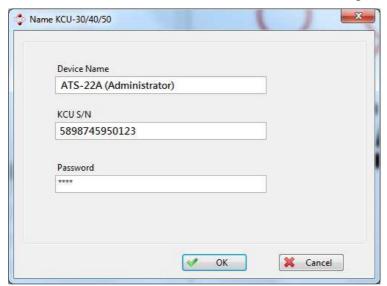
We are entitled to rely on any use of our connection services using that password as being use by you and authorized by you. If you know or believe that there is any unauthorized, fraudulent or unlawful use of your password, **you must reset it in the controller.** (Refer to controllers user manual for connection password reset)

3.2.2 Editing Connections

To edit an existing connection:

1. Click the connection that you wish to edit then click $oxedsymbol{oxedsymbol{eta}}$

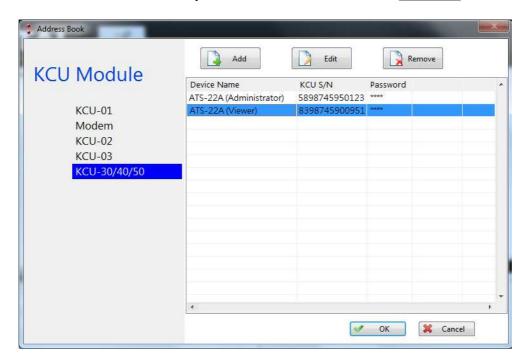




3.2.3 Removing Connections

To remove a connection:

1. Click the connection that you wish to delete and click Remove



2. A confirm dialogue will popup. Click to remove the connection.



SECTION 4: Using and Configuring

4.1 Items and Function Icons in Main Window

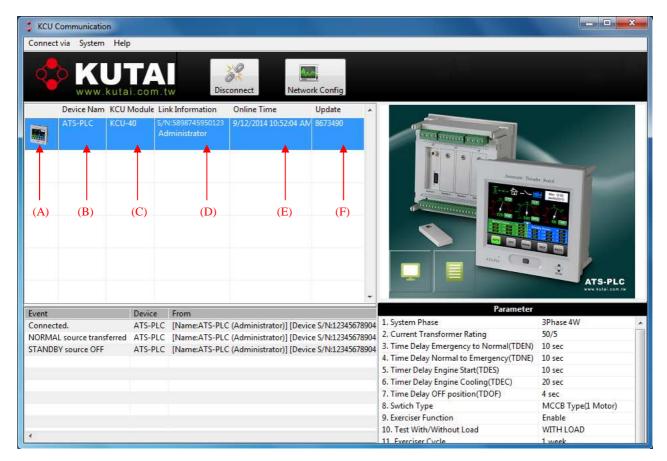


Figure 4-1 Main Window

	Item	Description
Α	Photo	Photo of the connected controller.
В	Device Name	The custom name of the controller
С	KCU Module	The KCU module that used to connect the controller
D	Connection Information	Shows KCU module serial number (S/N) and connection type (Administrator or Viewer)
Ε	Online Time	Connection date and time
F	Update	Connection data stream code

Icon	Description	Icon	Description
(0.20)	Disconnect Disconnect a controller	i i	Operation Panel. To monitor and control a controller
	Network Configuration Change connection passwords		Configuration Parameter. Change controller settings

13

4.2 Connecting to a Controller

Click "Connect via" and select "Internet (KCU-30/40/50)" to enter the connection list.



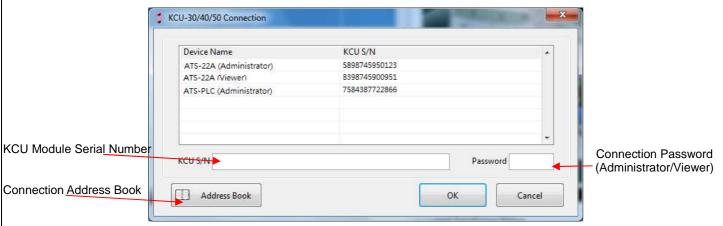


Figure 4-2 Connection List

The connection list shows all the connections that saved in the Address Book. You can either select a connection in the list or type in the KCU Module serial number and the password. Then click to connect the controller.

