

SWIG Awards 2015

Product Category

Product Title: Zeta 02 pump controller



What:- A low energy automatic pump controller, for use with a wide range of pressure pumps, both submersible and surface.

Why:- There are numerous products on the market that perform the same function, but all have a significant stand-by energy consumption, typically in the range of 8 – 15 watts. In many applications, including rainwater harvesting systems, such devices are permanently powered, even though the amount of time in operation (i.e. powering the pump) is relatively very little. This can amount to a significant amount of energy consumed over a long period. For example, a unit with a 10w stand-by consumption would use **87.6kw** per year.

The *Zeta 02* unit consumes only 0.2w in stand-by mode, so by comparison would use only **1.75kw** over the same period. This results in a significant saving in running costs and CO₂, so benefitting both consumer and the environment.

The unit has been developed to satisfy the strict requirements of the forthcoming *EU Ecodesign Directive*, which states that stand-by power use must not exceed 0.5w. Whilst the Directive does not yet apply to pump controllers, the *Zeta 02* is already compliant and is has the lowest energy use of any such product on the market.

How:- The *Zeta 02* has been developed by German manufacturer Wisy AG in partnership with the Centre for Research and Transfer at Mittelhessen University of Applied Sciences. The product incorporates innovative electronic circuitry that significantly reduces the amount of energy used.

Costs:- The unit currently costs £145 + vat in the UK. It can fit directly to the outlet of the pump, or for use with submersibles, can be wall mounted.

Date of UK Launch:- The unit was first released in the UK in August 2014 by Rainharvesting Systems Ltd.

Regulations:-

EU Directive 2006/95/EC (Low Voltage Directive)

EU Directive 2004/108/EC relating to the electromagnetic compatibility of electronic equipment.

EU Ecodesign Directive 2009/125/EC

Approval:- CE marked

