Viessmann DHW Status Detection

Viessmann 150A/151A heat pumps have an internal DC driven 4-way diverter valve. This means we can't detect the diverter valve in the usual way by detecting a 240V signal controlling a traditional 3-way diverter valve.

For Viessmann heat pumps, it's possible to detect the DHW status by configuring the DHW circulation pump output to turn on when the heat pump is in DHW mode, then connect the OpenEnergyMonitor 240V DHW status to the DHW circulation pump output.

Note: This method only works if DHW circulation pump output is not already being used.

- IDI 121 Ep1 IN CON COEN 171 143 63 05 171 143 P2 40 N 🕀 L 54321 N 🕀 0 N * AC 1 3/N/PE 1/N/PE 230 V/50 Hz Danger Danger Gefahr Un choc électrique p An electric shock of Ein Stromschlag kann être mortel. Avant be life threatening. lebensbedrohend sein. d'accéder aux borne Disconnect all supply Vor dem Zugang zu den raccordement, mettr circuits before Anschlussklemmen alle
- 1. Connect the DHW 240V status sensor to port P2 in the 240V connection box located on the underside of the 150A

2. In the Viessmann commissioning settings, **enable the DHW circulation pump output**:



3. Enable setting 497.1 & 497.2 "Hot water circulation pump for hygiene" and "Hot water circulation pump for hot water operation" in service mode settings: Setting > Service (password "viservice")> System Configuration > DHW:



4. **Clear all DHW circulation pump schedules** under "Time program for DHW circulation" found in the user settings. This is what the DHW circulation pump schedule page should look like when all the schedules have been cancelled:



The circulation pump output should now be active (240V present on P2) when the heat pump is actively heating DHW. This will now result in DHW cycles being correctly identified on the MyHeatPump graph e.g