Note: If you type in the serial number and password in the connection list, it won't be saved in the Address Book. It's recommended to add the connection in the Address Book for guick access in the future.

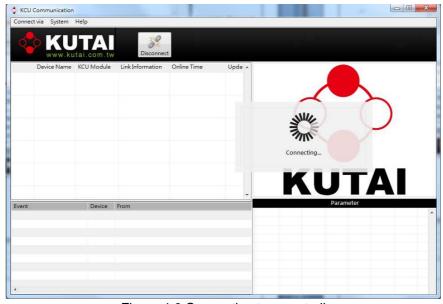


Figure 4-3 Connecting to a controller

4.3 Disconnect a Controller

To disconnect from a controller:

- 1. Select a controller that you wish to disconnect
- 2. Click Disconnect icon.

4.4 KCU Module Configuration

You can:

- Edit connection passwords.
- Check MAC Address of the KCU module
- Check the maximum number of connections

Note: If you connect a controller as an Viewer, KCU Config funciton is diabled. Network Config



4.4.1 Change Connection Password

If you connect a controller as an **Administrator**, you are allowed to change connection passwords.

- 1. After you connect a controller successfully, click Network Configuration. (See Figure 4-4)
- 2. Change the password and click ok to save the new password. The controller will disconnect automatically after you click You'll need to connect again with the new password.

If you do not wish to change password, click (Cancel) to exit.

The controller will stay connected.

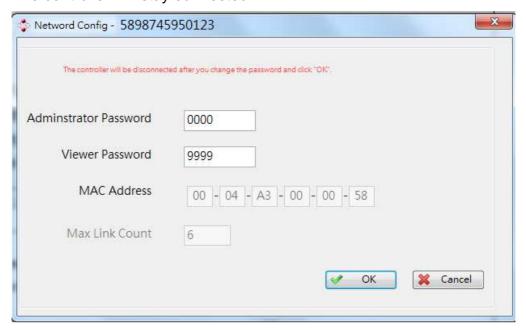


Figure 4-4 KCU Module Configuration

4.4.2 Connection Password Privileges

Connection Type	Privileges
Administrator	Monitor and control remotely. Change connection passwords Configure Settings Edit Address Book
Viewer	Monitor only, unable to control remotely

^{*}KCU-40 WI-FI module can only monitor, unable to control remotely.

Note: If you forgot the current Administrator password, you will need to perform a password reset on the controller. Refer to the Line By Line Programming Table in controller's user manual for **KCU Remote Connection Passwords Recovery**.

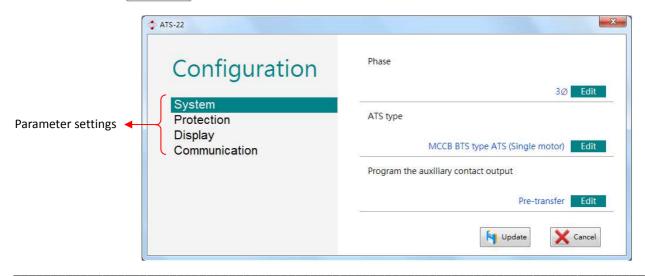
4.5 Configuration Parameter

All the controllers configuration must be done in **OFF mode**. If you are not in OFF mode, the Edit button will not display.

How to access controller settings?

- 1. Click in Main Window to access operation panel.
- 2. Click **OFF** button to switch the controller to OFF mode.
- 3. Click Setting at the upper left corner in operation panel
- 4. Click Edit to change the setting. (See Figure 4-5 and 4-6)
- 5. After you finish all the editing, click | I Update | to save the changes and exit.

Or Click X Cancel to exit without saving any changes.



