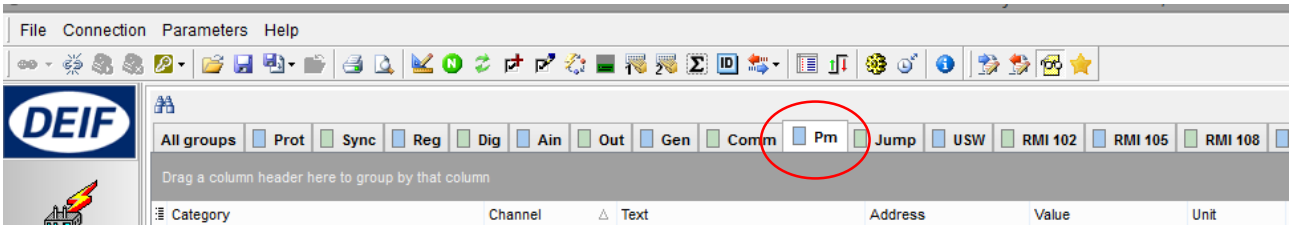
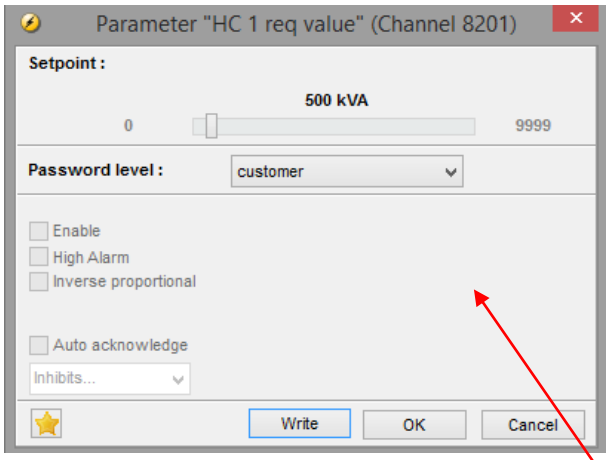
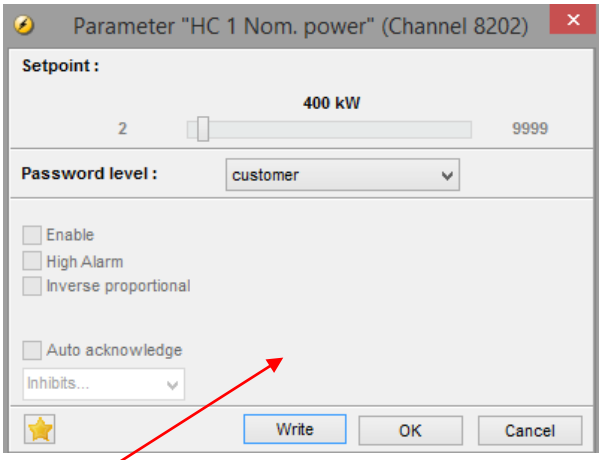
Setting up the HC with fixed feedback

