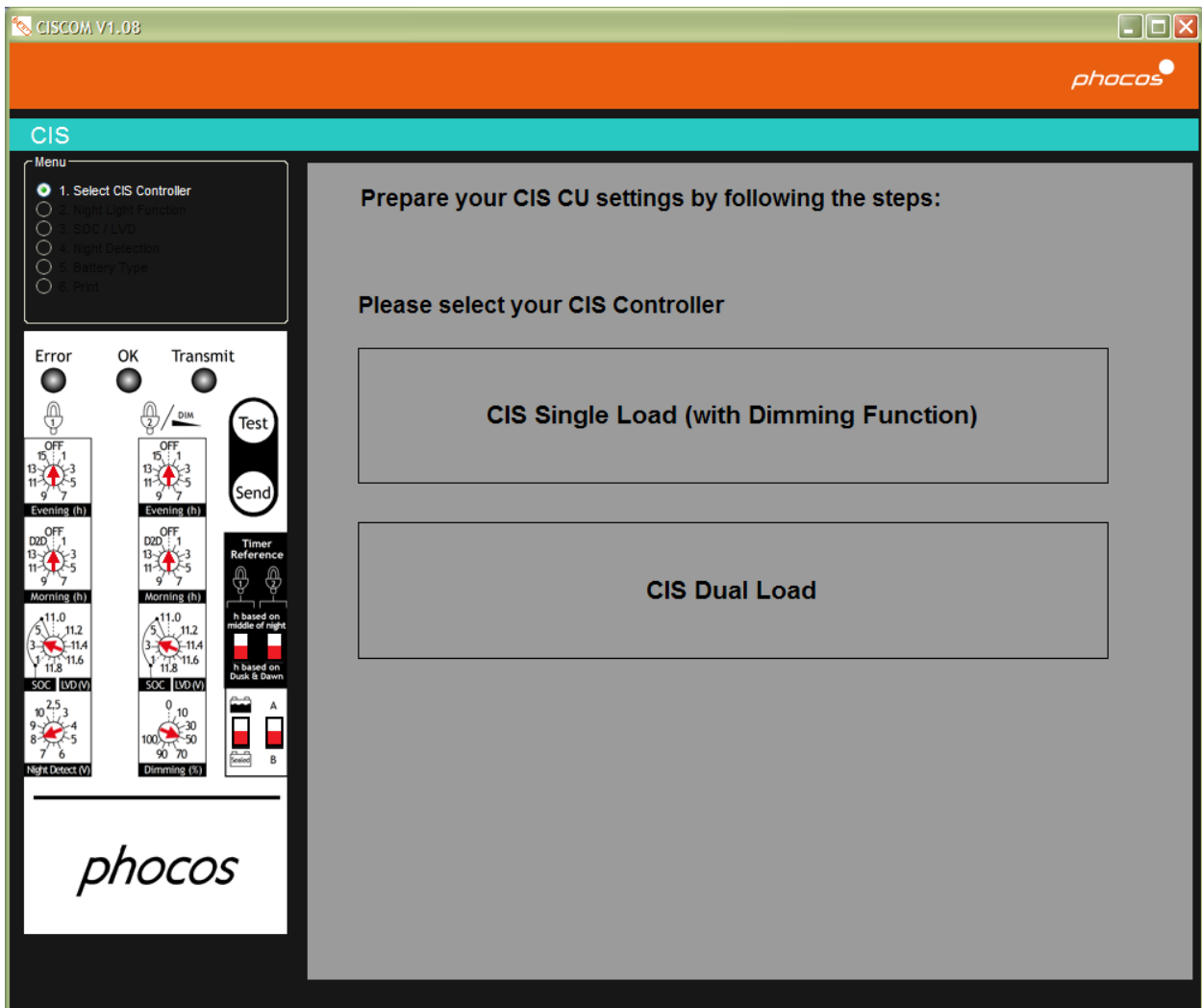


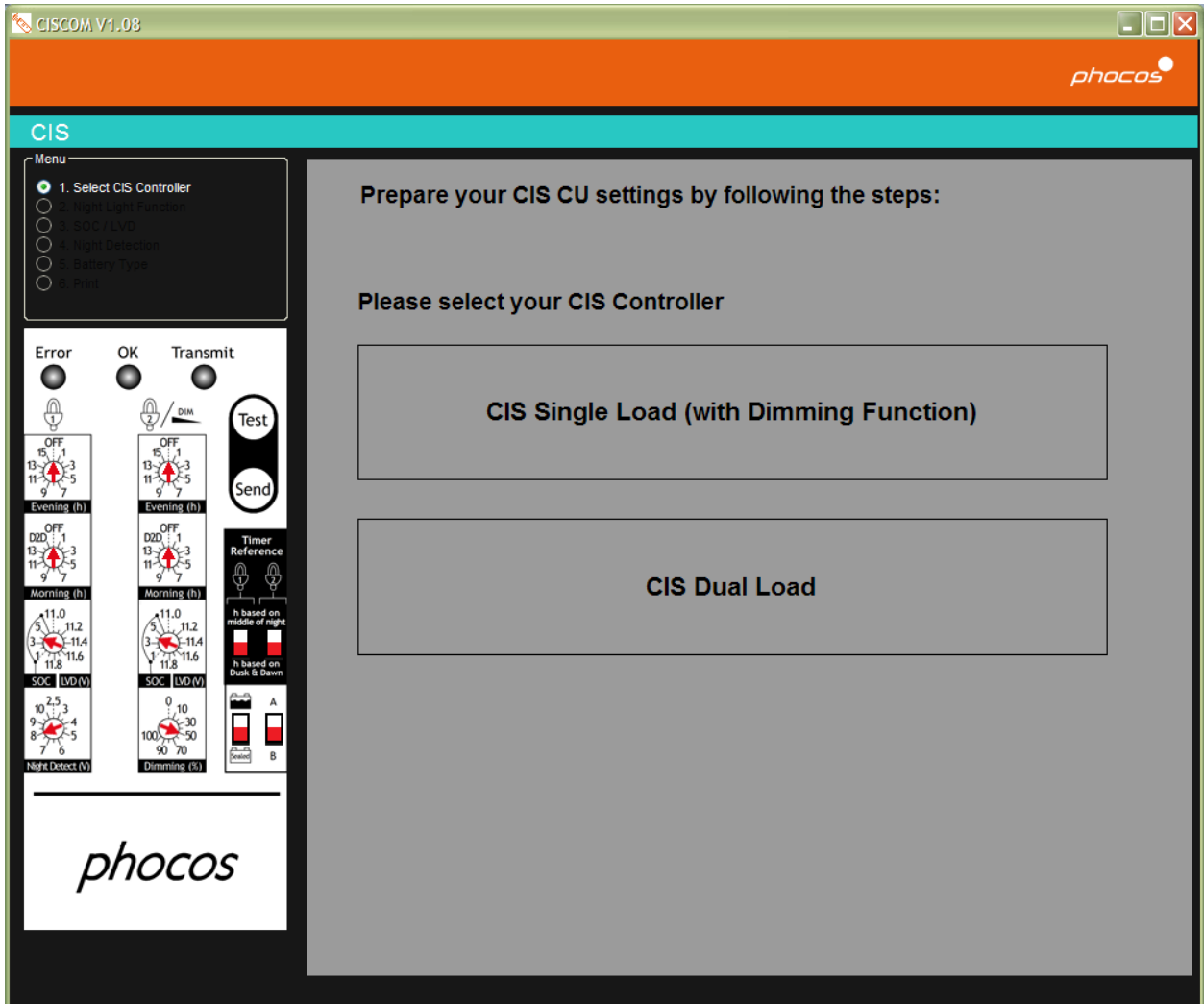
Phocos CIS - Single Load/Dual Load CISCOM Manual



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1. Select CIS Controller



Here you can select between the two different kinds of controllers:

- CIS Single Load (with Dimming Function)
- CIS Dual Load

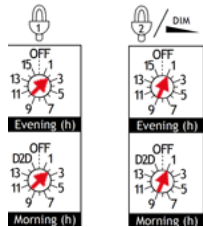
2. Night Light Function

- Dimming 
- Light on 
- Dusk 
- Dawn 

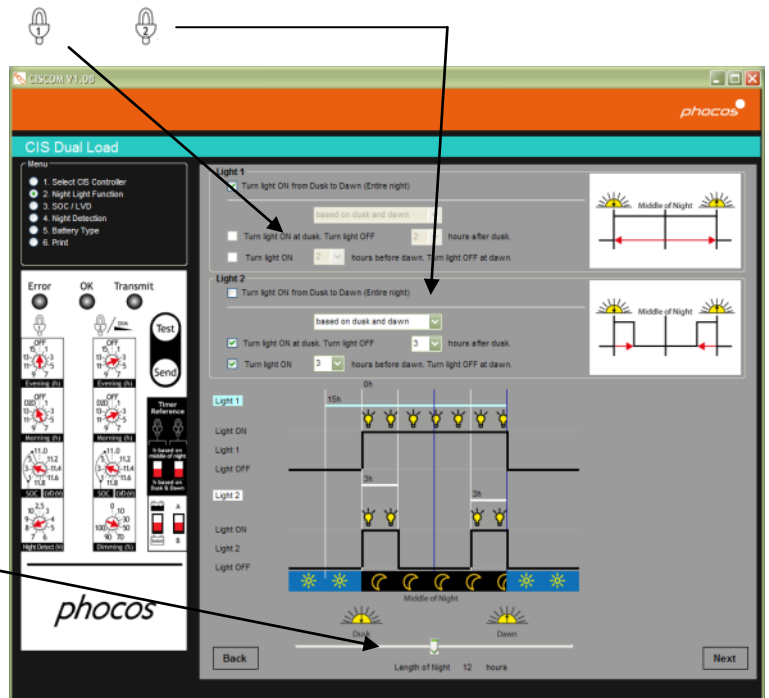
Here you can select your night light program. Results of the settings are directly visualized on the graphic.

→ CIS Dual Load

- Lights are on for load 1 and 2
 - Based on **middle of the night**
 - Based on **dusk and dawn**



- Length of Night



→ CIS Single Load (with Dimming Function)

- Light on for load
 - Based on **middle of the night**
 - Based on **dusk and dawn**

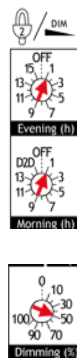


- Dimming

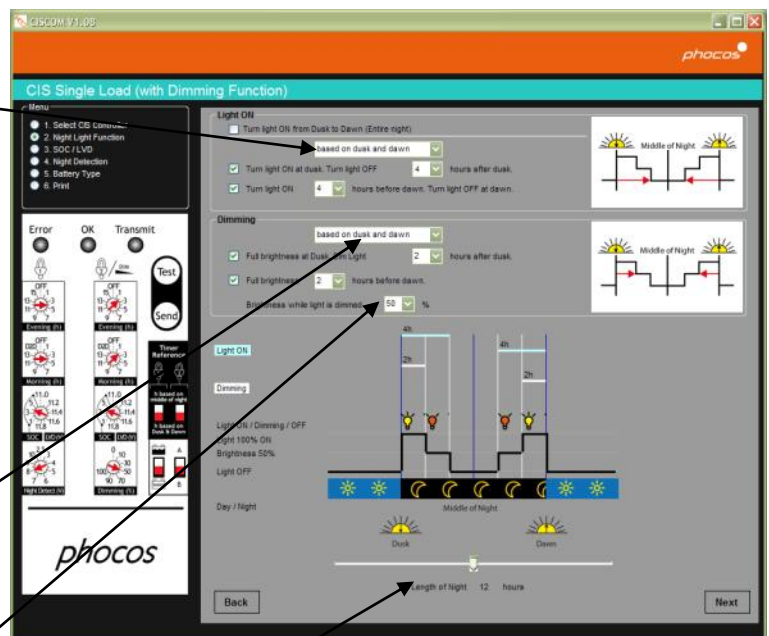
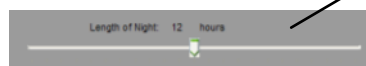
Time when the controller starts to dim

