

Energy Controller Datasheet V2A-Temperature Sensor

Digital Sleeve-Temperature Sensor with Plug



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

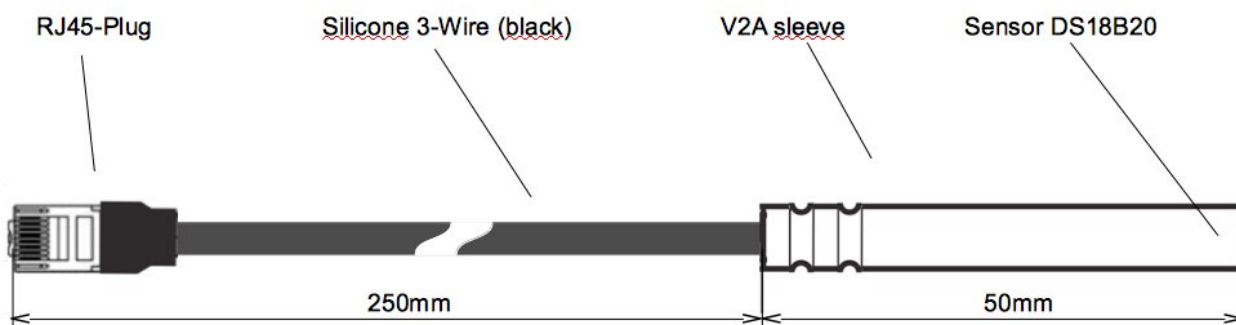
The ergonomic user interface is accessible via network on standard PC in normal browsers, or on smartphones and tablets. This makes each kind of facility transparent for analysis and improvement.

Operation and Use

- For temperature measurement on pipes as a contact sensor or within liquids
- Scope of supply:
 - Sleeve containing the sensor
 - High temperature very flexible cable
 - Plug
 - Y-adapter
- For universal use with any device supporting 1-Wire e.g. DS9490R via RJ45 adapter or to expand the SCH.E.I.D.L Energy Controller by a further temperature datapoint
- Worldwide unique ID address allows automatic identification and configuration
- Simple, fast and reliable mountable by plugging, no jamming of single wires, no reverse polarity, no screwdriver
- Further sensors can be consecutively chained on the same bus cable by supplied Y-adapter
- Silicone cable of high quality, heat resistant
- sleeve is dual rolled, resistant to corrosion, usable also in soil and durable under water
- 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

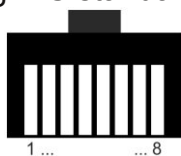
Resolution:
Resolution 0,0625°C
calibrated to ±0,5°C from -10°C to +85°C

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

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

Plug:
RJ45 plug for digital bus, strain relief
ensures contact, with snap tap and bend
protection, not suitable for permanent
mechanical load (moving, tension)
Heat resistant -20°C to 60°C
Pin assignment according IPS standard
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
must be put to GND if not needed

Stainless Steel Sleeve:
V4A stainless steel CrNiMo 1.4571
50mm length, 6mm diameter
dual rolled

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

Protection:
IP65
Sleeve and cable durable waterproof 1bar
Plug not for use in liquids

Storage Temperature: -20°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

