

**Reed- and Hall-
Sensing Solutions
for intelligent meters
in smart home
applications**

Smart meters and systems are used to measure actual energy consumption and use-time.

Advantages:

- Integrated communication systems are possible
- High efficiency and easing strain on electric grids

Applications:

- Commercial sector
- Energy providers and grid operators
- Smart home

**Smart meters and
measure systems with
Sensor Technology:**

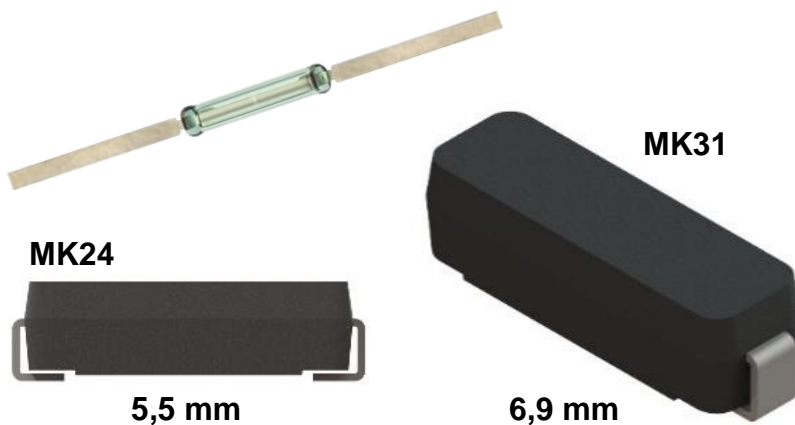
- Electric meter
- Gas meter
- Water meter
- Heat meter

Wide range of standard- and customized Sensing Solutions

As a global manufacturer with a worldwide presence Standex Electronics is the global leader in the field of customized Sensor Solutions. Reed and Hall effect technologies are based on different construction concepts. Both are controlled and activated by means of an external magnetic field – however a Hall effect sensor still requires an electrical circuit to operate, which needs power even when the sensor is in a passive state as its construction principle is based on the provision of an output signal. The Reed Sensor, on the other hand, is a mechanical switch that is only activated by a voltage pulse to switch a load. If it does not receive this pulse, it does not consume any power.

Standex Electronics engineers are available to discuss your requirements to find the best solution for your applications. Send us an email at salesemea@standexelectronics.com or call +49 7731 8399 0 to discuss your needs today!

Reed Sensor Solutions



Advantages:

- No power consumption
- Required no protection against electromagnetic discharge
- Use in a wide temperature range possible

Hall Sensor Solutions

Advantages:

- High repeat accuracy in signal measurement
- Long lifetime
- Suitable for high speed applications

