# EASY CONFIG SYSTEM





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# **1. DOWNLOAD AND INSTALLATION**

#### 1.1. Where to download ?

Go to: https://www.leviton.com/en/products/60P00

Minimum configuration required:

- Windows 7 and above
- Windows 64 bits only
- 2GB of RAM
- 1GB of hard disk
- Screen resolution: 1024 x 768

#### 1.2. How to install ?

Step 1: Unzip the "Easy Config System X.X.zip" file.

Step 2: Right-click on the .exe file and "Run as administrator".

| ISSetupPrerequisites                  | 3/2/2020 3:14 PM  | File folder |            |
|---------------------------------------|---|-------------|------------|
| Easy Config S                         | n   | Application | 118,704 KB |
| 📢 Run                                 | as administrator  |             |            |
| Trou<br>Pin t                         | bleshoot compatibility<br>o Start                           |             |            |
| Shar<br>View<br>Cho                   | e<br>/ online<br>ose OneDrive folders to sync               |             |            |
| 7-Zij<br>CRC<br>Edit<br>Pin t<br>Rest | SHA<br>with Notepad++<br>o taskbar<br>ore previous versions |             |            |
| Cut                                   | l to  |             |            |
| Crea<br>Dele<br>Rena                  | ite shortcut<br>te<br>ame                                   |             |            |
| Prop                                  | erties  |             |            |

## 2. START-UP

#### 2.1. Profiles

| Profile | Default Password | Rights  |
|---------|------------------|---|
| User    | None             | <ul><li>Visualization</li><li>Limited configuration</li></ul>   |
| Admin   | Admin            | <ul> <li>Visualization</li> <li>Full configuration</li> <li>Save system</li> <li>Open system</li> <li>Save template</li> <li>Upload template</li> <li>Template management</li> <li>Password modification</li> </ul> |
| LEVITON | 1922             |   |



#### 2.2. Create a new configuration

Step 1: Click on "New Configuration".

| 🖏 Easy Config System    |                        | 8 | - 🗆     | × |
|-------------------------|------------------------|---|---------|---|
| LEVIT <mark>ON</mark> . | EASY CONFIG SYSTEM 2.1 |   | English | Y |
| CONFIGURATIONS          |                        |   |         |   |
| Image: Configuration    |                        |   |         |   |
|                         |                        |   |         |   |
|                         |                        |   |         |   |
|                         |                        |   |         |   |

Step 2: Name the configuration and choose an icon.

| 🗱 Easy  | Config System |                      |                        | - 0     | × |
|---------|---------------|----------------------|------------------------|---------|---|
| LEVITOR |               |                      | EASY CONFIG@SYSTEM 2.1 | English | ۷ |
|         |               |                      |                        |         |   |
|         |               |                      |                        |         |   |
|         |               | Create Configuration | ×                      |         |   |
|         |               | Name                 |                        |         |   |
|         |               |                      |                        |         |   |
|         |               |                      |                        |         |   |
|         |               |                      | Create                 |         |   |

#### 2.3. Main screen

| ſ    | Click on "<br>configura | Levitor<br>tions | n" to go ba     | ack to the | list of           |                    | Log out  |                   |                 |
|------|-------------------------|------------------|-----------------|------------|-------------------|--------------------|----------|-------------------|-----------------|
| 🗐 Ea | Config System           |                  |                 |            | EA                | SY CONFIG & SYSTEM | 21 🗭 @   |                   | Change language |
|      | LIST OF CONNECT         | ED DEVICE        | S               |            |                   |                    |          | Chighish          | Change language |
|      | Selected Device         | s Discov         | ver Gateways (S | SDP)       |                   |                    |          | <b>↓</b> USB Mode |                 |
| 쁆    |                         |                  |                 |            |                   |                    | Q Search |                   |                 |
| 6:3  | Reference               | Name             | Location        | Protocol   | IP Address        | Modbus Address     | Status   | Actions           |                 |
| ß    |                         |                  |                 |            |                   |                    |          |                   |                 |
| ×    |                         |                  |                 |            |                   |                    |          |                   |                 |
| Û    |                         |                  |                 | No         | o Data to Display |                    |          |                   |                 |
|      |                         |                  |                 |            | 1.7               |                    |          |                   |                 |
|      |                         |                  |                 |            |                   |                    |          |                   |                 |
|      |                         |                  |                 |            |                   |                    |          |                   |                 |
|      |                         |                  |                 |            |                   |                    |          |                   |                 |
|      |                         |                  |                 |            |                   |                    |          |                   |                 |
|      |                         |                  |                 |            |                   |                    |          | +                 |                 |
|      |                         |                  |                 |            |                   |                    |          |                   |                 |

