

# Energy Controller Datasheet

## V2A-Temperaturesensor

Digital Sleeve-Temperaturesensor with Plug



High-quality digital temperature sensor for building automation, heating, air conditioning, and ventilation systems as well as in agriculture.

The V2A temperature sensor extends the SCH.E.I.D.L Energy Controller to an additional temperature-measuring point, which is simply installed automatically by a plug.

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.

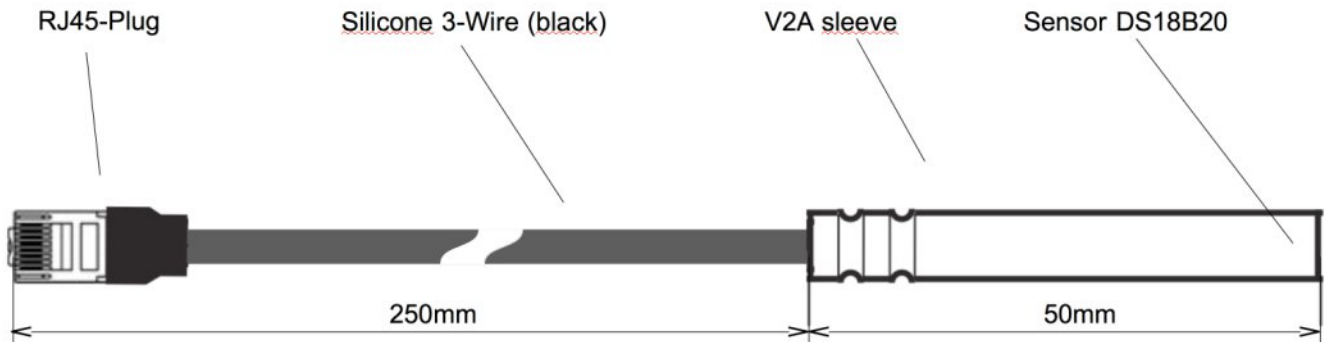
The ergonomic user interface is accessible via network on standard PC in normal browsers, or on smartphones and tablets. This makes each kind of facility transparent for analysis and improvement.

## Operation and Use

- For temperature measurement on pipes as a contact sensor or within liquids
- Scope of supply:
  - High temperature cable between a sensor and a plug
  - Y-adapter
- For universal use with any device supporting 1-Wire e.g. DS9490R via RJ45 adapter
- To expand the SCH.E.I.D.L Energy Controller by a single temperature datapoint
- Simple, fast and reliable mountable by plugging, no jamming of single wires, no reverse polarity
- Other sensors are on the same bus cable consecutively chained by supplied Y-adapter
- Silicone cable of high quality, resistant over the entire measuring temperature-range, sleeve is dual rolled V2A stainless steel
- Reinforced protection against electromagnetic disturbance (EMS). CE-approved with surge and burst according standards
- Part number: 4 260376 260026



## Technical Specification



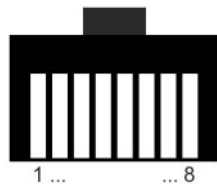
**Measuring Range:**  
-55°C to +125°C

**Resolution:**  
Resolution 0,0625°C  
calibrated to +/-0,5°C

**Digital Sensor:**  
Maxim DS18B20+  
mounted on tip in the sleeve  
for 1-Wire Bus

**Plug:**  
RJ45 plug for digital bus, strain relief  
ensures contact, with snap tap 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



**Power Supply:**  
+3V to +5,5V DC  
max 1,5mA, Standby 0,003mA  
via plug

**Connecting Cable:**  
Silicone-cable, highly flexible, black and  
round. Heat resistant -55°C to +180°C  
0,25m\* length towards bus connector

**Stainless Steel Sleeve:**  
Stainless steel material 1.4571  
50mm length, 6mm diameter  
dual rolled

**Dimensions:**  
0,3m\* length over all  
\*2m available on request

**Protection:**  
IP65  
Cable and plug not for use in liquids

**Storage Temperature:** -50°C to +125°C

**Declaration of Conformity:** CE Standard for  
Electromagnetic Compatibility EN 55014-1  
and EN 61000  
ElektroG WEEE-Reg.-Nr. DE 31037580  
RoHS and REACH