In the USW tab the “Pm” fan

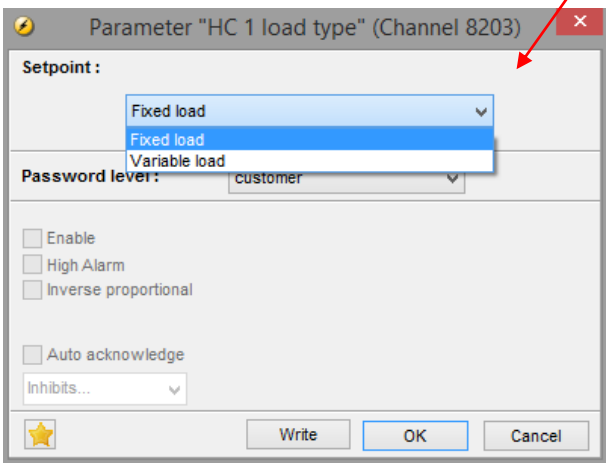


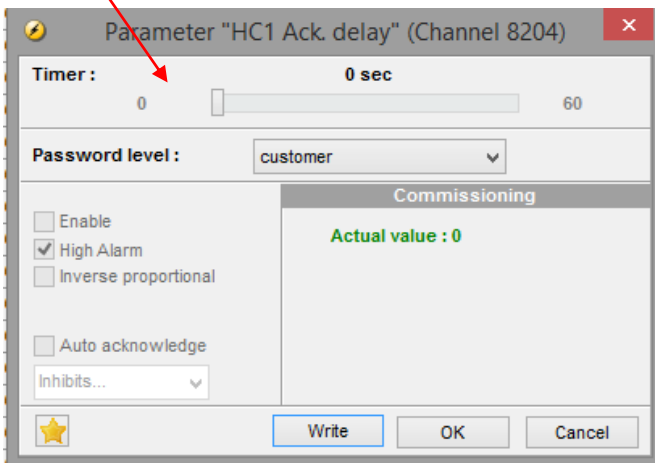
Under the “Pm” fan you will find the parameters for the heavy consumers (HC). From firmware version 3.08.0 you are able to configure 4 pcs of HC’s. Below is explained what the different parameters covers.





8174	Fuel optimise	665
8201	HC 1 req value	1201
8202	HC 1 Nom. power	1202
8203	HC 1 load type	1203
8204	HC1 Ack. delay	1609
8211	HC 2 req value	1205





Parameter description:

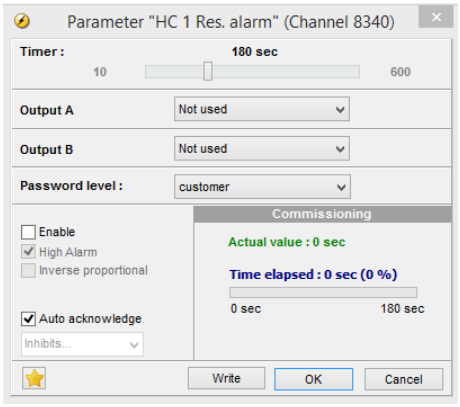
8201 - HC 1 req. value: This is the HC request value. This value is normally set higher than the normal size of the HC in order to meet the start current.

8202 – HC 1 Norm. power: This is the parameter in which the size of the HC is set.

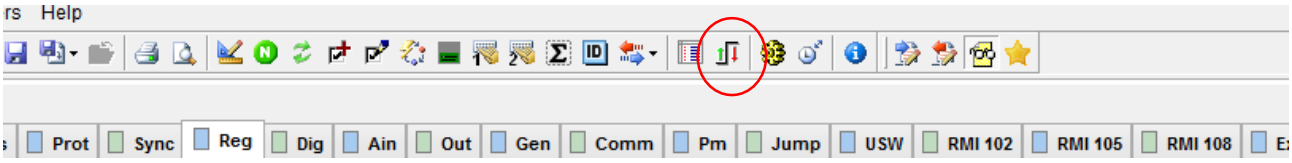
8203 – HC 1 load type: In this parameter you set up if which kind of feedback you're going to use. If the HC isn't load variable then the "fixed load" is chosen and a binary input is used as feedback.

8204 – HC 1 Ack. Delay: If a delay on the acknowledged signal is desired it's set in this parameter – up to 60 sec.