Types of parameter Settings

■ Drop-Down List

Click to select an item in the drop-down list

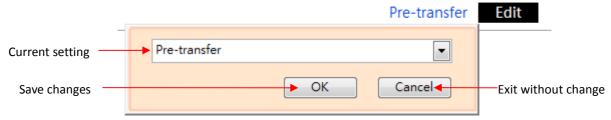


Figure 4-5 Drop-Down List

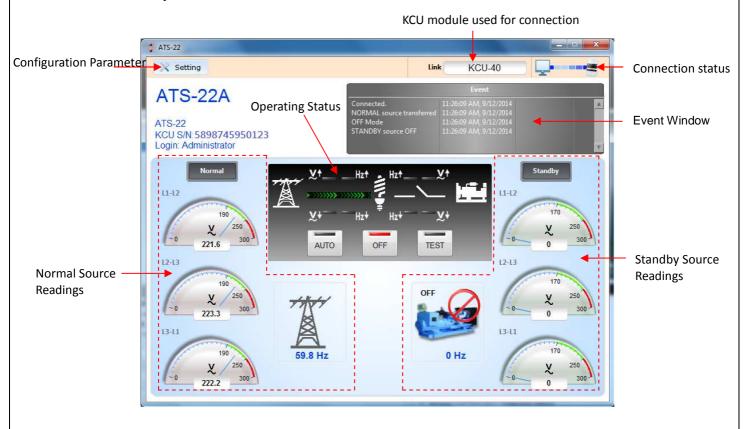
■ Slider bar

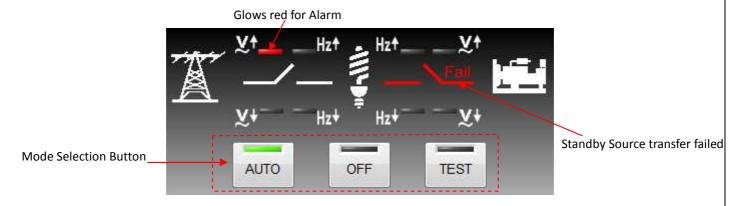
Drag slider button to change values. Or type in a value in the input box directly.



Figure 4-6 Slider bar

4.6 ATS-22A Operation Panel





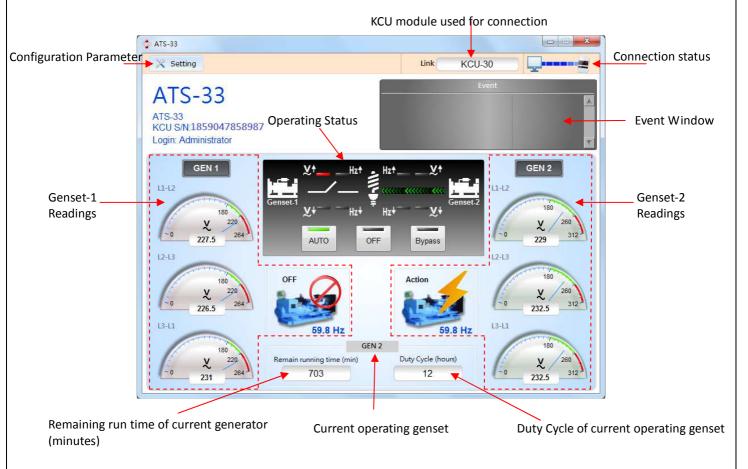
Operating Mode Selection Buttons

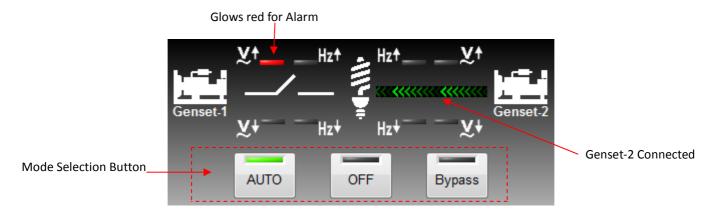


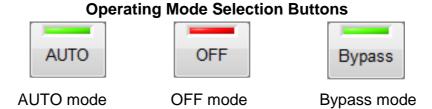
Note: For the detail settings of the controller, please refer to ATS-22A user manual.

