

Application Note - EHLO.lux, HELO.lux

▲ DANGER

RISK OF FIRE, ELECTRIC SHOCK, EXPLOSION, AND ARC FLASH

- This Service Bulletin is in addition to, and incorporates by reference, the relevant product manuals for each product in the Conext ComBox. Before reviewing this Application Note you must read the relevant product manuals.
- Unless specified, information on safety, specifications, installation, and operation is as shown in the primary documentation received with the product. Ensure you are familiar with that information before proceeding.

Failure to follow these instructions will result in death or serious injury.

Purpose

HELO and EHLO are standard Simple Mail Transfer Protocol (SMTP) greetings used to identify the features supported by a mail client. The ComBox mail client supports e-mail authentication while reporting itself as a basic mail client using the HELO greeting. This is non-standard behavior for a mail client. In order to support e-mail authentication, the mail client must identify itself using an EHLO greeting prior to advertising that it supports SMTP Authentication.

The EHLO.lux and HELO.lux scripts allow the user to enable and disable the EHLO identification.

Scope

This Application Note includes information regarding the use of hardware and software in the Conext ComBox and Modbus Converter families.

Audience

This Application Note is intended for use by qualified personnel planning to design, install, commission, operate, maintain, or service a system involving a Conext ComBox.

Qualified personnel have training, knowledge, and experience in:

- Applying all applicable installation codes.
- Analyzing and reducing the hazards involved in performing electrical work.
- Selecting and using Personal Protective Equipment (PPE).

Safety Conventions Used

The following conventions may be used in this Application Note.

DANGER

DANGER indicates an imminently hazardous situation, which, if not avoided, will result in death or serious injury.

Applications

- EHLO.lux
- HELO.lux

Applicability

ComBox Application Firmware Ver01.03BN0450 and later.

Usage

To enable EHLO mail client identification:

1. Download the EHLO.lux script from: <http://www.schneider-electric.com/products/ww/en/7000-solar-off-grid-and-back-up/7030-monitoring/62089-conext-combox/>
2. Execute the EHLO script:
 - a) Copy the EHLO.lux script to the root directory of a USB memory stick.
 - b) Ensure there are no other .lux scripts on the USB memory stick.
 - c) Insert the USB memory stick into the ComBox.
 - d) Wait for the **Memory** indicator light (LED) on the ComBox to flash five times indicating that script execution is successful.
 - e) Remove the USB memory stick from the ComBox.
3. Review the settings log file:
 - a) Insert the USB memory stick into your PC and confirm that the settings.log file has been created.
 - b) Review the content of the settings.log file. It is a simple text file so it can be easily opened/reviewed using any text editor or word processing tool.
 - c) Confirm that the EHLO.lux script executed successfully. It should have created a line which is similar to the one below:

```
- ComBox-1004-0002 : Thu Oct 31 10:59:01
  2013,Mail EHLO Enabled
```
 - d) Safely eject the USB memory stick from the PC.

To disable EHLO mail client identification:

1. Download the HELO.lux script from: <http://www.schneider-electric.com/products/ww/en/7000-solar-off-grid-and-back-up/7030-monitoring/62089-conext-combox/>
2. Execute the HELO.lux script:
 - a) Copy the HELO.lux script to the root directory of a USB memory stick.
 - b) Ensure there are no other .lux scripts on the USB memory stick.
 - c) Insert the USB memory stick into the ComBox.
 - d) Wait for the **Memory** LED on the ComBox to flash five times indicating that script execution is successful.
 - e) Remove the USB memory stick from the ComBox.

3. Review the settings log file:
 - a) Insert the USB memory stick into your PC and confirm that the settings.log file has been created.
 - b) Review the content of the settings.log file. It is a simple text file so it can be easily opened/reviewed using any text editor or word processing tool.
 - c) Confirm that the HELO.lux script executed successfully. It should have created a line which is similar to the one below:

```
ComBox-1004-0002 : Thu Oct 31 16:08:10 2013,Mail EHLO  
Disabled
```

- d) Safely eject the USB memory stick from the PC.

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