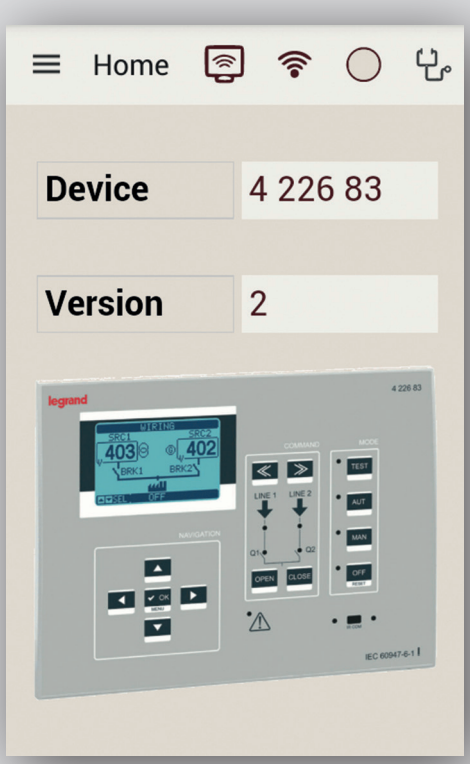
Automatic Control Unit Configurator

User Manual



Part. LE09511AA-06/16-01 GF

Automatic Control Unit Configurator

Contents

1. Software requirements

1.1 Operating system Requirements

ANDROID REQUIREMENTS

• Minimum version: 2.3

iOS REQUIREMENTS

• Minimum version: 6

2. Installation

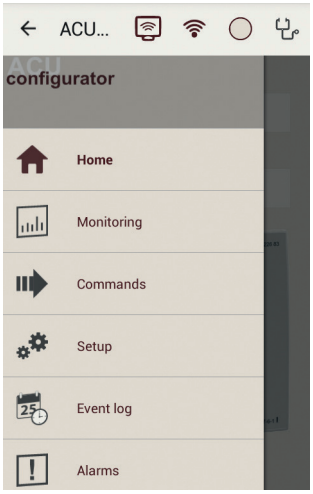
Automatic Control Unit Configurator Mobile App can be downloaded from Google Play and from iStore for free.
To install it on your smartphone or tablet, just click on "Install" button.

3. Basic operating concepts

At startup, the app will show a screen split into 3 areas:

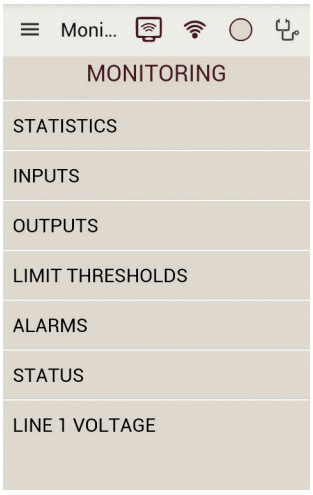
1. Menus: it includes the bars used for accessing all the ACU Configurator functions and the actual page shown.
2. Connection status: it displays the status of data transmission/reception with WiFi dongle (online, offline, error).
3. Connected device: if a device is connected to app via WiFi, it is shown on main page.

3.1 Menus

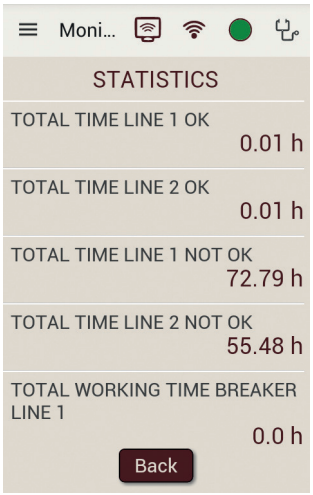


- Home
  To go to ACU Configurator home page.
- Monitoring
  When device is connected, it is possible to view main measures collected by it. Only one device per time could be connected to smartphone/tablet via WiFi dongle.
- Parameters
  To setup parameters of electronic device. When device is connected, its parameters could be uploaded into ACU Configurator.
- Commands
  To send commands to device.
- Event log
  It is possible to download a copy of that and proceed to export it to file.
- Alarms
  To see alarms collected by connected device.

