

# Better ErP classifications with OpenTherm

As of the end of September, manufacturers of heating systems of up to 70 kW are required to affix ErP labels to their products. The labelling system gives users a reliable indication of the energy efficiency of products. Similar to the mandatory sticker on domestic appliances, this label will be a decisive factor in the purchasing considerations of customers. It is therefore essential for manufacturers to score the highest possible efficiency class. OpenTherm® offers many economical and technical opportunities to benefit from this new European regulation in a cost effective way.

## GAIN A CLASS WITH OPENTHERM!

As of 26 September 2015, only ErP-compliant products may be sold. The procedures aim to raise consumer awareness concerning energy and has the objective to reduce the energy demand for private individuals. Influencing the purchasing decision is of essential importance. The new ErP label for heating shows the efficiency class on a scale of A+++ up to G. Most boilers will get the A or B label. By combining them with sustainable systems such as a solar water heater or a modulating thermostat, the system label could gain one class!

When selling a combined heating solution, the complete system will get one package label. Thermostats are regarded as part of an installation as well. When a modulating thermostat is sold together with a modulating boiler, this will yield 5% bonus points in the calculation of the package label. As a result, a package can acquire a more favourable label. This will affect the decision of consumers, who, in this digital age, will prefer flawless speed in communication and proven savings on energy bills.

## WHERE DOES OPENTHERM COME IN?

OpenTherm is a proven open protocol developed for HVAC systems specifically to improve the efficiency of the system. As an open standard, OpenTherm works with the majority of brands of modulating boilers and thermostats, as well as with hybrid systems such as solar collectors, ventilation systems and heat pumps.

## OFFER ADDITIONAL SERVICES

OpenTherm works without batteries. The bidirectional communication with the HVAC system allows better functionalities and gives information about the status of the boiler to the room thermostat. This offers a lot of advantages for example for smart thermostats. Not only users have benefits, also installers and boiler manufacturers could offer additional services by remote access to the heating system via OpenTherm. The system consumes less energy due to the efficient modulating regulation, and fewer pollutants are emitted because of the improved combustion technology.

## THE OPENTHERM ASSOCIATION

OpenTherm association is a the non-profit organisation with more than 50 members from over 15 countries. It has continually developed the protocol since 1996. Members allow the creation of a protocol that meets all demands of manufacturers regarding functionality, reliability and applicability. A proven open standard continuously adapted to the latest developments. Its high flexibility makes it possible to implement manufacturers' specifications. OpenTherm supports manufacturers to achieve the highest efficiency ratings and to comply with new legislation for Energy Related Products.

*Interested in more information of the advantages of OpenTherm?*

*Visit the website: [www.opentherm.eu](http://www.opentherm.eu)*