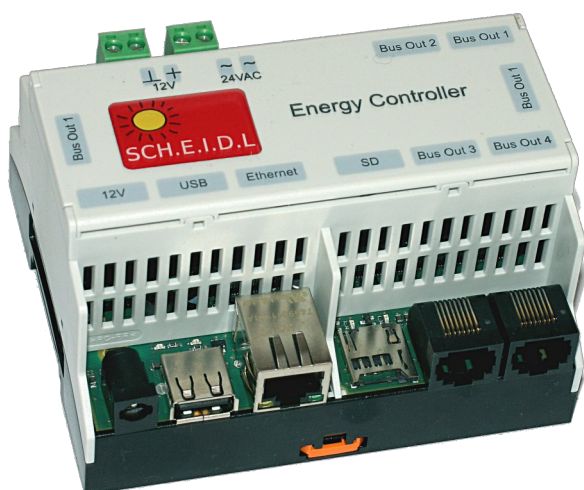


# Energy Controller Datenblatt Datalogger

Web-Monitoring of Thermal and Electric Energysystems



The SCH.E.I.D.L Energy Controller as Data-Logger is a powerful measuring instrument to optimize all types of heating and electricity-generating plants.

The operation and visualization of the entire system is easily reached from the network and PC in standard browsers, even on tablet or smartphone.

Such a system will become transparent! The functionality will be checked over all system components and in conjunction with each other. Based on this analysis, the system will be optimized.

In addition to running as a Data-Logger there are also steering controllers available for various applications.



## Operation and Use

- To analyze thermal and electrical systems with several heat generators or consumers, e.g. solar heat, cogeneration, photovoltaics, heat pumps, boilers, or even heat distribution
- Visualization of a lot of temperatures, electricity meters, heat meters, trends, conditions and hot water tank loading / discharge
- Data recording (monitoring) over several seasons to the total life of the system including a data backup
- Web remote access without installing any software, sending alarms in case of any problems via email or SMS
- Data and user passwords are kept solely within the device, no cloud server or portal is in use
- Several protected access levels, communication only via encrypted tunnel
- Excel export and variable manufacturer branding
- Detection of new sensors during operation, automatic installation by hot-plugging
- Bus usage reduce cabling costs to a minimum, everything is just plugged. No terminals, no individual wires, no polarity reversal
- Installation of Internet access just by plugging into a router - no configuration
- For snapping on DIN rails, housing for flat electrical cabinets
- Part number: 4 260376 260019

## Technical Specification

**Handling:** Browser via network on a PC

**Temperature:** for 12 digital sensors  
4 are packed with the base-package  
-55°C to +125°C  
0,1°C resolution  
Plug for digital bus  
50mm V2A sleeve, silicone cable

**Hot-water-tanks:** for 4 tanks  
with 3, 6 or 12 layers  
calculate loading / discharge power [kW]  
calculate contained energy [kWh]  
overall up to 12 sensors  
simple magnetic mounting

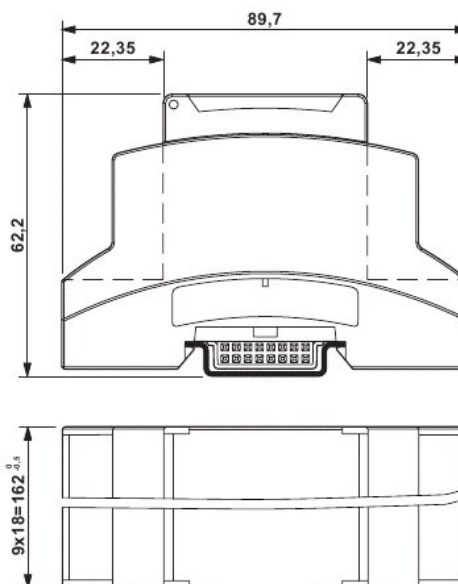
**Meter:** for 6 pulse-inputs S0-standard  
configurable weight and unit  
e.g. electricity, heat, natural gas, water  
consumption or flow

**State:** for 6 state signals on/off  
e.g. boiler, pump, maintenance, or error

**Recording time:** 20 Years  
with scan every 10s  
daily backup of all data

**Bus:** 4 in-/outputs  
each until max 50m length  
1-Wire protocol  
RJ45 plug according IPS standard  
with +5V 100mA and +12V 200mA

**Network:** 10/100Mbps Ethernet plug  
Internet access encrypted with a 2048-  
Bit certificate (military standard)



**Power Supply:** 12V DC max 630mA  
via power supply  
standby <2W max 7,5W

**Dimensions:** 107 x 90 x 63mm (6 TE)  
Polycarbonate DIN-rail housing

**Protection:** up to IP67 depending from cabinet  
protection class: I

**Ambient Temperature:** +10°C to +40°C

**Humidity:** 20% to 80% rel.  
non-condensing

**Installation:** DIN-rail according DIN EN 60715  
35 x 7,5 mm

**Declaration of Conformity:** CE standard for  
"unabhängiges RS" according DIN EN  
60730  
EMV according EN 55014-1 and EN 61000  
ElektroG WEEE-Reg.-Nr. DE 31037580  
RoHS and REACH

