

Synergy in technics.



The planet you call home. Smart home with Smart Socket.

Smart Socket is intended for **non-billed power metering, monitoring, and control of electric devices in households**. It enables the **remote measurements** of electric power consumption, remote ambient temperature measurement, and **remote control** of the on-off state of various electrical devices **via the user's mobile phone**. The primary means of remote administration, monitoring and control with the user's mobile phone is via **SMS messaging**.

We strive to improve quality of life by providing innovative energy saving solutions.

How it works

A typical Smart Socket system contains one **Master Socket** (acronym MS), equipped with a **GSM/GPRS modem**, and several **Slave Sockets** (acronym SS). The SMS control messages are always sent to/from the MS. The MS then communicates with the requested SS via an RF communication channel. The brand new »out-of-the-box« MS accepts the SMS commands from any incoming phone number. The owner of the MS can define himself as an administrator using a special SMS command. In this case, the MS will not accept commands from other phone numbers.

Due to safety reasons, each important administrative SMS commands must be acknowledged by the MS or demand acknowledgement from the user.

Functionalities:

- Ambient temperature reading from any MS or SS
- Power-on, power-off of any electric device connected to defined MS or SS
- Power-on, power-off status reception of any electric device connected to defined MS or SS
- Measurements of electric power consumption of any electric device connected to defined MS or SS
- Definition of time delayed (or time defined) power-on, or power-off of any electric device connected to defined MS or SS
- Definition of temperature-related power-on, or power-off of any electric device connected to defined MS or SS (thermostatic operation)
- Combined timer + thermostat operation of the Smart Socket
- One MS supporting up to 32 SS

Appliances:

- Smart grids
- Household
- Weekend houses
- Cottages
- Caravanning
- Marine



Installation

In order to enable Smart Socket system operation SIM card must be inserted into MS using special SIM socket. Before SIM is actually used the PIN authorization must be turned off. This can be done by inserting SIM card into user's mobile phone and disabling PIN usage by phone software. Once the SIM has been PIN disabled and inserted into MS the following steps are to be performed:

- The MS should be plugged into 230V – wall mains socket
- The GSM LED will blink periodically when MS is connected to the mobile network
- MS is now ready to accept user commands via SMS.

Electrical characteristics

Reference voltage	230 V AC, 50 Hz
Reference current	16 A
Reference power	4 kW
Consumption	-3.4 W (15 mA) – Master Socket -2.5 W (11 mA) – Slave Socket

Mechanical and other characteristics

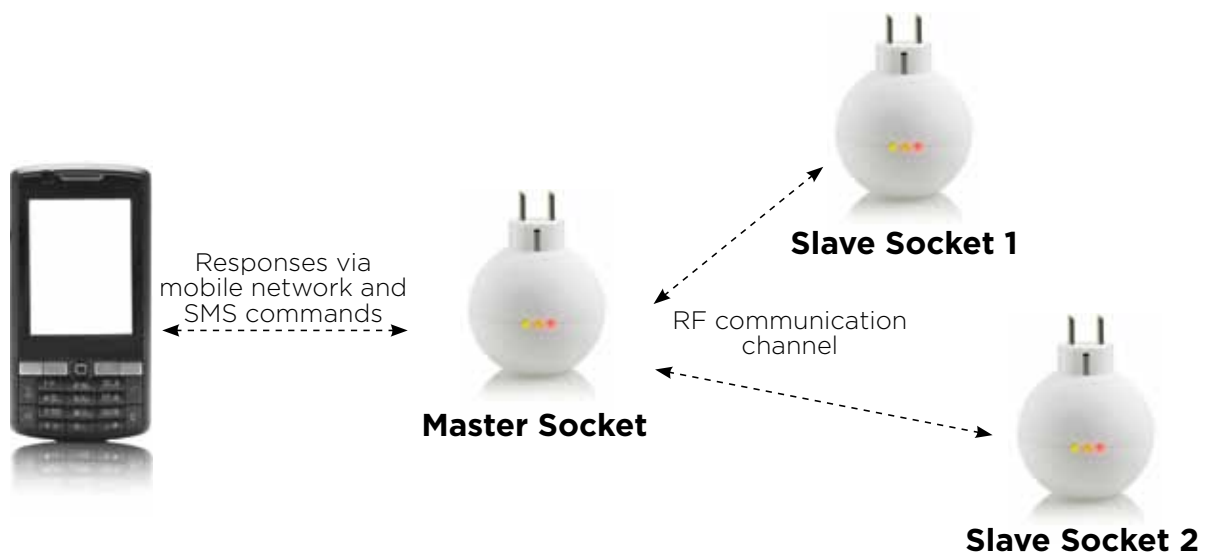
Operational temperature	from 0 °C to 55 °C
Operational humidity	from 5 % to 95 %, non-condensing
Storage temperature	from -20 °C to 70 °C
Storage Humidity	from 5 % to 95 %, non-condensing
Dimensions	90 x 90 x 120 mm (H x W x D)

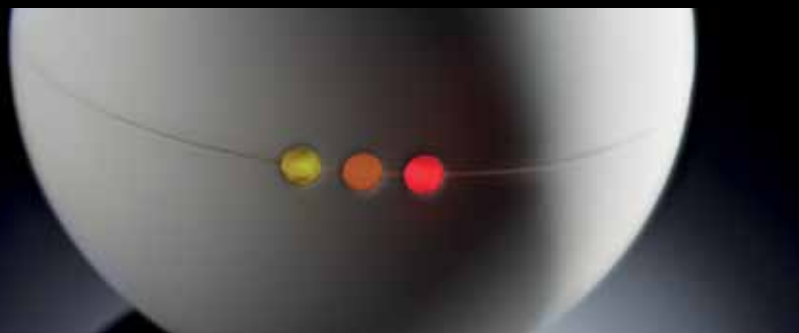
GPRS modem – Master Socket only

Band	Quad (850/900/1800/1900 MHz)
GPRS	CLASS 10

RF module

Band	315/433/868/915 MHz
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The primary means of remote administration, monitoring and control with the user's mobile phone is via SMS messaging.

Smartphone application with the GUI interface to inspect Smart Socket readings, measurements and statuses is available for the following mobile platforms:

- iOS (iPhone, iPad)*,
- Android*,
- Blackberry*.

Furthermore, Smart Socket web application is available to monitor the Smart Socket system using the following web browsers:

- Microsoft Internet Explorer 8/9,
- Mozilla Firefox 5/6,
- Google Chrome,
- Safari.

* Upon request.



STRIP's d.o.o. • Kandrše 7 • 1252 Vače • Slovenia • Europe

T +386 (0)3 567 07 70 • **F** +386 (0)3 567 07 80

E info@strips.eu • **W** www.strips.eu



Quality, as one of the most important elements, is manifested as great attention to quality assurance, as well as investment in quality management system. We are certified by ISO 9001:2008 and ISO 14001:2004.