

## 1. List of the required components

- ISpac module series 9146, 9162, 9182
- Power supply device 24 V DC / minimum 200 mA
- Parameterisation set ISpac Wizard 9199/20-02, consisting of:  
USB memory stick containing ISpac Wizard V3.x, parameterisation cable, adaptor RS232/USB, brief instructions for parameterization, online help
- Additional documentation: Manuals of ISpac 9146, 9162, 9182

## 2. System requirements

- Operating system: MS Windows 7, 8, 8.1, 10, 11
- Minimum RAM: 4 GB
- Required HD space: 16 MB
- Interface RS-232 or USB 2.0 (or higher)

## 3. Installing and launching the ISpac Wizard software

- Existing software versions have to be de-installed in prior to the new installation.
- Connect the USB memory stick to a USB port of the PC. If the installation routine is not being started automatically, start installation by running file 'SETUP.EXE' on the USB memory stick. Follow the prompts on screen.
- Use the Windows settings to select the desired language.
- Launch the ISpac Wizard software.
- Set the COM port to be used for communication with the connected ISpac module in the Menu **Options → Interface →**.
- All module parameterization information is being saved in a project file. The content is displayed in the project overview. Create a project file: **File → New →**.
- If required, a program password can be set up. **Options → Password →**.

## 4. Configuration of ISpac modules

### Offline parameterization of ISpac modules

Parameterisation can be done initially without connected modules. The data is being saved to the project file. The data can then be downloaded to connected modules at a later time.

- Choose the required module type with menu **Edit → Add New →**.
- Confirm the proposed **Signal Tag** or rename it (max. 32 characters).  
**Note:** The signal tags are used to identify modules in the project file. That is why identical signal names are not permitted. Blank characters must not be used.
- Select the newly added module in the project overview and accomplish your individual settings.
- Click on the **Apply** button to save the data in the project file.

If you wish to apply the same configuration for several ISpac modules, an existing configuration can be duplicated with **Edit → Copy →** and **Edit → Paste →**.

### Online parameterization of ISpac modules

Connect the ISpac module to the 24 V DC power supply. The connection has to take place in accordance with terminal connection diagram or marking on the module enclosure.

- **Note:** Configuration with the software ISpac Wizard is possible only if the DIP switches S2 on the side of the module (9182/\*0-5\*-1 only) are switched to "OFF". Otherwise, the configuration can be read for archiving purposes with **Upload**. Only the signal tags can be changed.
- Connect the module to the PC by means of the parameterisation cable and the RS-232/USB adaptor.
- If the module is already stored in the project file, it will be displayed highlighted in green in the project overview. Otherwise, you will see the dialog box **Connected module doesn't exist in database**: confirm with **yes**, then confirm the proposed **Signal Tag** or rename it (max. 32 characters).  
**Note:** The signal tags are used to identify modules in the project file. That is why identical signal names are not permitted.
- The parameters saved in the module are displayed in the tabs and can be modified.
- Clicking on the **Download** button transfers the data to the connected module. Hereby the data is saved in the project file automatically as well as the module's serial number and revision.

### Transfer offline parameters

- Quit the dialog box **Connected module doesn't exist in database** with **No**, if applicable.
- Choose the desired module or parameter set in the Project Overview.
- The parameters stored in the project file are displayed in the tabs.
- Clicking on the **Download** button transfers the data into the connected module. The dialog box **Module name is different** has to be confirmed, if applicable. The module's serial number and revision is being updated in the project file.

**Note:** Download is only possible to a matching module type. If offline parameterization has been performed with an incorrect module type, it can be modified for type 9182 in menu **Edit → Convert Module**. Please verify that parameters are correct after the conversion.

### Project Overview

A system structure corresponding to the actual system configuration can be set up to provide greater clarity with menu **Edit → Add New →**. A total of three hierarchical levels are available here: **Plant**, **Cabinet** and **pac carrier**.

## 5. Diagnosis and monitoring

If a module is connected to the PC with the parameterization cable, the available diagnostic data of the module is displayed in a diagnosis window. In addition, a graphical monitor is available for display of measured values. The recording of measured values along with a time stamp into a text file can be activated for long-term observation in **Options → Monitoring →**. This file is being saved to the directory ISpac Wizard\monitoring\\*.txt.

### Adjust

If a module is connected to the PC with the parameterisation cable, the procedures as for example **2-wire calibration** and **Limit value reset lockout** can be performed in the adjust window.



## Getting started for the parameterization of ISpac modules with ISpac Wizard rev 3.04 or higher



### Log List

The most important operating steps of a set-up session are listed along with time stamps. The log is also saved as a text file to directory ISpac Wizard\Log\\*.txt.