KCU-01

USB Module

固也泰電子工業有限公司
KUTAI ELECTRONICS INDUSTRY CO., LTD.

ISO 9001
BSMI

SECTION 1 : INTRODUCTION

The KCU-01 is the USB module that is designed to enable the Kutai Electronics genset controllers (AMF-10, GCU-100, GCU-3000) to be operated and monitored remotely.

Via the designated operation software (Please reference from KCU-01 software user manual) user can program and change parameters remotely instead of accessing program through the controller in person.

In the remote operation, when Connecting KCU-01 via two-wire telephone line, an additional USB modem is required to connect to the KCU-01 USB port. The remote operating PC will also need to be equipped with modem / USB modem

MAIN CHARACTERISTICS :

● The KCU-01 software interface is user friendly which makes it easy for user to monitor and change program setting remotely.

● When operating on site (Local operation mode), user can connect the KCU-01 USB port to the PC via USB harness or connect to an USB modem for remote operation

● When operating KCU-01 in remote operation mode, if no data is transmitted within 40 seconds after connection then the module will automatically disconnect.

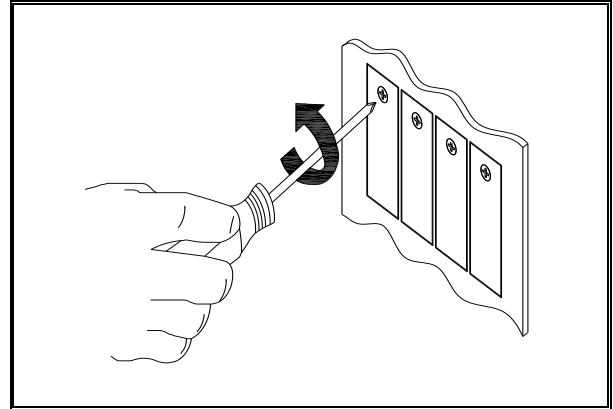● Supports Logo Image downloads for ATS-PLC when installed the "Image Transfer" software.
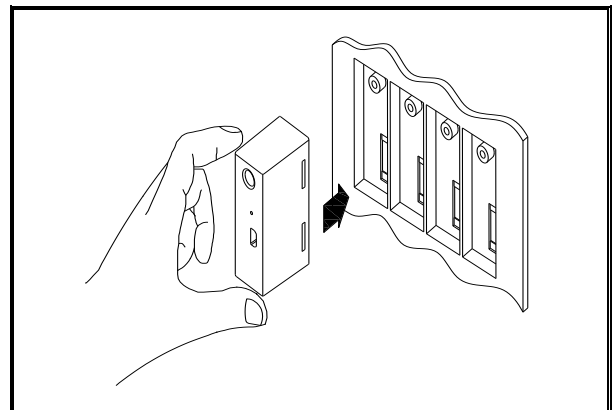
SECTION 2 : DIMENSION
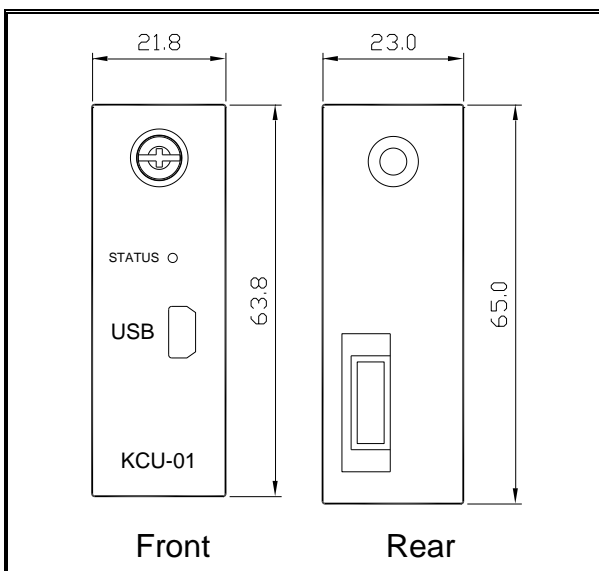
SECTION 3 : INSTALLATION

Disconnect controller power source and follow the below illustrations to complete the installation of KCU-01.
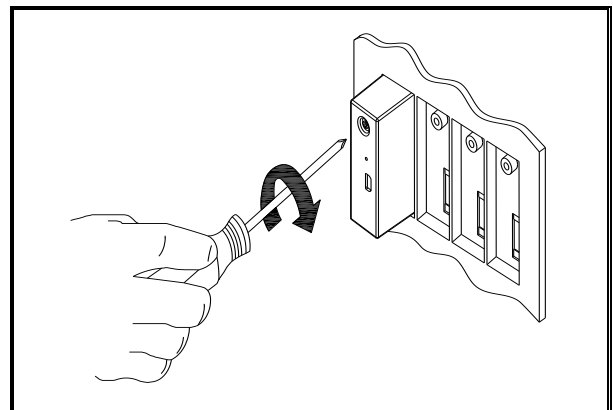
Step 1：Remove slot cover from the back of controller.

Step 2：Insert KCU-01 into the designated slot.

Step 3：Tighten the screw.

Step 4：Start up the controller and operate through the controller front panel and enter system setting to program corresponding startup settings (Remote operation activation).

The KCU-01 currently supports AMF-10, GCU-100, GCU-3000, ATS-22, ATS-33, ATS-34 and ATS-PLC etc. controllers. The followings are the basic description of operation settings. For more detail information, please reference from the controller's operation manual.