#### 2.4. Saving or opening a configuration

| EASY CON | NFIG@SYSTEM 2.1 | ۲ | _ |         |   |
|----------|-----------------|---|---|---------|---|
|          |                 |   |   | English |   |
|          |                 |   |   | Englion |   |
|          |                 |   |   |         | ľ |
|          |                 |   |   |         |   |
|          |                 |   |   |         |   |
|          |                 |   |   |         |   |
|          |                 |   |   |         |   |
|          |                 |   |   |         |   |
|          |                 |   |   |         |   |
|          |                 |   |   |         |   |
|          |                 |   |   |         |   |
|          |                 |   |   |         |   |
|          |                 |   |   |         |   |
|          |                 |   |   |         |   |
|          |                 |   |   |         |   |
|          |                 |   |   |         |   |
|          |                 |   |   |         |   |
|          |                 |   |   |         |   |

- Your system configurations can be saved and used again for another project.
- Instead of saving the configurations of individual devices, this allows you to save the configuration of an entire system.
- This will be particularly helpful if you need to configure multiple identical panels.

| 😂 Easy  | Config System – 🗆   | ×   |
|---|---|---|
| LEVITON<br>And<br>And<br>And<br>And<br>And<br>And<br>And<br>And<br>And<br>And | LIST OF CONNECTED DEVICES Selected Devices Discover Gateways (SSDP) Q Search Reference Name Location Protocol IP Address Modbus Address Status Actions No Data to Display | <ul> <li>2 modes to connect to a device.</li> <li>USB mode when your laptop is connected to a device via a USB cable.</li> <li>"+" button to manually add a device connected over Ethernet or RS485.</li> </ul> |
|   | 2+  |   |

#### 2.6. Connection modes - USB

| 😂 Easy   | Config System         |                |          |                   |                  |          | - 🗆 ×      |   |
|----------|-----------------------|----------------|----------|-------------------|------------------|----------|------------|---|
| LEVITON. |                       |                |          | EAS               | SY CONFIG SYSTEM | 12.1 🕞 🇯 | English 🔹  |   |
|          | LIST OF CONNECTED DEV | ICES           |          |                   |                  |          |            | <ul> <li>Connect a USB cable</li> </ul> |
|          | Selected Devices Dis  | cover Gateways | (SSDP)   |                   |                  |          | ♥ USB Mode | between your PC and a                   |
| 品        |                       |                |          |                   |                  | O Search |            | Leviton device.                         |
| 00       |                       |                |          |                   |                  | Search   |            |   |
| 0.0      | Reference Name        | Location       | Protocol | IP Address        | Modbus Address   | Status   | Actions    |   |
| ß        |                       |                |          |                   |                  |          |            | • Click on USB mode.                    |
| 8        |                       |                |          |                   |                  |          |            |   |
| 5        |                       |                |          |                   |                  |          |            | The device will be added                |
| Û        |                       |                | No       | o Data to Display |                  |          |            |   |
|          |                       |                |          |                   |                  |          |            |   |
|          |                       |                |          |                   |                  |          |            |   |
|          |                       |                |          |                   |                  |          |            |   |
|          |                       |                |          |                   |                  |          |            |   |
|          |                       |                |          |                   |                  |          |            |   |
|          |                       |                |          |                   |                  |          |            |   |
|          |                       |                |          |                   |                  |          | +          |   |
|          |                       |                |          |                   |                  |          |            |   |
|          |                       |                |          |                   |                  |          |            |   |

#### 2.7. Adding a device manually

| LIST C | F CONNECTED DEVICES           | (2000)              | ASY CONFIG®SYSTEM 2.1 | English •            | EASY           | CONFIG SYSTE   | M 2.1 🕞 🏾 🌐  | – ⊔<br>€ English |
|--------|-------------------------------|---------------------|-----------------------|----------------------|----------------|----------------|--------------|------------------|
| Selec  | ted Devices Discover Gateways | (SSDP)              |                       | ⊈ US8 Mode           |                |                |              | p                |
|        | Reference Name Location       | Protocol IP Address | Q, Search             | tus Actions          |                |                |              | 1                |
|        |                               |                     |                       |                      |                |                |              | Ψ USB Me         |
|        |                               |                     |                       |                      |                |                | O Search     |                  |
|        |                               | No Data to Display  |                       |                      |                |                | Search       |                  |
|        |                               |                     | × 1                   |                      | IP Address     | Modbus Address | Status       | Actions          |
|        |                               |                     |                       |                      |                |                |              |                  |
|        |                               |                     |                       | 4                    |                |                |              |                  |
|        |                               |                     |                       | •                    |                |                |              |                  |
|        |                               |                     |                       |                      |                |                |              |                  |
|        |                               |                     |                       | No Da                | ata to Display |                |              |                  |
|        |                               |                     |                       |                      |                |                |              |                  |
|        |                               |                     |                       |                      |                |                |              |                  |
|        |                               |                     |                       |                      |                |                |              |                  |
|        |                               |                     |                       |                      |                |                |              |                  |
|        |                               |                     |                       |                      |                |                |              |                  |
|        |                               |                     |                       |                      |                |                |              |                  |
|        | Reference                     | Name                | Location              | Protocol             | IP Address     | Port           | Modbus Addre |                  |
|        | Reference<br>VerifEye 6 💌     | Name<br>SUBFEED A   | Location<br>factory 1 | Protocol<br>Modbus T | IP Address     | Port<br>4 502  | Modbus Addre |                  |