18

4.7 ATS-33 Operation Panel

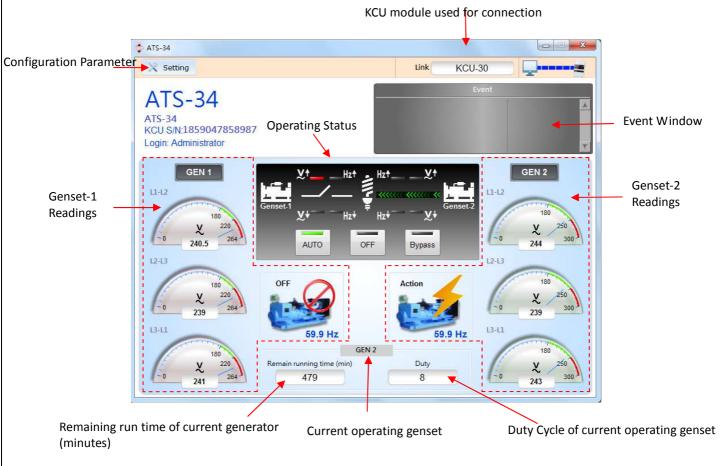


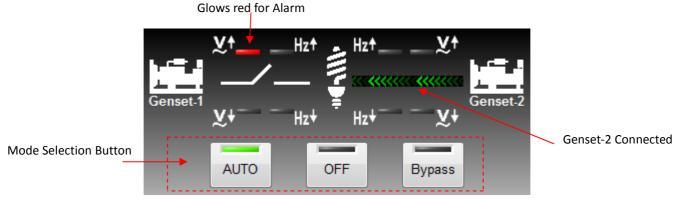




Note: For the detail settings of the controller, please refer to ATS-33 user manual.

4.8 ATS-34 Operation Panel



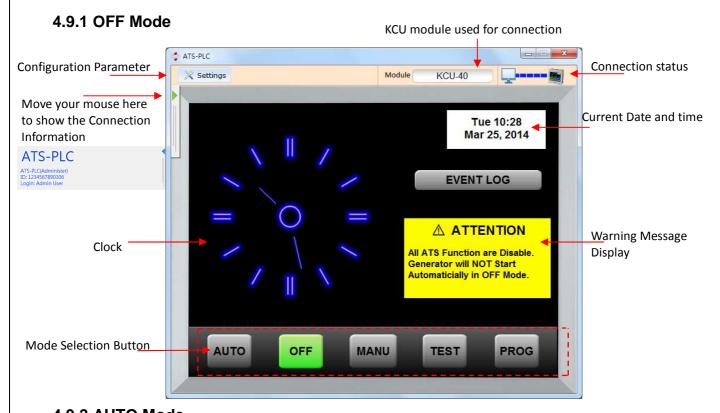


Operating Mode Selection Buttons OFF Bypass AUTO mode OFF mode Bypass mode

Note: For the detail settings of the controller, please refer to ATS-34 user manual.

4.9 ATS-PLC Operation Panel

ATS-PLC software interface is synchronized with the actual ATS-PLC controller. Therefore the operation on communication software or directly on ATS-PLC is almost the same except for some parameter settings.





How to change the settings in Gauge display.

L12 L23

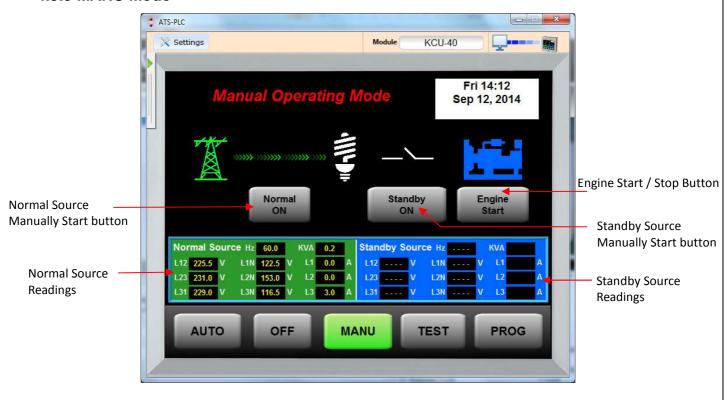
L31

Normal source value in green box Standby source value in blue box Click to change between different phases. 200 (Remark) 150 Normal range area (Green) Caution range area (Red) 100 300 Click to change the display sequence Volt → Current → Frequency-Remark 3 Phase 4 Wire 3 Phase 3 Wire 電流

