

Adapter for external supply of IoT sensor with radio output to Sigfox network

code: SP014



The SP014 adapter is designed to be used as an accessory for battery powered transducer with radio output to Sigfox net (Wx8xx series).

When installed in place of an existing battery, the transducer will be extended with an external power input. The transducer can then be powered from a [5V DC power adapter](#), an external large capacity battery, or a suitable solar battery system with a backup battery. The transducer with mounted adapter is designed for indoor or covered environment.

Adapter can be used for models [W0810](#), [W0811](#), [W0832](#), [W0850](#), [W3810](#), [W3811](#), [W7810](#)

Technical data

| | |
|------------------------------------|--|
| Input voltage | 3.6 V to 14.5 V DC (5 V by default) |
| Output voltage | 3.6 V DC |
| Continuous output current | max. 1 mA at supply 14.5 V max. 7 mA at supply 5 V |
| Peak output current | max. 150 mA |
| Output current limitation | cca 300 mA |
| Continuous power dissipation | max. 10 mW |
| Own consumption at 20 μ A | 3 μ A at supply > 3.6 V 25 μ A at supply < 3.6 V (eg a discharged external battery) |
| Wx8xx transducer start delay | max. 10 s after power supply connection |
| Short circuit protection of output | yes |
| Thermal overload protection | yes |
| Reverse polarity protection | no |
| Power connector | coaxial 2.1 x 5.5 mm socket at cable approx. 20 cm long |
| IP protection | IP65, power connector IP20 |
| Operating temperature | -20 to +50 °C (the supply cable must be secured against movement at an ambient temperature below 0 °C) |
| Maximum supply cable length | max. 10 m |