- Enter communication details for the device you wish to add:
  - Device type
  - Name
  - Location
  - Communication protocol
  - IP address
  - Communication port
  - Modbus Address

# 3. DEVICE LIST MENU

| 😂 Easy C | onfig System                 |               |           |            |                 | EASY CONFIG®   | SYSTEM 2.1 | – đ ×             |
|----------|------------------------------|---------------|-----------|------------|-----------------|----------------|------------|-------------------|
| =        | LIST OF CONNECTED DEVICES    |               |           |            |                 |                |            |                   |
|          | Selected Devices Discover Ga | teways (SSDP) |           |            |                 |                |            | <b>Ψ</b> USB Mode |
| 品        |                              |               |           |            |                 |                | Q Sea      | rch               |
| 60       | Reference                    | Name          | Location  | Protocol   | IP Address      | Modbus Address | Status     | Actions           |
| G        | VerifEye 60P RS485 Modbus    | SUBFEED A     | factory 1 | Modbus TCP | 172.23.24.4:502 | 5              |            | 0 🔍 0 1 1         |
|          | VerifEye 60P RS485 Modbus    | SUBFEED B     | factory 1 | Modbus TCP | 172.23.24.4:502 | 6              |            | 0 🔍 0 ± ±         |
| 0.00     | VerifEye 60P RS485 Modbus    | SUBFEED C     | factory 1 | Modbus TCP | 172.23.24.4:502 | 7              |            | 0 🔍 0 1 1         |
| Û        | VerifEye 60P RS485 Modbus    | SUBFEED D     | factory 1 | Modbus TCP | 172.23.24.4:502 | 8              |            | 0 🔍 0 ± ±         |
|          | VerifEye 60P RS485 Modbus    | SUBFEED D     | factory 1 | Modbus TCP | 172.23.24.4:502 | 9              |            | 0 🔍 0 ± ±         |
|          |                              |               |           |            |                 |                |            |                   |
|          |                              |               |           |            |                 |                |            |                   |
|          |                              |               |           |            |                 |                |            |                   |
|          |                              |               |           |            |                 |                |            |                   |
|          |                              |               |           |            |                 |                |            |                   |
|          |                              |               |           |            |                 |                |            | +                 |
|          |                              |               |           |            |                 |                |            |                   |
|          |                              |               |           |            |                 |                |            |                   |

- From this menu, you can find the list of devices present within the configuration.
- One or several meters can be listed.

| LIST OF CONNECTED DEVICES |                 |           |            |                 |                |        |            |            |
|---------------------------|-----------------|-----------|------------|-----------------|----------------|--------|------------|------------|
| Selected Devices Discover | Gateways (SSDP) |           |            |                 |                |        | ∲ USB Mode |            |
|                           |                 |           |            |                 |                | Q Sea  | rch        |            |
| Reference                 | Name            | Location  | Protocol   | IP Address      | Modbus Address | Status | Actions    |            |
| VerifEye 60P RS485 Modbus | SUBFEED A       | factory 1 | Modbus TCP | 172.23.24.4:502 | 5              |        | 0 🔍 0 ± ±  | Save the d |
| VerifEye 60P RS485 Modbus | SUBFEED B       | factory 1 | Modbus TCP | 172.23.24.4:502 | 6              |        | 0 🔍 0 🛨 ±  |            |
| VerifEye 60P RS485 Modbus | SUBFEED C       | factory 1 | Modbus TCP | 172.23.24.4:502 | 7              |        | 0 🔍 0 1 ±  | opioau a s |
| VerifEye 60P RS485 Modbus | SUBFEED D       | factory 1 | Modbus TCP | 172.23.24.4:502 | 8              |        | 0 🔍 0 1 1  | Dooot tho  |
| VerifEye 60P RS485 Modbus | SUBFEED D       | factory 1 | Modbus TCP | 172.23.24.4:502 | 9              |        | 0 🔍 C 1 1  |            |
|                           |                 |           |            |                 |                |        |            | Easy Conii |
|                           |                 |           |            |                 |                |        |            |            |
|                           |                 |           |            |                 |                |        |            | Modify the |
|                           |                 |           |            |                 |                |        |            | (name, loc |
|                           |                 |           |            |                 |                |        |            |            |
|                           |                 |           |            |                 |                |        | +          |            |