3.1.1 Monitoring



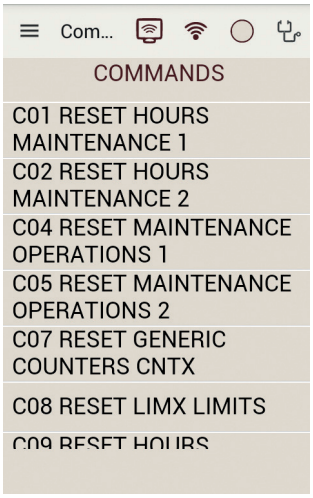
When device is connected, it is possible to view main measures collected. Several parameters are available (they can be chose from the list on page). Here below, for example, Statistics collected by device:



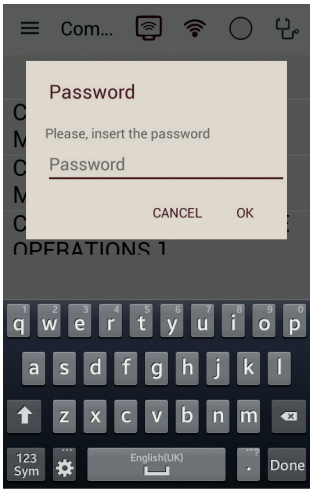
3. Basic operating concepts

3.1.2 Commands

With this function, it is possible to send different commands to device from ACU Configurator, after connecting the device.

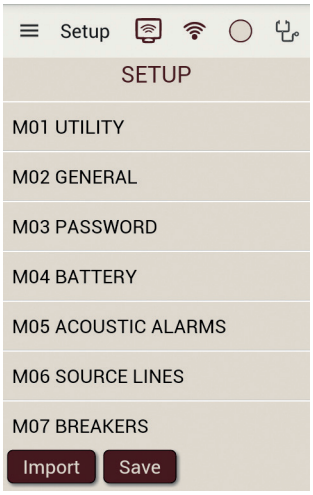


If required by device settings, before to send command, it could be necessary to insert a password on App:

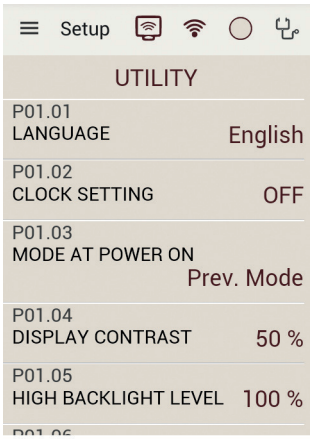


3.1.3 Setup

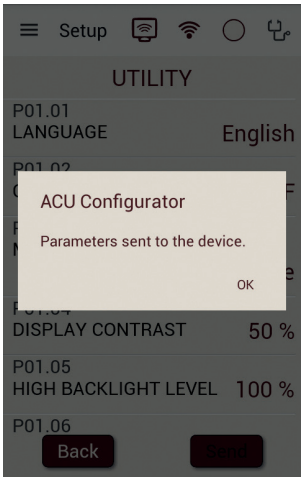
Parameter setup for devices can be managed by ACU Configurator. Once the device has been connected, its parameters are read and given to the user for modifications.