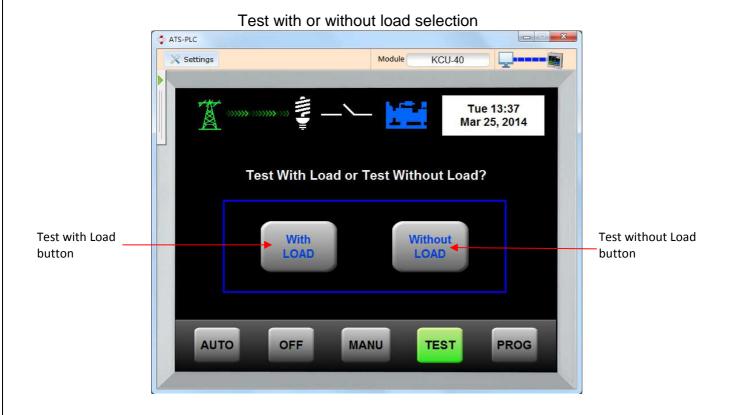
L23

L1N L2N L3N

4.9.3 MANU Mode

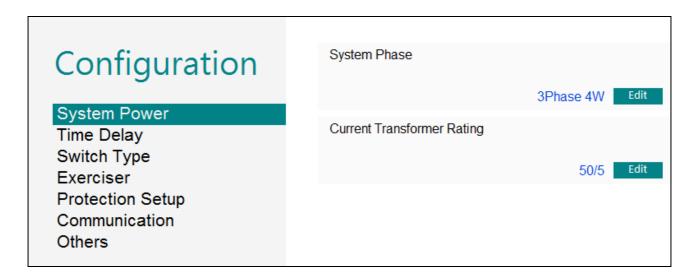


4.9.4 TEST Mode



4.9.5 PROG Mode

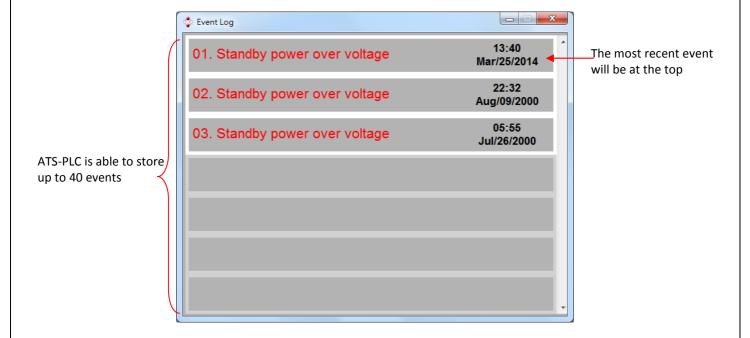
To configure the system parameter, you must switch to **OFF Mode** before entering Program Mode (**PROG**). Fail to do so the able to change the settings.



23

4.9.6 EVENT LOG

When you click **EVENT LOG** button in OFF mode, it'll popup a history of events



4.9.7 Passcode Protection of System Parameter

Switch to OFF Mode and then click butoon to enter Program Mode.

ATS-PLC provides the passcode protection to prevent unauthorized people to change system parameters. It will not affect the operation of the controller.

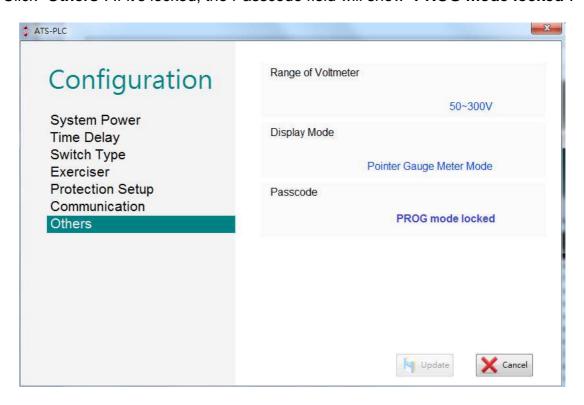
If you enable the passcode protection function, you're required to enter the passcode every time you wish to enter Program Mode to system parameters.