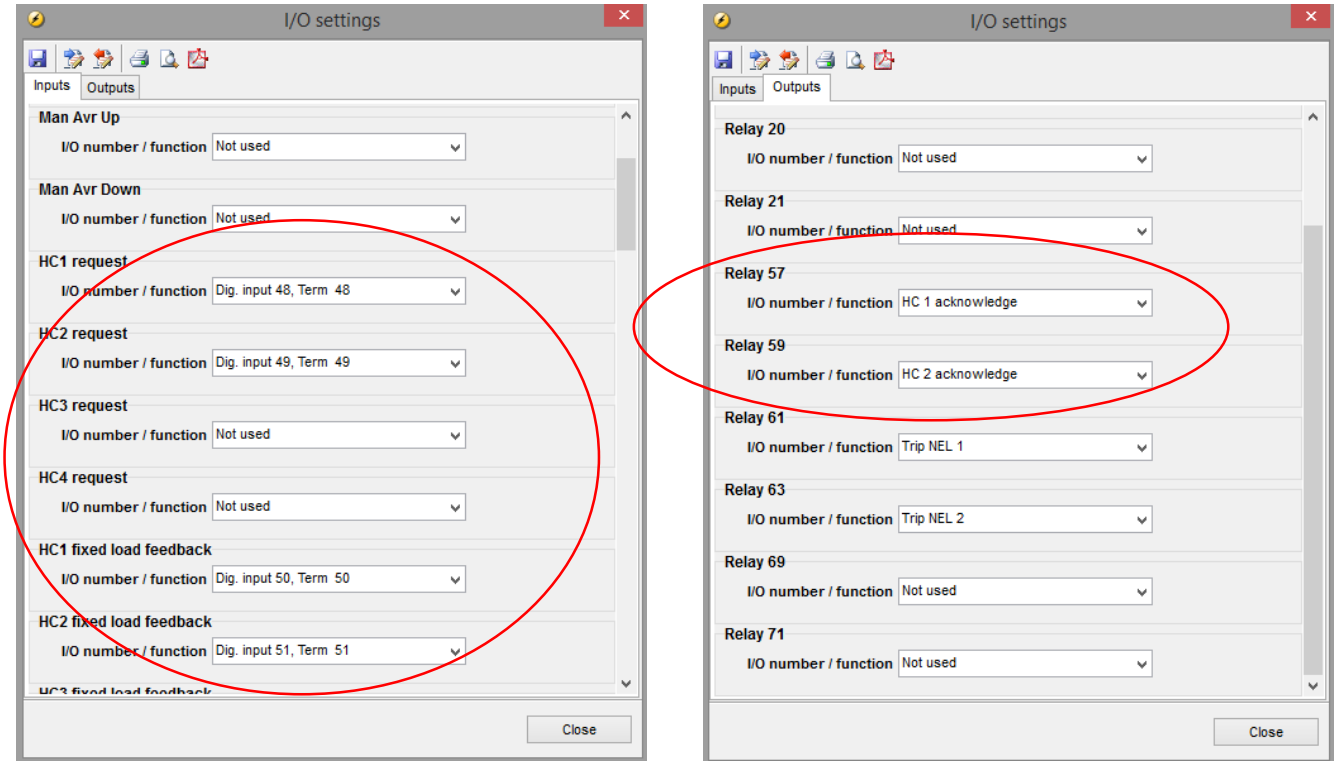
It's also possible to set up a reservation alarm for the HC. In parameter 8340 it's set up and enabled. If used the alarm will occur if the reservation hasn't been able to make within the timer in this parameter. Setup shown below.



The digital inputs/outputs are configured in the input/output settings by tapping the icon marked in the picture below

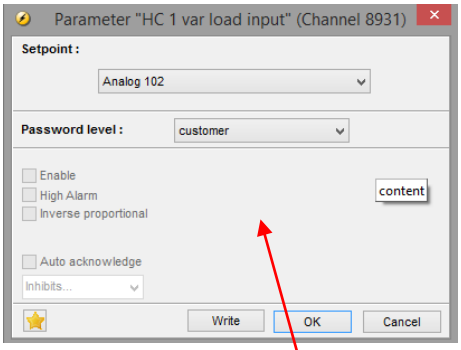


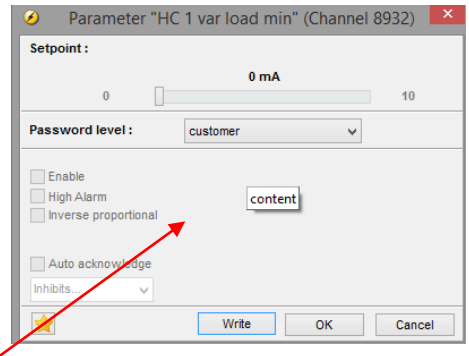
The default configuration is shown below, but it’s possible to setup the request, feedback and acknowledged signal to other inputs/outputs.



