

# Data logger

## Installation and operating instructions



Read carefully before installation, commissioning and operation

# Description of data logger

## 1.1. - Specifications

### Electrical specifications:

Protection class IP20

### Other specifications and dimensions:

Housing design 5-part, ABS plastic  
Installation method Wall installation  
Overall dimension 75 mm x 80 mm x 25 mm  
Light diode Two-colour LED lamp for function control

### Permissible ambient conditions:

Ambient temperature  
for controller operation 0 °C ... 40 °C  
for transport/storage 0 °C ... 60 °C  
Air humidity  
for controller operation max. 85 % humidity at 25 °C  
for transport/storage no moisture condensation permitted

### Other specifications:

Reset button  
Micro SD card slot  
Interfaces: Ethernet Port 10/100  
CAN bus  
Power supply: Plug-in power supply 100 - 240 VAC  
Output 5 V DC 1A via mini USB

## 1.2. - Scope of supply

- Data logger
- Wall mount
- Micro SD card
- Plug-in power supply
- CAN cable 1m
- 2x CAN terminator
- Data logger and SOREL Connect operating instructions

## 1.3. - Disposal and pollutants

The unit conforms to the European RoHS 2011/65/EU for the restriction of the use of certain hazardous substances in electrical and electronic equipment.



Caution

Under no circumstances may the device be disposed of with the normal household waste. Only dispose of the unit at appropriate collection points or return it to the seller or manufacturer.

# Installation

## 1.4. - Wall installation



Only install the controller in dry areas and under the ambient conditions described under 1.1. - „Specifications“. Follow the description below.

### C.1.4.1

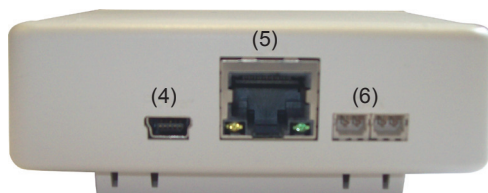
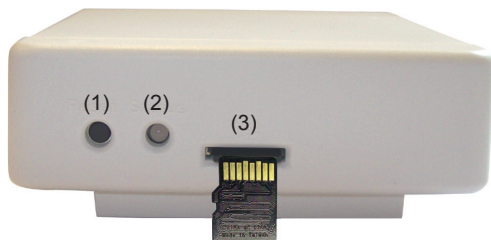


### C.1.4.2



1. Carefully pull the upper part of the housing from the lower part and set the upper part of the housing aside.
2. Hold the lower part of the housing up to the selected position and mark the 2 mounting holes. Make sure that the wall surface is as even as possible so that the housing does not become distorted when it is screwed on.
3. Using a drill and size 6 bit, drill 2 holes at the points marked on the wall and push the plugs in.
4. Screw the lower part on and hang the upper part on the lower part from above.

## 1.5. - Indicators and connectors



Insert the micro SD card into the card slot as shown (contacts above).

- |     |  |     |                      |
|-----|--|-----|----------------------|
| (1) | Reset button                             | (4) | Power cord connector |
| (2) | Two-colour LED lamp for function control | (5) | Ethernet             |
| (3) | Micro SD card slot                       | (6) | CAN bus (2x)         |

## 1.6. - Electrical connection

Connect the data logger with the AC adapter included and plug it into the socket. The data logger will start automatically.

## 1.7. - Status-LED

The two-colour LED lamp indicates the status and the operation of the data logger.

- |                       |  |
|-----------------------|--|
| LED lamp is green:    | Micro SD card is correct and CAN bus available |
| LED lamp is red:      | Micro SD card is not correct                   |
| LED lamp flashes red: | CAN bus is not correct                         |

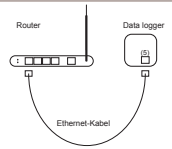


# Operation

## 1.12. - Connect data logger to internet



1. Connect data logger to router via ethernet cable (See. 1.10.).  
If your router is set as DHCP Server, the router automatically generates an IP address to the data logger. Check the manual for your router for help.



2. Connect data logger to controller by CAN bus cable. After that the data logger can be configured via the controller menu.

3. Search for the MAC address of the data logger, you will find it either on the bottom of the datalogger or in the controller menu  
>**Special function > Networking**  
> **Ethernet**.

Data logger



Controllermenu

Ethernet	on
MAC 00-50-C2-DB-70-55	
Auto config (DHCP)	on
	Info

Example:  
MAC address is 02-50-C2-DB-7F-FF  
-> DB7FFF (without "-") is the nabto address of the data logger

4. Enter address of your data logger in browser or app  
General format is XXXXXX.sorel-connect.net

Example:



Replace XXXXXX with the 6 digit code from the MAC address as described in 3.

b) Sign in with your login data.

c) In your Nabto app or in your browser, you now get an „Access denied“ message and your username will be displayed in the controller menu as described under 4. (see above).