- Based on **middle of the night**
- Based on **dusk and dawn**

- Brightness while lights are dimmed



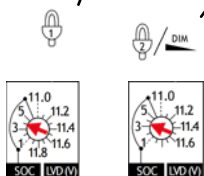
- Length of Night



3. SOC (State of Charge) / LVD (Low Voltage Disconnect)

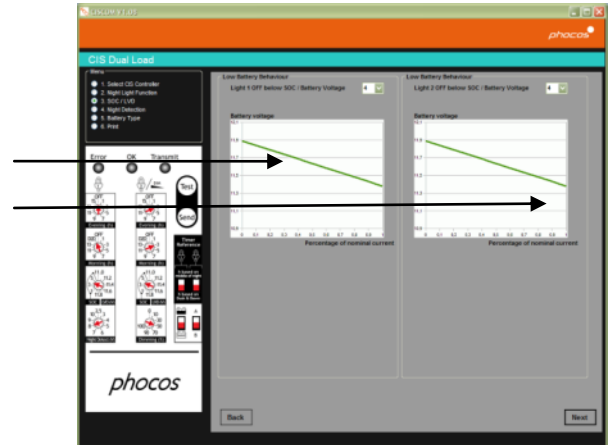
The screenshot displays the CISCOM V1.08 software interface for configuring a CIS Single Load with a Dimming Function. The interface is divided into several sections:

- Menu:** A list of configuration options including '1. Select CIS Controller', '2. Night Light Function', '3. SOC / LVD' (which is selected), '4. Night Detection', '5. Battery Type', and '6. Print'.
- Control Panel:** Includes 'Error', 'OK', and 'Transmit' buttons, along with a 'Test' button and a 'Send' button. There are also icons for a light bulb and a dimmer switch.
- Low Battery Behaviour (Left):** A graph titled 'Low Battery Behaviour' showing 'Light OFF below SOC / Battery Voltage'. The y-axis is 'Battery voltage' (10.9 to 12.1) and the x-axis is 'Percentage of nominal current' (0 to 1). A green line shows the voltage decreasing from 11.9V at 0% current to approximately 11.3V at 100% current.
- Low Battery Behaviour (Right):** A graph titled 'Low Battery Behaviour' showing 'Dim light below SOC / Battery Voltage'. The axes and the green line are identical to the left graph.
- Example:** A text block explaining that if the battery voltage falls below the LVD / SOC level (e.g., 11.0 V), the light will be switched OFF. When the LVD / SOC of the Dimming function is set to a higher level (e.g., 11.6 V), it will reduce brightness, if the battery goes down. This extends the time before the light is switched OFF completely.
- Graphs:** Below the example is a graph titled 'Battery voltage' showing the voltage decreasing from 12.1V to 10.9V. A horizontal line at 11.6V is labeled 'DIM', and a horizontal line at 11.0V is labeled 'OFF'. The area between 11.0V and 11.6V is shaded red and labeled 'Extended Time'.
- Navigation:** 'Back' and 'Next' buttons are located at the bottom of the main configuration area.

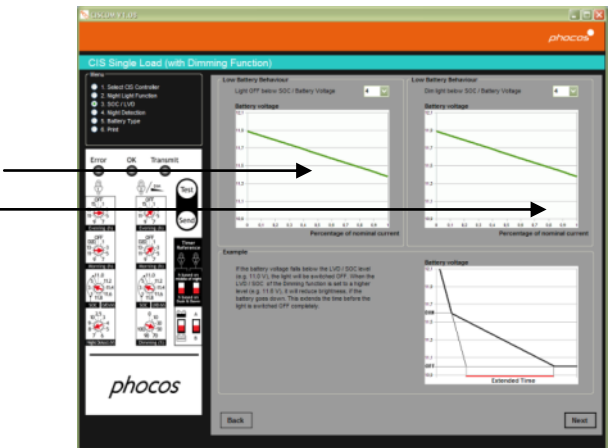


The settings displayed on this window will change the low voltage disconnect levels.

- CIS Dual Load
 - Graph 1: Disconnect level for light 1
 - Graph 2: Disconnect level for light 2



- CIS Single Load with dimming function
 - Graph 1: Disconnect level for the light
 - Graph 2: Dimming level



4. Night Detection

The screenshot shows the CISCOM V1.08 software interface. The title bar reads "CISCOM V1.08" and the "phocos" logo is in the top right. The main window title is "CIS Single Load (with Dimming Function)".

Menu:

- 1. Select CIS Controller
- 2. Night Light Function
- 3. SOC / LVD
- 4. Night Detection
- 5. Battery Type
- 6. Print

Buttons: Error, OK, Transmit, Test, Send.

Timer Reference: h based on middle of night, h based on Dusk & Dawn.

Settings:


- Night Detection Level: 8.0 V (default value is 8 V)
- If the PV panel voltage falls below the "Night Detection Level", the controller starts the night light program within two minutes.
- Day Detection Level: 9.5 V
- If the PV panel voltage rises above the "Day Detection Level", the controller stops the night light program within two minutes.