Here below, for example, Utility menu of the device:



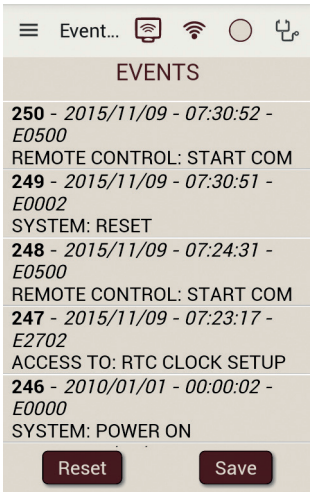
After parameters setting, a confirmation popup will appear:



3. Basic operating concepts

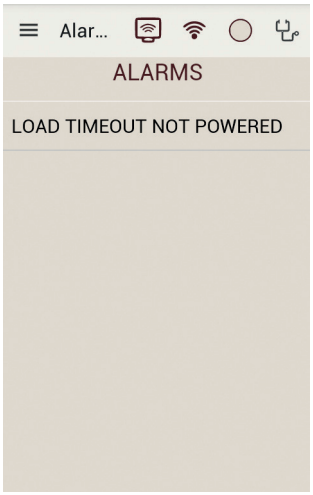
3.1.4 Event log

With this function, it is possible to read events stored on device (where available) from ACU Configurator, after connecting the device.



3.1.5 Alarms

With this function, it is possible to read alarms occurred on device (where available) from ACU Configurator, after connecting the device.



4. WiFi dongle

To access device management with PC, smartphone and tablet, a WiFi dongle (Legrand catalogue reference 4 226 88) is available:

- The WiFi dongle open to installers and maintainers the ability to work free from the problems caused by cables and with a very high level of speed, safety and comfort.
- It enables the connection between a Tablet, Smartphone or PC and devices with frontal IR interface.
- In all situations of field work where difficult conditions are present (outdoors or in the presence of small, noisy or uncomfortable environment) this adapter allows to get a fast, reliable link up to a great distance in order to operate from locations more comfortable and safe.
- The infrared link allows to work in total safety (galvanic insulation) on devices without the need to open the electrical panel to obtain connection with the unit to be programmed or serviced.
- In addition to functioning as a wireless converter, WiFi dongle is also equipped with an internal memory that can store and download data and projects from devices, in the same way as an ordinary USB stick.

4.1 Description

- One button for switching on and off and activate the dongle menu.
- Two LEDs for link status and battery status.
- Micro-USB connector for charging the battery and to operate as a USB converter (non-wireless).

4.2 IP Address

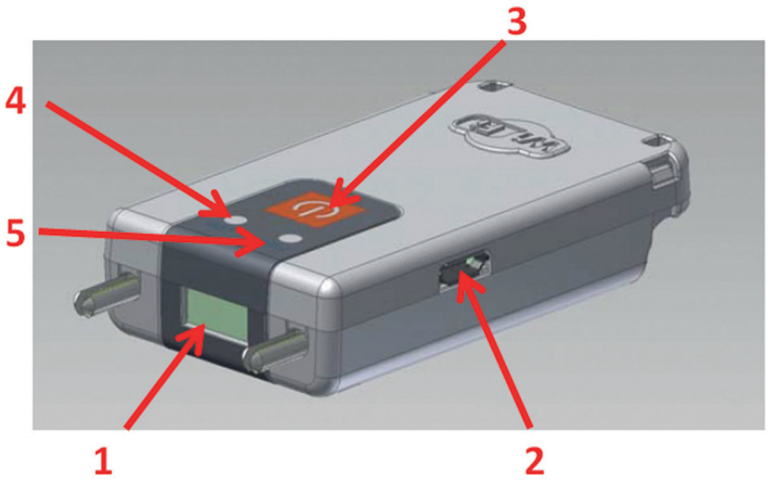
The IP address and port used by dongle on the WiFi network are listed in the following table:

IP ADDRESS	IP PORT
1.2.3.4	2000

These settings have to be used on the PC when using dongle.

4. WiFi dongle

4.3 Module overview



1 IR optical port
2 Micro USB Connector
3 ON/OFF button
4 Link state LED
5 Battery charge LED

4.3.1 Charging the battery

Before using the device fully charge the battery, leaving it connected to a USB power source until the battery LED will glow green.

4.3.2 Power on

Press and hold the button for 2 seconds to activate WiFi dongle.

4.3.3 Power off

Press and hold for 3 seconds the button to turn off permanently dongle.
The dongle automatically turns off after 30 seconds if it is not placed in front to an active IR port.