| Save t | the de | evice | s co | or  | nfig | urati | on     |    |       |   |
|--------|--------|-------|------|-----|------|-------|--------|----|-------|---|
| Jploa  | d a sa | aved  | cor  | nfi | gur  | atio  | n to t | he | devic | e |
|        |        |       |      |     | ~    |       |        |    |       |   |

Reset the device's default settings in Easy Config

Modify the device's details name, location etc.)

# 4. VISUALIZATION MENU

| 🕄 Easy              | Config System                                      |   |                    |                     |                   | EASY CONFIG@SYSTEM 2.1 | • | – Ø       | × |
|---------------------|--|---|--------------------|---------------------|-------------------|------------------------|---|-----------|---|
| Ξ                   | VISUALIZATION:                                     |   |                    |                     |                   |                        |   | C Lightin |   |
| 3                   | ORGANIZATION                                       | VerifEye 60P RS485 M  | Modbus@5           |                     |                   |                        |   |           |   |
| U_                  | Devices by Gateway                                 | Cominformation Sensor   | 15-20A             | System alarm        |                   |                        |   |           |   |
| AA                  | Q. Search  | 10: 75229C L2: TE18<br>Firmware version: 1.6.0 L3: TE18<br>Date/Time: 2020/01/28 23:25:47 | 8 5-20A<br>8 5-20A |                     |                   |                        |   |           |   |
| Exery Config System | SUBFEED A  |   |                    |                     |                   |                        |   |           |   |
| 69                  | SUBFEED B  | Storage<br>Load Curves: 21 Days   |                    |                     |                   |                        |   |           |   |
| ×                   | SUBFEED C  | Trends: 1.6 Days  |                    |                     |                   |                        |   |           |   |
|                     | SUBFEED D  | Londs PAC_134   |                    |                     |                   |                        |   |           |   |
| Û                   | SUBFEED D  | Type :      OF Freshel Di     SP+N-3CT  | agram () I         | Power Diagram       |                   |                        |   |           | × |
|                     |  | Active load   |                    | System<br>U 05.17 V |                   |                        |   |           |   |
|                     | DATA   | - ( (Reg  |                    | F 50.03 Hz<br>I 0 A |                   |                        |   |           |   |
|                     | Dashboard  |   |                    | V 185.41 V          |                   |                        |   |           |   |
|                     | <ul> <li>Visualization</li> </ul>                  | 9   |                    |                     |                   |                        |   |           |   |
|                     | <ul> <li>Instantaneous<br/>Measurements</li> </ul> |   |                    |                     | Wiring Diagnostic |                        |   |           |   |
|                     | ▼ Loads  |   |                    |                     |                   |                        |   |           |   |
|                     | % Energy   |   |                    |                     |                   |                        |   |           |   |
|                     | % Network  |   |                    |                     |                   |                        |   |           |   |
|                     | % Load   |   |                    |                     |                   |                        |   |           |   |

- From this menu (1), the list of devices is shown in the "Organization" part (2).
- In the "DATA" part (3), select data to visualize.
- Each device has a custom dashboard.

## **5. CONFIGURATION MENU**

#### 5.1. Device configuration



When parameters are modified, an icon appears next to the modified menu and next to the modified device.