Recommendation:
For most cases the default value of 8 V works properly. For accurate settings measure the PV panel voltage at night at the location before changing the Night Detection Level.

Graph: A graph showing PV Voltage on the y-axis and Time on the x-axis. A parabolic curve represents the PV voltage over a 24-hour cycle. A blue horizontal line is drawn at 8.0 V, and a red horizontal line is drawn at 9.5 V.

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Back Next

- Standard setting: 

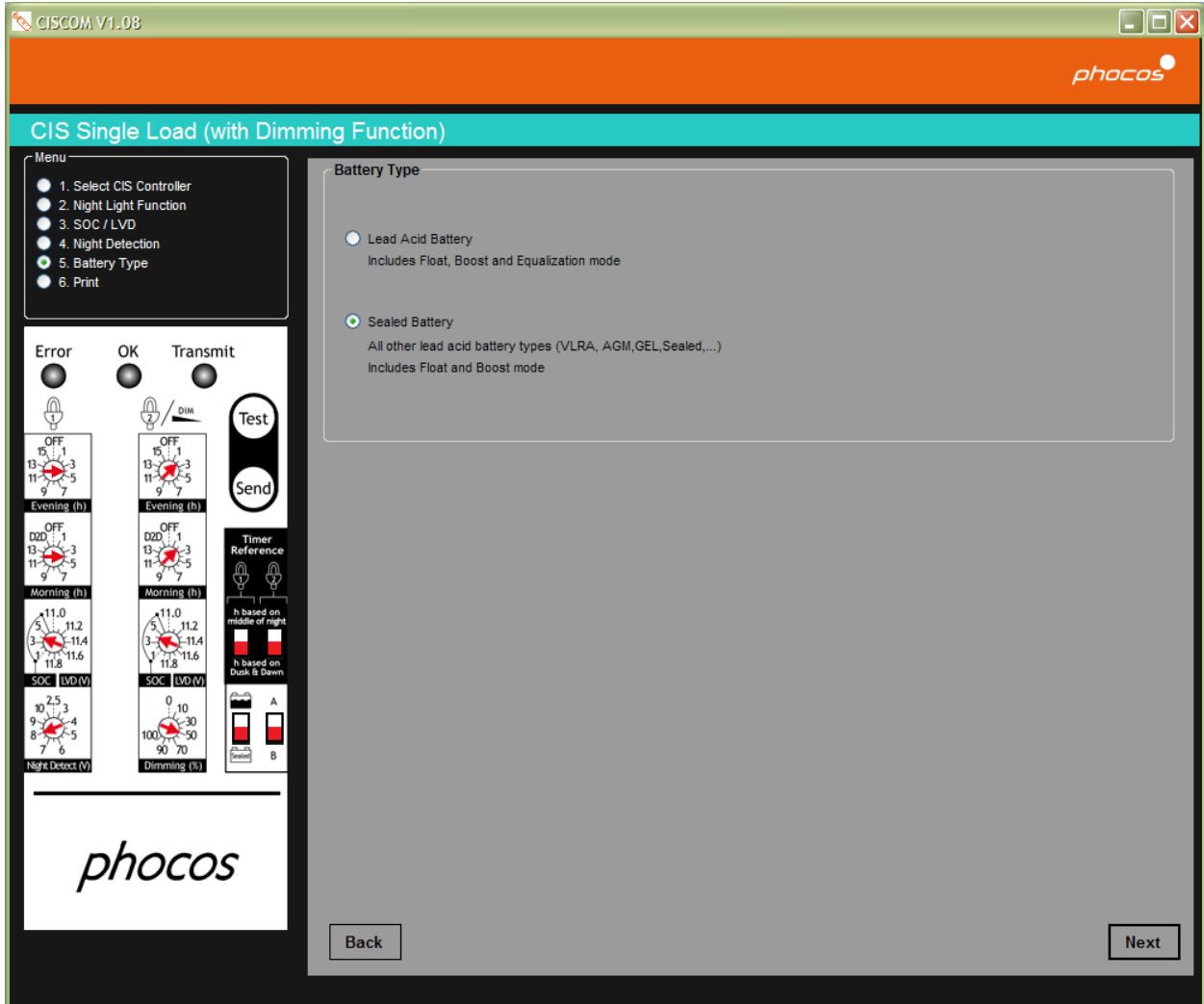
Warning

Do you really want to change the Night Detection Level? For most cases the default value of 8 V works properly. Please only proceed if you are sure about the impact on the settings!