AMF-10 & GCU-100	
ITEM	DESCRIPTION
54	Allows remote operation

GCU-3000	
ITEM	DESCRIPTION
69	Allows remote operation

ATS-22	
ITEM	DESCRIPTION
33	Allows remote operation

ATS-33	
ITEM	DESCRIPTION
24	Allows remote operation

ATS-34	
ITEM	DESCRIPTION
22	Allows remote operation

| ATS-PLC	
ITEM	DESCRIPTION
Communication Setting	ON / OFF ATS-PLC Communication Interface

Remark：If remote access is programmed to "Remote access cancelled" or "turn OFFATS-PLC communication interface", user can only execute monitoring and changing system parameter and unable to execute controller command.
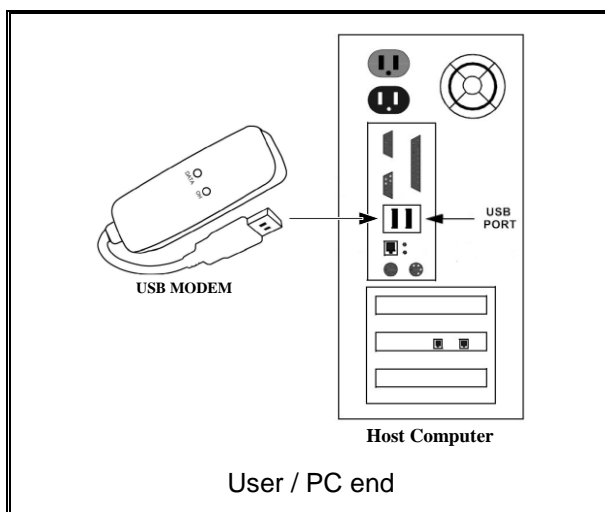
SECTION 4 : OPERATION

For more information on KCU-01 Data link status LED indicator, please reference from chapter 5.
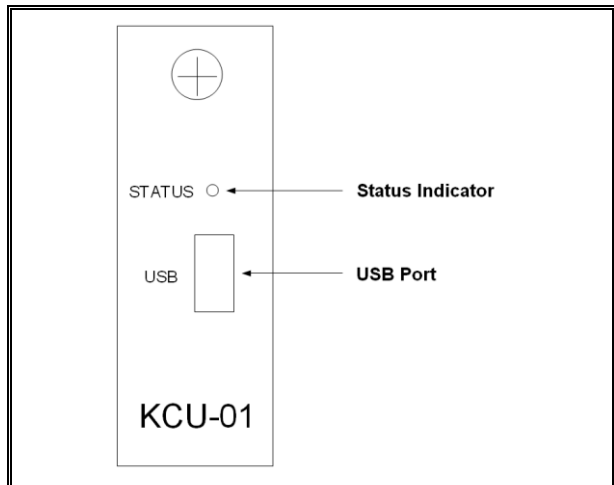
Example 01：On site / Local operation mode.
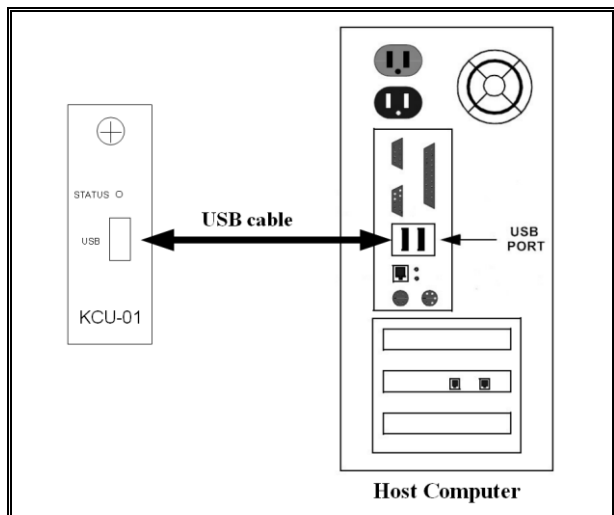
Controller end

Example 02：Remote Operation mode.

User / PC end

SECTION 5 : STATUS INDICATOR & TROUBLESHOOTINGS

5.1 Through the KCU-01 LED status indicator user can understand the current operating status

STATUS	DESCRIPTION
Flash	KCU-01 communicating with Controller
On	KCU-01 communicating with PC (Or USB modem)
Flash	KCU-01 abnormal status

5.2 Trouble shootings

STATUS	CAUSE OF FAILURE	TROUBLESHOOTING
Flash	KCU-01 Memory crashed	Replace KCU-01 or contact the nearest dealer
LED Indicator No transition	KCU-01 Do not operate	1. Controller is under AUTO mode: Check the status of controller and if the controller is providing a failure signal, please proceed to eliminate the cause of failure and reconnect KCU-01. If the problem persists please change KCU-01 or contact the nearest dealer. 2. Controller is not under AUTO mode: Check the status of controller and if the controller is providing a failure signal, please proceed to eliminate the cause of failure and reconnect KCU-01. If the controller is operating normally, then please switch the controller to OFF mode and disconnect power for a few seconds then reconnect. If the problem still persists please change KCU-01 or contact the nearest dealer. 3. If the Controller is crashed: Firstly, disconnect power then remove all external module(s). Reconnect controller power and after eliminate the failure disconnect controller power again and connect KCU-01 to the controller and connect to power. If the problem still persists please change KCU-01 or contact the nearest dealer.