Commissioning
Gigabit Ethernet Micro Switch Gen. 6   **MICROSENS**

Installation of SD Card

Before starting installation, please insert the supplied SD-Card into the 'card'-slot on the side (see drawing).
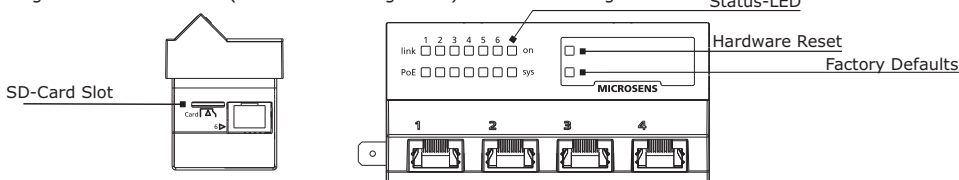
Installation and power supply

After connecting the power supply the switch is ready for operation with default values.

- For devices with integrated 230 VAC power supply the installation must be done only by qualified professionals. The correct assignment of the L- and N-wires and the earthing has to be respected (according to the drawing on the type label).
- For devices with 44-57 VDC power supply the correct polarity (+/- clamp description) has to be respected.
- Earthing of the device is always required.

Reset of the switch

There are two buttons on the left of the label field of the device (see drawing). By pressing the reset button (hardware reset) the memory and the MAC table are erased and all connections are reinitialized. The configuration of the device (switch and management) remains unchanged.

Reset to factory default values

If the 'factory defaults' button is pressed and released after:

- 2s 'sys' LED switches to static blue	- switch will trigger IPtool
- 10s 'sys' LED starts blinking blue	- switch will load factory defaults except IP settings
- 20s 'sys' LED turns to blinking magenta	- switch will load factory defaults including IP settings

If the button is pressed for more than 30 seconds, the lights turns green and no action is performed

sys-LED returns to off state, when button is released!

Assigning an IP address

For the commissioning of the network management the switch must be configured with a valid IP address. This can be done automatically via DHCP (factory default) or manually by using the 'Switch IP Config Tool' or the 'NMP Software'.

Use of the 'IP Config Tool'

The 'Switch IP Config Tool' is on our web page www.microsens.com available for downloading. After installation select the network interface which is used by the PC. Use of the IPtool requires that the device is connected to the same subnet as the PC running the tool.

- With the button 'MAC-based Device Discovery' all Micro Switches in the same segment are detected and listed.

User Levels for Management Access

After the successful IP configuration the network management can be accessed via web (http/https) and Telnet/ssh. The following user levels are available as default:

User	Passwort	Access	Description
public	microsens	read only	It is not possible to change any configuration
user	microsens	limited write	Write access to selected parameters, e.g. alias, time-setup, test-functions etc.
admin	administrator	full rights	All configurations can be made

Management Software NMP

With the Network Management Platform (NMP) MICROSENS offers a universal management software for the central configuration and administration of all MICROSENS devices. With the clear graphical visualisation and intelligent mechanisms the administrator is relieved from his work. The latest version can be found on our web page www.microsens.com for download. For use of the software a license key is required.

Firmware-Updates

For firmware updates, please check www.microsens.com. For further questions please contact our support at support@microsens.com