Yes No

- Default value is 8.0V

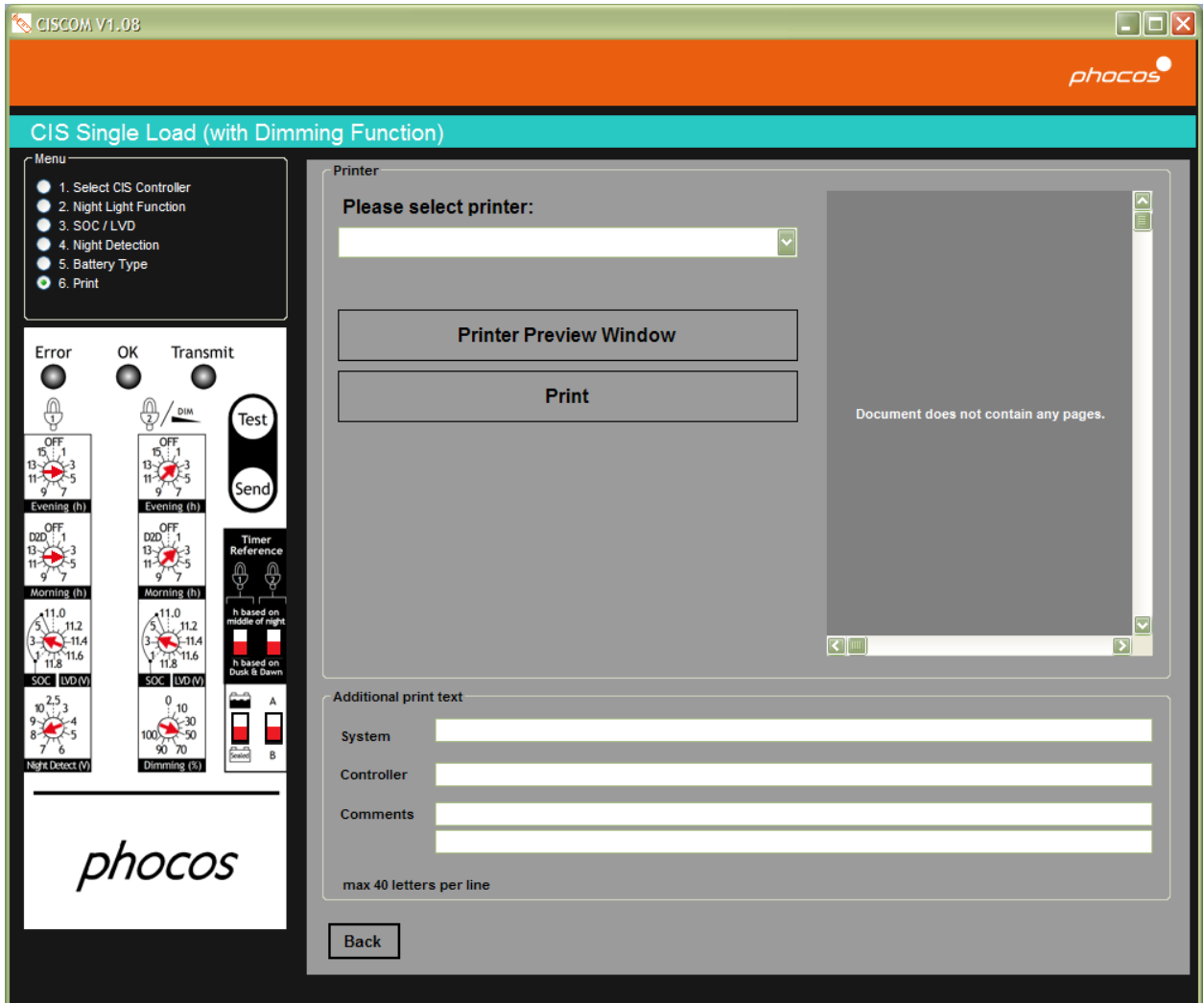
5. Battery Type



On this page you can select the battery type.

- Lead Acid Battery → 
- Sealed Battery →  displayed is a sealed type battery

6. Print



Here you can select a printer and print your individual CIS settings.

