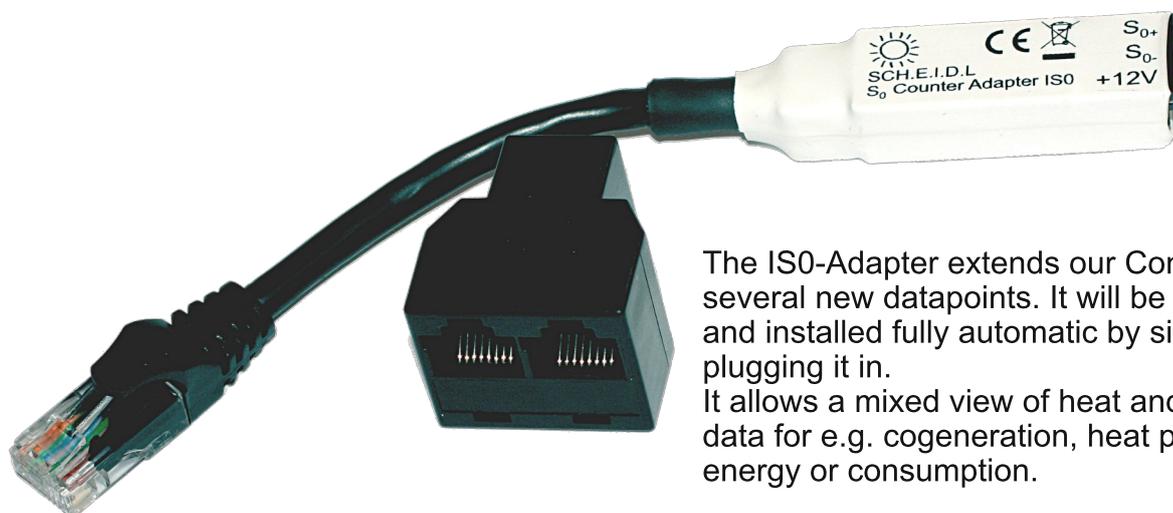




# Energy Controller Datasheet

## ISO-Adapter

Pulse input for electric, heat and other meter



An adapter to get S0-pulses from different types of meter. The pulses for electricity, heat, natural-gas, water consumption or flow will be monitored by configurable quantifier and unit, and therefor usable for heating and building service. Multiple of these adapters can be chained together, even mixed with temperature sensors.

The ISO-Adapter extends our Controller by several new datapoints. It will be detected and installed fully automatic by simply plugging it in. It allows a mixed view of heat and electrical data for e.g. cogeneration, heat pump, solar-energy or consumption.

Used as Data-Logger, the SCH.E.I.D.L Energy Controller is a powerful device for monitoring and optimization all types of building services.

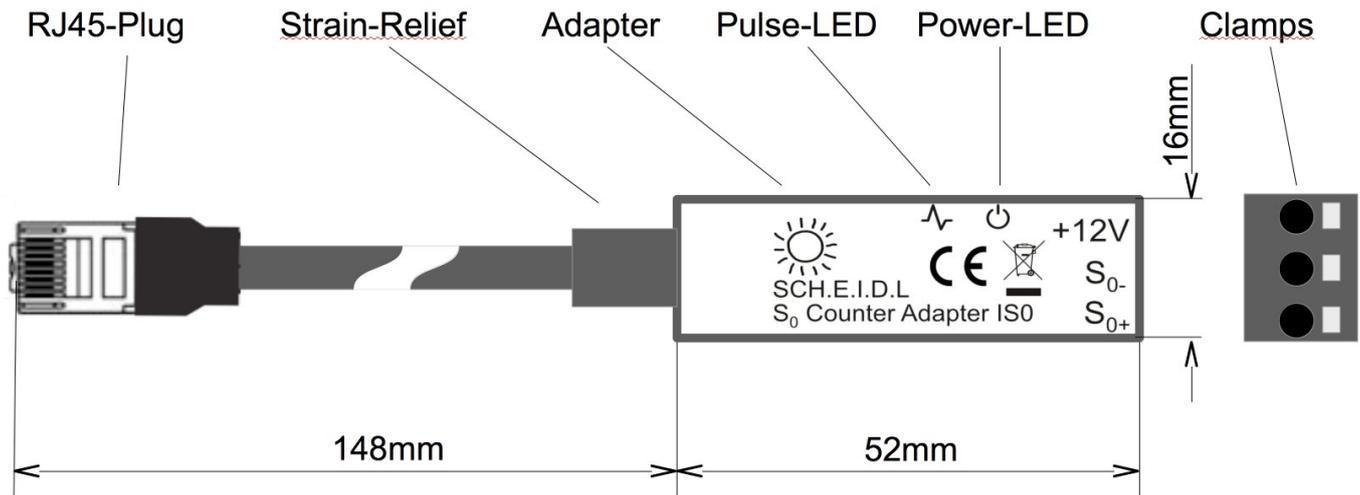
The ergonomic user interface is accessible via network on standard PC in normal browsers, or on smartphones and tablets. This makes each kind of facility transparent for analysis and improvement.

## Operation and Use

- Get two datapoints of a meter:
  - count e.g. el. energy in kWh
  - current usage e.g. el power in kW
- Scope of supply:
  - Interface, cable with plug
  - Y-adapter
- For all devices with isolated S0-pulse interface according to DIN 43864
- Also suitable for fast pulse sequences, for example, with vortex flow meter
- Additional voltage output for counter, LED or light barriers
- Not suitable for settlement, not calibrated
- Simple, fast and reliable mountable by plugging onto the 1-Wire bus
- Very small, don't occupy DIN-rail slots, fits in the distribution close to the meter
- Other adapters or temperature sensors are linked on the bus by enclosed Y-adapter
- Protected against reverse polarity, voltage and short circuit
- CE approved according the standards
- Part number:  
4 260376 260040



## Technical Specification



### Measuring Range:

above 4,6mA on  
below 3,3mA off  
pulse frequency max 500Hz

### Digital Sensor:

for 1-Wire Bus

### LED-Indicator:

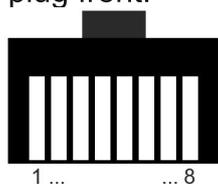
Power LED indicates operation  
Pulse LED flashes per trigger

### Plug:

RJ45 connector for digital bus, strain relief provides secure contact, with snap tab and bend protection, not suitable for permanent mechanical load (moving, tension)

Pin assignment of the plug front:

- Pin 2: +5V
- Pin 4: 1-Wire
- Pin 5: GND
- Pin 7: +12V



### Clamps:

S0+: positive pulses  
S0-: ground  
+12V: voltage output

### Voltage Output:

+12V max 50mA

### Power Supply:

+3V to +5,5V DC max 9mA  
+12V DC max 3,5mA

### Connecting Cable:

PVC-cable, black and round  
Heat resistant 0°C to +60°C  
Incl. Y-Adapter to concatenate sensors

### Dimensions:

0,2m length  
16mm width  
12mm depth

### Protection: IP30

### Storage Temperature: -50°C to +60°C

**Declaration of Conformity:** CE Standard for  
Electromagnetic Compatibility EN 55014-1  
and EN 61000

ElektroG WEEE-Reg.-Nr. DE 31037580  
RoHS and REACH