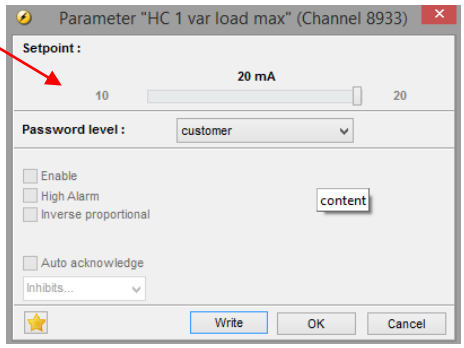
Setting up the HC with variable feedback

Setting up a HC with variable feedback parameters 8201, 8202, 8203, & 8204 still have to set. Parameter 8203 however has to be set to “variable load”. You also have to setup parameters 8931, 8932 & 8933 – explanation is given below.





8926	Mi. no. run PTH	1642	1	
8931	HC 1 var load input	1229	0	
8932	HC 1 var load min	1268	0	mA
8933	HC 1 var load max	1269	20	mA

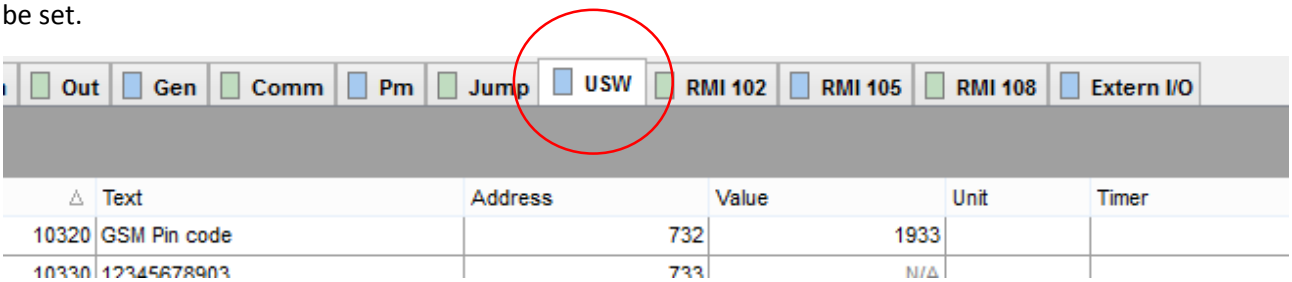


Parameter description

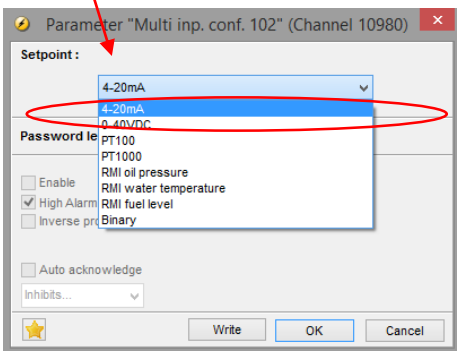
8931 – HC 1 var load input: In this parameter it’s chosen which analog input is going to be used as the feedback. The multi inputs are standard, but it’s also possible to get an analog input card for the PPM-3.

8932+8933: These parameters is used for a minimum/maximum current setting of the feedback.

If a multi input (102, 105 or 108) are chosen in parameter **8931**, parameters under the USW fan also has to be set.



	Text	Address	Value	Unit	Timer
10320	GSM Pin code	732	1933		
10330	12345678903	733	N/A		

If eg. Multi input 102 is chosen for the feedback signal parameter **10980** has to set as shown below

10970	Engineering units	797
10980	Multi inp. conf. 102	798
10990	Multi inp. conf. 105	799
11000	Multi inp. conf. 108	800