**Make sure that you enter the 6 digit code without “-“!**



If the required user does not appear in the controller menu, repeat the connection attempt in your browser or app by pressing the refresh button.

# Operation

5. At the controller: go to Menu  
> **Special Functions**> **Network**> **Access control** and select one of 4 free users by „Add User“ with „OK“.

Normally this menu is empty, except „remove user“. The first connection attempt (see last step.) by a new User its user name automatically appears in this menu and can be selected, it is no input needed.



6. Now select the User and confirm  
Click „OK“. The user appears as an e-mail address (= Your user name name) in the menu.



1. a) To create an account, follow the link:  
Create account.


## Login

Please enter your email address and password to unlock your key and get remote access to other devices.

Email

Password

## Sign Up For Account

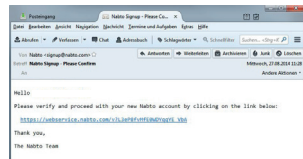
 You are about to create an account on the central server to give you safe remote access to your devices. Please enter your email address and choose a password of at least 6 characters to continue.

Next, you will receive an email with a verification link - this link will take you to the last step of the setup procedure to install a key and certificate on your computer.

Email

Password

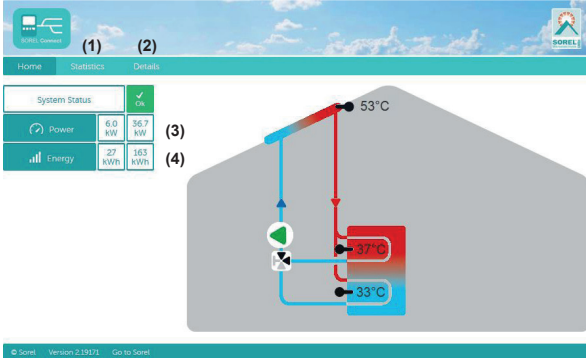
1. b) Confirm your e-mail address. Your account is only active when you confirm your email.



# Operation

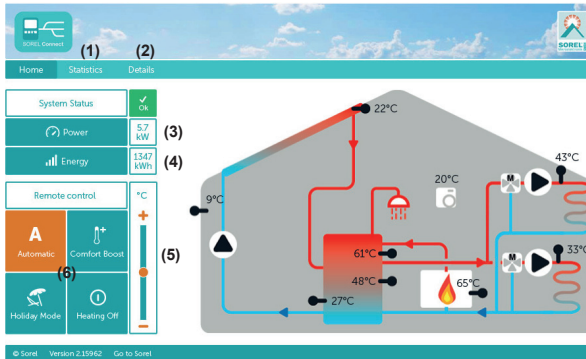
## 1.13. - Remote control

### 1.15.1. - Solar System



- (1) Statistical overview of the heat quantity.
- (2) Display of error messages and the current sensor and relay values.
- (3) Current heat output of the solar system in KW.
- (4) Current daily output of the solar system in kWh.

### 1.15.2. - Heating System



1. Statistical overview of the heat quantity.
2. Display of error messages and the current sensor and relay values.
3. Current heat output of the heat counter in KW
4. Current daily output in KW / hour
5. Remote controller for setpoint flow temperature.
6. Remote Control to control the system.

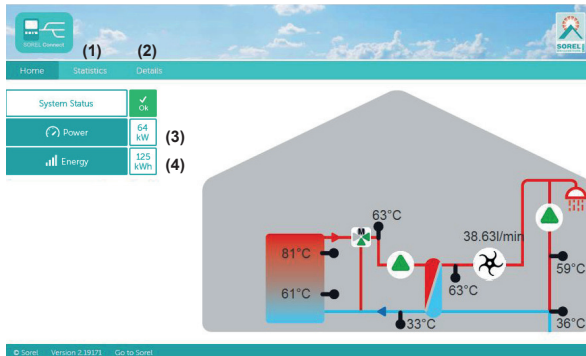
**Automatic:** Automatic mode - Time and temperature controlled operation.

**Comfort Boost:** turns the heating circuit (s) for 1 hour in the day mode with increasing comfort.

**Holiday Mode:** turns the heating circuit (s) in the permanent night setback and possibly turn off the DHW requirement.

**Heating Off:** turns off the heating circuit (s).

### 1.15.3. - Fresh Water System



1. Statistical overview of the heat quantity.
2. Display of error messages and the current sensor and relay values.
3. Current output in KW
4. Heat quantity of the day in KW / hour.

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Hydraulic variant set:

Commissioned on:

Commissioned by:

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Notes:

Final declaration:

Although these instructions have been created with the greatest possible care, the possibility of incorrect or incomplete information cannot be excluded. Subject as a basic principle to errors and technical changes.

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Your specialist dealer: