



TELETASK
trendsetter in domotics



ENERGY MANAGEMENT WITHOUT WORRIES

In an ever-changing society, we all want to save, use sustainable products and apply environmentally friendly solutions. Thanks to the use of new technologies such as TELETASK home automation, we can achieve significant savings in every modern home and building. Reducing the ecological footprint through efficient energy management is achievable for everyone. TELETASK ensures the full integration of techniques as the ultimate step to take towards simple to advanced energy management.

Predicting how much a TELETASK solution can save is not easy. Thanks to the integration of systems, energy management and savings will certainly be higher than with any other solution. Without the residents having to sacrifice comfort, useless energy consumption is a thing of the past. The environment, the community and not in the least your wallet will benefit if your system switches on your large consumers, fully automatically, as much as possible when the energy cost is low or even free of charge. In addition to optimizing your own consumption, the system also ensures that, also the peak load on the grid is limited as much as possible. Functions that cannot be controlled manually or with a simple timer.

Thanks to the TELETASK system and the integration with the smart meter and

more complex energy systems such as photovoltaic panels, heat pump, boiler, home batteries, electric vehicles with their charging device, etc., the residents themselves hardly have to take any action.

When you are not at home, the system will not switch on the heating/cooling for breakfast. It also makes no sense to switch on the heat recovery fans immediately in the event of an increased CO2 measurement while you are snorkeling at your holiday destination. The alarm system must then of course be active, but the Hifi, TV, coffee maker, Wi-Fi router and sockets with all kinds of chargers do not have to be under voltage. So energy management automatically also means safety and comfort. The TELETASK system saves where possible. Even when you are not thinking about it or in your absence or while you are sleeping... or dreaming of white beaches.

VISUALIZATION

The TELETASK system has various options for visualizing the consumption and yield of energy. For example, you can consult the yield of your photovoltaic panels on a keypad or touch screen. Or maybe you want to see what it was like yesterday, last week, month, year? No problem. Even graphs are possible. Moreover, you can consult and adjust just about everything on your smartphone.



TDS12340BE P1 Digital Meter Interface





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MORE THAN ENERGY SAVINGS

One can also expect a longer lifespan from lamps and all electrical appliances that as a result are under voltage for a shorter period of time. In addition, there is no risk of fire due to short circuits and overload when the appliance is switched off. There is even no voltage left on the wiring to the appliance, because all power circuits are made centrally in the electrical distribution board and not at the push button or the socket, as with a traditional electrical installation. Dangers in TELETASK push buttons are also a thing of the past because these operate on an extra-low voltage of 12V (instead of the traditional 110/250V)..

PROFESSIONAL USE

The applications are similar to the residential ones, although of course greater savings can be made here. In many cases this quickly adds up to savings of many Megawatt hours of consumption per year. Also don't forget the extended life of the connected equipment. As a result, there are of course also a lot less maintenance and replacement costs. The return on investment is high. In a building of 2000m², the savings in 20 years can easily amount to several tens of thousands of euros, plus the extra comfort and safety.

This is the savings equivalent of approximately 200MWh, which also represents a CO₂ equivalent of no less than 1750 trees (source U.S.DEO-Department Of Energy – see also www.epa.gov)

SELF CONSUMPTION

Obviously there is also the self-consumption of a TELETASK system. For a typical installation in a single-family home, this is approximately 20Watt (=175KWh/yr). This is about €52/yr at a cost of €0.3/KWh). This can of course be higher for large installations, but it is always limited and subordinate to the savings. Partly thanks to the 'zero power' relay interfaces from TELETASK (ref. TSD13510), consumption remains extremely low compared to many other systems. These interfaces consume virtually no energy in both the ON and OFF positions. They only require a short burst of energy when switching.

The purchase price of such an interface is obviously slightly higher than for a non-zero-power type, but the difference is already earned back after a few years.

FUTURE-ORIENTED DEVELOPMENT

The built-in TELETASK intelligence improves almost every day and upgrades are regularly available. Every TELETASK owner can upgrade to the latest software version and stay in sync with the evolution. In addition, changing customer requirements can always be customized by the system integrator. This can be done at the customer's location or remotely (DoIP) over the internet without the integrator having to go on site. Thanks to the existing TELETASK DoIP concept, every TDS home is ready for the future and you can grow and upgrade in a modular way if ever needed.