| 🕄 Easy C | onfig System                      |      |  |              |              |              | - 0 ×     |   |
|----------|-----------------------------------|------|--|--------------|--------------|--------------|-----------|---|
|          | DEVICE CONFIGURATION              |      |  |              | EASY CONFIG® | SYSTEM 2.1 🕞 | English • |   |
| -        | ORGANIZATION                      |      | Electrical Network                     |              |              |              |           | Parameters were modified for this device  |
| 品        | Devices by Gateway                | •    | Description                            | Value        | SUBFEED A    | Unit         | Read      | but configuration has not been sent to    |
| 60       | Q Search                          |      | <ul> <li>Electrical Network</li> </ul> |              |              |              | Neau      | the device vet.                           |
| 00       | SUBFEED A                         | 0    | * Network                              |              |              |              | Program   |   |
| 19       | SUBFEED B                         | _    | Туре                                   | 3P+N         |              | -            |           |   |
| ×        | SUBFEED C                         |      | Nominal Voltage                        | 208          |              | V            |           | Click on program to send the              |
|          | SUBFEED D                         |      | Nominal Frequency                      | 60 Hz        | •            | · •          |           | configuration (for this menu only) to the |
| Ċ        | SUBFEED D                         |      | Phase Rotation                         | V1 - V2 - V3 | •            |              |           | device.                                   |
|          | CONFIGURATION                     | -    | Voltage Transformer                    |              |              |              |           | This does not send the configuration      |
|          | <ul> <li>Communication</li> </ul> |      | Voltage Transformer                    | No           | •            |              |           | of other configuration menus.             |
|          | % Modbus                          |      |  |              |              |              |           | 0   |
|          | ▼ Measurement                     | _    |  |              |              |              |           |   |
|          | % Electrical Networ               | rk Ø |  |              |              |              |           |   |
|          | % Load                            |      |  |              |              |              |           | Some parameters have been modified        |
|          | % Current Sensors                 | 0    |  |              |              |              |           | within this menu, but changes were not    |
|          | % Calculations                    |      |  |              |              |              |           | sent to the device vet                    |
|          | Digital I/O                       |      |  |              |              |              |           | Sent to the device yet.                   |

# 6. SYSTEM CONFIGURATION MENU

#### 6.1. Multi-menu and Multi-device programming

| Co casy con | nfig System | n                               |                           |                        | - 0         | × |
|-------------|-------------|---------------------------------|---------------------------|------------------------|-------------|---|
|             | PROGRA      | AM THE DEVICES                  |                           | EASY CONFIG@SYSTEM 2.1 | 🕩 🌐 English | • |
|             | Devices     | s modified since last programmi | ng                        |                        |             |   |
| 653         |             | Location                        | Туре                      | Name                   | Program     |   |
| 6-3         |             | factory 1                       | VerifEye 60P RS485 Modbus | SUBFEED A              | Flogram     |   |
| Ch          |             | factory 1                       | VerifEye 60P RS485 Modbus | SUBFEED B              |             |   |
| ~           |             | factory 1                       | VerifEye 60P RS485 Modbus | SUBFEED C              |             |   |
| ×           |             | factory 1                       | VerifEye 60P RS485 Modbus | SUBFEED D              |             |   |
| n -         |             | factory 1                       | VerifEye 60P RS485 Modbus | SUBFEED D              |             |   |

- This menu is used to send the configuration to multiple devices at the same time.
- All devices that have been modified and not yet configured are listed in this menu.
- This menu is particularly handy and quick if you have modified the configuration within several tables, and for multiple devices.



Several configuration menus or devices have been modified (indicated by the pencil icon) and waiting to be configured.

| nfig Sy | ster   | n                |                               |                        | - ø ×         |
|---------|--------|------------------|-------------------------------|------------------------|---------------|
| ITON.   |        |                  |                               | EASY CONFIG@SYSTEM 2.1 | 🕩 🌐 English 🔹 |
| =       | PROGR  | M THE DEVICES    |                               |                        |               |
|         | Device | s modified since | last programming              |                        |               |
| 2       |        | Location         | Type Na                       | ime                    | Dressen       |
|         |        | factory 1        | VerifEye 60P RS485 Modbus SUE | BFEED A                | Program       |
|         |        | factory 1        | VerifEye 60P RS485 Modbus SUE | BFEED B                |               |
|         |        | factory 1        | VerifEye 60P RS485 Modbus SUE | BFEED C                |               |
| 0       |        | factory 1        | VerifEye 60P RS485 Modbus SUE | BFEED D                |               |
| 51      |        | factory 1        | VerifEye 60P RS485 Modbus SUE | BFEED D                |               |
| 1       | _ ♠    |                  |                               |                        |               |
|         |        |                  |                               |                        |               |
|         |        |                  |                               |                        |               |
|         |        |                  |                               |                        |               |
|         |        |                  |                               |                        |               |
|         |        |                  |                               |                        |               |
|         |        |                  |                               |                        |               |

# 7. DUPLICATE A CONFIGURATION

#### 7.1. Duplicate a configuration (device to device)



This menu is used to duplicate the configuration of a device into another device of the same type.

Ex: Choose a source product (60P00).

All other 60P00 modules are then listed in the "Affected product" part.

Choose the ones you want to apply the configuration of the source 60P00 and then select the tables you want to apply.



Don't forget to uncheck the menus you don't want to duplicate (Modbus, etc.). After clicking on "Apply", don't forget to send the configuration to the devices.



