EnvirologicIQ - EDGE Manual

Contents

1.Disclaimer

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2.System requirements

1. Operating system: Windows 7 or later.
2. .NET framework 4.5
3. 30 MB of free RAM
4. 2.5 MB of free HDD space. (1 MB for the setup and 1.5 for the application). Additional free space of 50Kb per configured parameter per day will be required.
5. An active internet connection is required for verification and data upload.

3.Installing and verifying the application

1. Unpack the package and run the set-up file.
   a. Extract the zipped/compressed file "EnvirologicIQ - EDGE (Setup)" to your desired location on your system.
2. Open the extracted folder "EnvirologicIQ - EDGE (Setup)" and run the "setup.exe" file.
   a. The setup is set to run as admin by default. You might get a message prompt asking for your permission to give admin privileges. Click on the 'yes' option in that message.
3. Follow the on-screen instructions to install the application.
4. Run the application for the verification process.
   a. Launch the application from the desktop (Desktop>EnvirologicIQ - EDGE -Shortcut) or from the Start menu (Start>Logicladder Technologies>EnvirologicIQ - EDGE).
   b. Enter the registered email ID (email ID that you used while making your purchase) when asked.
   c. Let the application verify itself.
   d. A message will be displayed on successful verification. Acknowledge that message by clicking the 'Okay' button.
   e. Re-launch the application. EnvirologicIQ - EDGE is now ready to be used.

4. The home screen

There are four primary widgets in EnviroConnect.

1.　　　The Industry widget:

a.　　　This is where the industry details are displayed. It includes the following:

　　　　i.　　Industry name
　　　　ii.　　Industry type
　　　　iii.　Industry code
　　　　iv.　State regulatory
　　　　v.　　Central regulatory

2.　　　The Device widget

a.　　　Up to 5 Modbus devices can be monitored using EnviroConnect. These devices can be configured by clicking on the device settings button. A summary of these devices can be seen in this widget with the following details:

　　　　i.　　Device number
　　　　ii.　　Device name
　　　　iii.　Device make and model
　　　　iv.　Communication details

3.　　　The Parameter widget

a.　　　Up to 100 parameters across 5 devices can be configured in EnviroConnect. Use the parameter settings button to do so. The configured parameters are displayed in this widget is a list format.

4.　　　The Logged Data widget

a.　　　This widget can be used to view the logged data on the local system.

　　　　i.　　Select the parameter's number.
　　　　ii.　　Select the parameter's name (in case the name has been changed in the past).
　　　　iii.　Select a date and click view to see the data.

5.Adding industry details

To add/edit industry details:
1. Click on the industry settings button located in the top right corner of the industry widget.
2. A form will pop on the screen. Fill that form and click the 'Save' button to save the industry details.
3. Close the form after saving the form.
4. Click the 'refresh' button located at the bottom of the home screen to update the changes.

To reset industry details:
1. Click on the industry settings button located in the top right corner of the industry widget.
2. A form will pop on the screen. Click the 'Reset' button located at the bottom of that form.
3. A warning message will be displayed asking your permission to clear the industry's saved details. Click 'Yes' to confirm. The details will get reset.
4. Close the form and click the 'Refresh' button on the home screen to update the changes.

6. Adding a Modbus device

To add/edit a new device
1. Open device settings
   a. 6.1.1 Click on the device settings button located on the top right corner of the device widget.
2. Fill device form
   a. Up to 5 devices can be configured in EnviroConnect.
   b. For the first device, select the tab labeled as 'Device 1'.
   c. The device setting is divided into four parts (Details, Communication, Commands and Status).
      i. Details
         1. Configure the device's Name, Make/Model, Slave ID and UniqueID under this section.
         2. Name: Device name (example: Stack 1 device)
         3. Make/Model: Device's make and model. Select from the dropdown or type your own.
         4. Slave ID: Enter the slave id (1-255) which is set in the device itself.
         5. Unique ID: This field is necessary if the data from this device is required to be uploaded to EnvirologicIQ. Ask your vendor for this ID. The field can be left blank and can be configured later.
      ii. Communication
         1. Enable: Check this field to poll this device for data.
         2. Mode: Select the correct communication mode for the device (RTU or TCP/IP)
         3. Interval: Enter a value between 1 and 60 in minute(s). The device will be polled for data (if enabled) after every specified number of minutes have passed from the time the service gets started.
         4. Serial/TCP-IP: Set serial details or IP (depending on the mode selected).
      iii. Commands
         1. Read: To add a read command, give the command a name (example: read command 1) and enter the command. Then click the (+) button to add the command to the list. Up to 5 read commands can be added per device.
         2. Write: To add a write command, give the command a name (example: write command 1) and enter the command. Then click the (+) button to add the command to the list.
         3. To fire command to the device, select the write command and click the 'fire command' button. A message will be displayed with the command written and the response received from the device. In case the command is not written, the message for the same will be displayed.
      iv. Status
         1. Filling this part is optional.
         2. Select the read command which contains the device status details.

3. Enter the status coil/register. Add possible values that can be read from that register and its description.
3. Click the 'Save' button to save the device.
4. Close the form and click the 'Refresh' button on the home screen to update the changes.

7. Configuring the parameters

1. Open parameter settings.
    a. Click on the parameter settings button located on the top right corner of the parameter widget.
    b. Set the parameter.
    c. Select the parameter number. Up to 100 parameters can be configured.
    d. Fill the rest of the form according to the parameter.
    e. Click the 'Save' button to save the parameter.
2. Now change the parameter number to configure another parameter by repeating the steps above.
3. Close the form when all the parameters are configured and click the 'Refresh' button on the home screen to update the changes.

8. Enabling app auto-run on system-reboot

1. Browse to desktop and copy EnviroConnect.
2. Press Windows+R keys together to open the run window.
3. Type 'shell:startup' and click OK.
4. A new window will open. Pase EnviroConnect here and close the windows.
5. Now EnviroConnect will start every time the system gets rebooted.