4.3.4 LED Indications

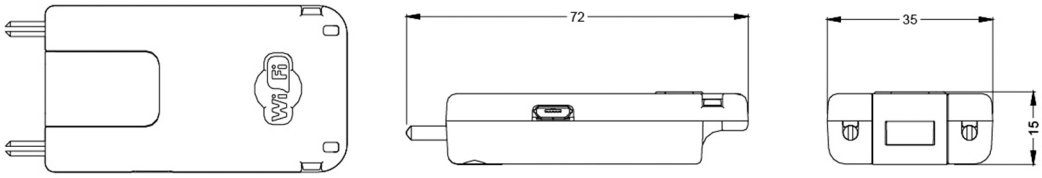
Battery charge LED

COLOUR	BATTERY CHARGE STATUS
Red	< 10%
Orange	>10%, < 90%
Green	> 90%

Link status LED

STATUS	IR PRESENCE	WIFI STATUS	DATA TRAFFIC
Red steady	No	-	-
Orange blink	OK	Connected, Stand-by	-
Orange steady	OK	Connected, Ready	-
Green steady	OK	Connected, Active	No
Green blink	OK	Connected, Active	Yes

4.3.5 Mechanical dimensions [mm]



4. WiFi dongle

4.4 Dongle menu

To enter the dongle menu it is necessary to perform the start-up procedure described below:
• Insert the dongle into the IR port of the device with which you want to communicate.
• Switch on dongle on by pressing the button for 2 s.
• Wait until the "Link status" LED becomes orange flashing.
• Press 3 times consecutively and fast the dongle button.

The base device display will show the Dongle menu.
To navigate the menu dongle use the arrow keys on the basic, following the directions of the bar on the last line of the page.
Select the desired command and confirm it.
For each command from D1 to D4 a second confirmation is requested before performing the selected operation.

4.4.1 Command description

D1: it allows to download the setup menu from the device to the dongle. The data is saved in non-volatile memory of the dongle. If during the data transfer any error occurs (ex: dongle not perfectly connected to the device), then after the download the display will show error message '*CHECKSUM ERROR - RETRY COMMAND*'. In this situation the setup data is not saved. Retry D1 command.

D2: it allows to transfer the data stored in the dongle (with previous command D1) to a different device.

D3: it allows to download all the data of the device (setup, page info, events...) and save it in the non-volatile memory of dongle. If during the data transfer any error occurs (ex: dongle not perfectly inserted in the device IR port) then after the download the display will show error message '*CHECKSUM ERROR – RETRY COMMAND*'. In this situation the setup data is not saved. Retry *D3* command.

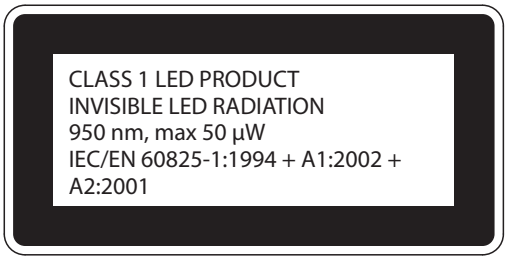
D4: it allows to transfer the data stored in the dongle with the command *D3* to a different device.

D5: it shows information about data currently stored in the internal memory of the dongle

4.5 Technical data

Supply	**Supply voltage**	5 V DC (taken from USB)
	Supply current	400 mA max
	Power consumption/dissipation	2 W
USB		Type B
Battery	**Type**	Li-Ion
	Rated voltage	3.7 V
	Capacity	700 mA
	Life before recharge	> 5 hours
	Recharging type	Connection to USB host
	Charging current	350 mA max
Ambient operating conditions	**Operating temperature**	0 °C ÷ +50 °C
	Storage temperature	-20°C ÷ +60°C
	Degree of protection	IP20

Disposal of Li-Ion batteries
Batteries must be disposed of according to local regulations.
The batteries should not be mixed



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