ATTENTION!

If you enter incorrect passcode 3 times, the Program Mode will be locked and you'll have to contact KUTAI for an unloack code.

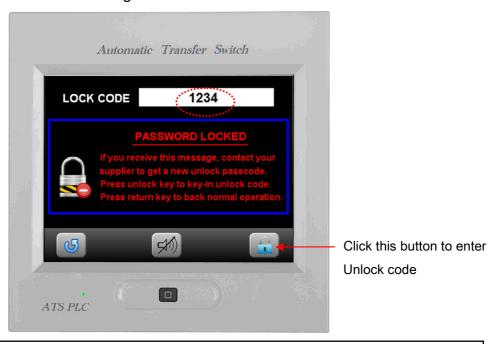
How do I know the PROG Mode is already locked?

- 1. Click Setting in ATS-PLC Operation Panel or click to enter Program Mode.
- 2. Click "Others". If it's locked, the Passcode field will show "PROG mode locked".



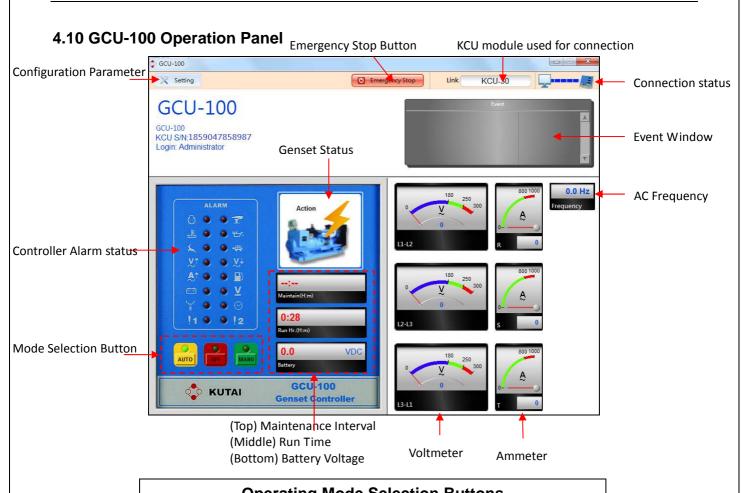
How to unlock PROG mode?

When the PROG mode is locked, it'll display an error message with a 4-digit Lock Code. Contact KUTAI about this lock code to get an unlock code.



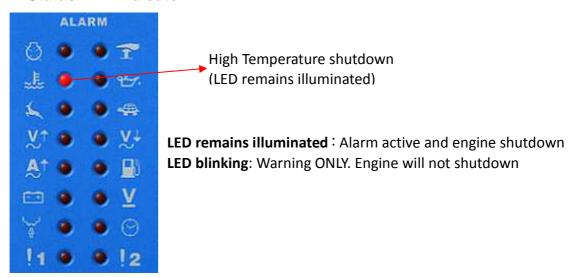
Note: For the detail settings of the controller, please refer to ATS-PLC user manual.

