emonHP – DHW Status Retrofit Upgrade

Upgrade kit to add DHW status monitoring to existing emonHP system

DHW status sensor allows separate space heating and DHW COP/SCOP to be calculated in addition to the combined COP/SCOP.

Kit of parts

- EmonTx V5 Datalogger
- Optoisolated 240V sensor
- USB-C to USB-A cable

Note: DHW sensing can only be used on AC powered diverter valves, it cannot be used to detect the position of DC diverter valves e.g Viessmann 150A/15

Warning: The installation of this mains-powered electrical device should only be performed by a competent person in accordance with local electrical codes and regulations. Improper installation may result in serious injury, including electrical shock, fire, or damage to the device and surrounding property. OpenEnergyMonitor is not responsible for any damages, injuries, or liabilities arising from incorrect installation or unauthorized modifications. Always ensure the power supply is turned off before beginning any installation or maintenance work.

Installation

- Plug the 3-pin green terminal block connector into the **ADC input on the emonTx**, see Fig2 >

- Connect the 240V wire of the DHW status box to the **Neutral and Switched Live** (usually black wire) of the diverter valve. It's usually convenient to wire these connections into the same terminal on the heat pump controller

- Plug the USB-C cable into the emonTx V5 and the USB-A cable into **any USB port on the emonHP**

Activation

Once installed, please contact us and quote your emoncms .org username to activate DHW sensing on your system.

Contact

Phone / WhatsApp: **01286 800870**
Email: **support@openenergymonitor.zendesk.com** | Forum: **community.openenergymonitor.org**