

## Product pitch res-outswitching



### Preliminary: your daily routine

How often does it happen that you realize, after having left the house, you have all kinds of devices still running? How often is the device you need at the moment not plugged in? How often do you realize that this adapter has been connected to mains the whole week, without you requiring any use of it? How surprised were you when you heard about the standby power consumption of some of your home appliances? With res-out switching you can deal effectively with this kind of daily hassles. With one push of a button, or from your smartphone/iPhone, you can turn off all standby power at once.

### What is it

The res-out unit is mounted nearby the breaker box, and can be controlled by a separate wall touch switch, located outside the locker. The system switches one or more circuit breakers and groups. In addition to the res-out groups, there is a by-pass, handling devices (fridge / freezer or the alarm system), for which power switching is not desirable. The system meets current safety standards and all groups remain protected by one or more circuit breakers as provided. Res-out enables significant savings in standby power loss by simply switching power supplies, appliances and applications off completely, by means of a design wall touch switch. In addition, res-out can be controlled by an Android/iOS app. Estimated yield is 5 to 8% of total energy consumption for a typical home or residential building. This depends on the end user, who could decide to use it during daytime, but also at night.

### Why is it necessary

How to most efficiently use energy, is an issue that's currently at stake, but takes some time to become fully aware into everyone's consciousness. There are lots of reasons for this matter, and part of it is pragmatic. Being prepared to think of a solution for what is obvious a problem, doesn't ensure a change in behavior. People like practical solutions for daily hassles or problems. Standby power is an ongoing subject that on a larger scale has a vast impact on our environment, and on a minor scale could save some money and reduce everyone's carbon footprint. To connect your home to the 'green' grid is no alternative here, as there is nothing 'saved'. With res-outs switching, standby power loss can be reduced by up to 70%. This does not require a modem, as res-out sets up a micro low power Wi-Fi network itself.

### Who might make use of it

Owners and occupants of a dwelling don't need all of their electricity applications to be plugged in 24 hours a day. In daily life a resident of an apartment will only rarely, during a vacation for example, look after all outlets, let alone at night, before going to sleep. Every person or household who realizes that there is actually only 60 to 30% time spent using appliances and applications in his or her house could make use of res-out switching.

### Final requirements

Res-out can be installed in only a few hours, but some planning and preparations are needed. Besides there are precautions to be taken. In order to prevent that safety requirements are no longer satisfied the circuit breakers are maintained. The end product is reliable, easy to install, and sold in a sustainable packaging, with CE/RoHS2 marking and built-in in a 100% recycled enclosure. A manual is included. The return on investment for an end user is estimated at 2 or 3 years. The final product should cost no more than €200,00.