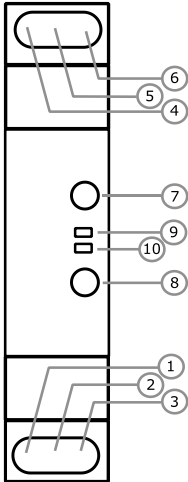


HAM SYSTEMS DinSwitch



1. Line in (L_{in})
2. Neutral
3. Neutral
4. Line out (L_{out})
5. $S0^+$ (input)
6. $S0^-$ (input)
7. On/Off button
8. Reset button
9. On/Off LED
10. Connection Status LED

$V_{in} = 230VAC, V_{out} = 230VAC$

$I_{out,max} = 2A, T_{amb} = -10^{\circ}C - 55^{\circ}C$

- Wi-Fi Network connection
- Time schedules
- Control through internet platform
- Turn on/off through network
- Energy consumption metering with external $S0$ module (DIN 43864)



SETUP INSTRUCTIONS

In order for the device to work, you will need a **Wi-Fi router** with an internet connection. If your router doesn't support **WPS**, you will need a smartphone with **Android** or **iOS** for the setup procedure.

Device installation should be performed only by professionals (such as electricians) with the electrical power disconnected

1. Disconnect electrical power.

2. (optional) Install an **S0** module.

3. Make the connections like shown on the diagram on the right.

4. Check your connections and restore electrical power.

5. Check that the device works properly by pressing the **on/off button** a few times. The **red LED** should respond and the connected load should be **activated/deactivated**. The **red LED** is lit when the output is activated.

6. Connect the device to the **Wi-Fi** router. If your router supports **WPS**, then push the **WPS** button to enable the **WPS** function. Press and hold the on/off button on the device for a few seconds until you see the **green LED** blink. If WPS is not supported use the **Android** or **iOS** app, choose the **Setup Device** option and follow the instructions there.

7. Check the device is connected to the router and the internet by looking at the **green LED**. If the device is connected to the HAM platform, the **green LED** should be lit.

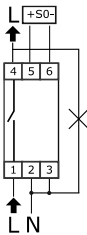
8. Connect to <https://hamsystems.eu> or open the smartphone app. If you don't already have an account, create one.

9. Using the option **Claim device**, input the device key that came with your device.

10. If the previous step was successful and the device is connected to the internet, then you will be redirected to the screen where you can control your device.

11. Check that the installation is successful by turning on/off the device output through the screen.

*In case there is an issues on the steps 5-10, try pushing the **Reset** button and wait a few seconds.*



USAGE

To use the device, visit <https://hamsystems.eu> or download the app for your smartphone.

For **Android**: <https://play.google.com/store/apps/details?id=com.ham.app>

For **iOS**: <https://itunes.apple.com/us/app/hamsystems/id1262469559>

You can **manually control** the device, even without a network connection, using the **on/off buttons**. By pressing the **reset button**, the device is restarted.

Some of our platform features are:

- Monitor energy consumption and view detailed analytics.
- Create interactions between devices in an If-This-Then-Than (IFTTT) format.
- Setup time schedules.
- Share device usage with other users.
- Secured communications with SSL.
- Organize devices in groups and floorplans.

SAFETY WARNINGS

- Device installation should only be performed by professionals to avoid the danger of electrocution.
- In case you didn't connect the device correctly it may be damaged or destroyed. Recheck your connections before restoring power.
- The device is designed to be installed in electrical panels where access should be restricted.
- The device is not protected for short-circuits and an 10A rated fused must be used.
- The device does not offer protection for overvoltage and overloading and it doesn't replace circuit breakers.
- Do not use the device to control critical appliances or devices that in case they are disconnected it may result in damages or death.
- For appliances rated above the rating of the device, you can use a relay. Do not connect high powered appliances like water-heaters, stoves etc. directly to the output of the device
- If the internet connection is lost, you will not be able to control the device remotely. Do not leave the device active unattended for long periods of time.
- Do not use the device to control the electrical supply of the device or devices that are required so the network can reach the internet, such as the **Wi-Fi router**.
- Do not take apart the device and do not use devices you have altered in any way.

TROUBLESHOOTING

The device does not respond to manual control with the on/off button

- Try resetting the device by using the reset button and wait a few seconds. Try a few times.
- Try to press the on/off button a few times. If the device is not responsive then reset and if it fails, try to reset the device by disconnecting the power.
- Try to reset the device to the factory firmware by pressing the reset button 5-10 times in a row with a ~1 second delay between the presses.
- Check if you have enabled the option for disabled local control in the device settings.

The red LED doesn't turn on or there is no power supply to the output

- Check your connections to the load.
- Check if the load is working by connecting it directly to power.

The green LED does not turn on and the device is reported as disconnected on the internet platform

If the green LED is not lit, then the device may be unable to be connected to the Internet Platform.

- Check your internet connection. If you don't seem to be able to access the internet through the Wi-Fi router then contact your Internet Service Provider (ISP).
- Check that the server is accessible at <https://hamsystems.eu> or open the smartphone app. If you are unable to access the server, try again after 5 minutes.
- Try to reset the device by using the reset button and wait a few seconds. Repeat a few times.
- Check that the device is connected to your Wi-Fi router. A way this can be achieved is by accessing the router's configuration page. If none of the above suggestions worked, then repeat the steps 5-6 of the setup instructions.

More in-depth documentation, help, declarations of conformity, instructions for the Internet platform, Terms and Conditions, Privacy policy and more are available at <https://hamsystems.eu>