KCU Modules Software User Guide



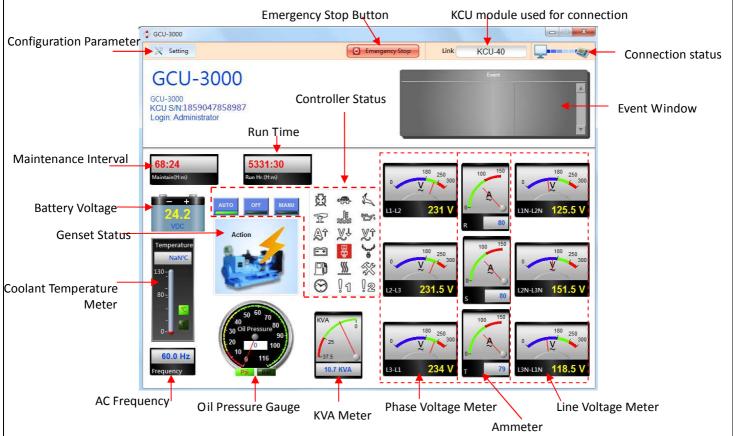


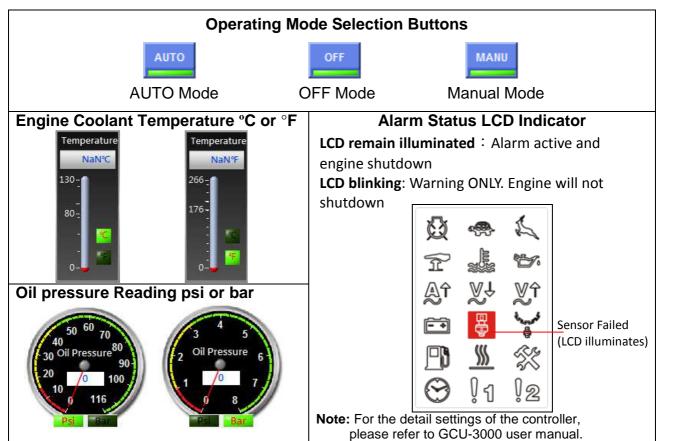
Alarm Status LED Indicator:



Note: For the detail settings of the controller, please refer to GCU-100 user manual.

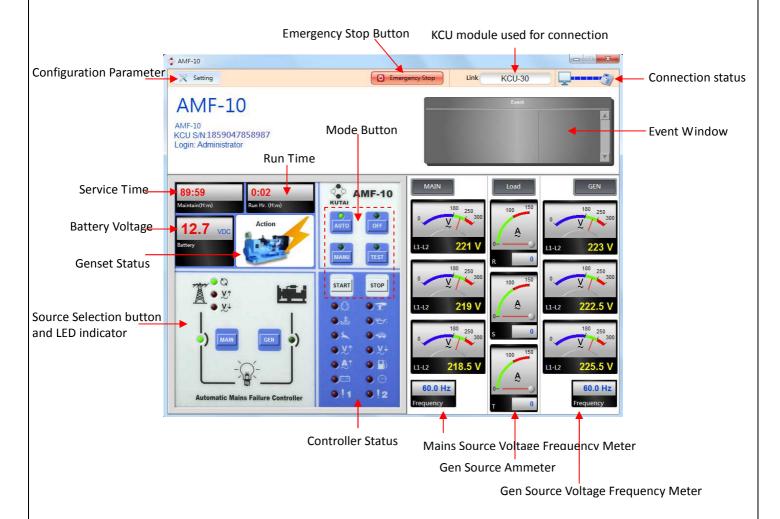
4.11 GCU-3000 Operation Panel

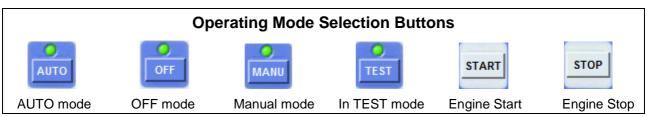




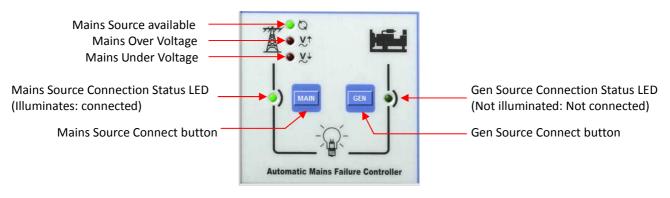
27

4.12 AMF-10 Operation Panel

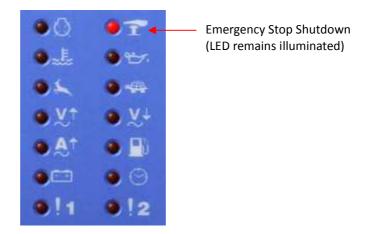




Connection Buttons and Status LEDs



Controller Status LEDs



LED remains illuminated: Alarm active and engine shutdown

LED blinking: Warning ONLY. Engine will not shutdown

Note: For the detail settings of the controller, please refer to AMF-10 user manual.