

# BrunataNet Converter HG<sup>+</sup> for HGQ / S / W / HGP-SIV

Installation guide

Version 1.0

UK-QB10.1469/15.12.2009

*Brunata is a 100% Danish owned company.  
We have more than 90 years of experience  
within developing and producing heat cost  
allocators, heating accounts and meter  
service. Our quality system meets DS/EN  
ISO 9001 and 14001. Read more at  
[www.brunata.dk](http://www.brunata.dk) or contact us at  
+45 77 77 70 00*

**Brunata**  


## Contents

1.0 General information.....	3
2.0 Installation.....	3
3.0 Status diodes .....	3
4.0 Troubleshooting .....	4
5.0 Installation list .....	5
6.0 Testing installation using text commands.....	5
7.0 Technical support.....	6



## 1.0 General information

HG<sup>+</sup> can be mounted in a BrunataNet system ver1 or ver2. The transmission frequency is every ten seconds for ver2 and every hour for ver1. To avoid having to wait for an hour for the first telegram in a ver1 system, push the button to force the module to send a ver1 telegram immediately. HG<sup>+</sup> has four status diodes - one diode indicates that HG<sup>+</sup> is receiving power and the other three diodes show the current status of the HG meter.

## 2.0 Installation

Remove the cover of the HG meter. Insert the HG<sup>+</sup> module in the nine-pole jack next to the trafo (the nine-pole jack is referred to as number 13 in the HG meter installation manual in QB 10.1483 or M52). See illustration below. Then replace the cover on the HG meter.



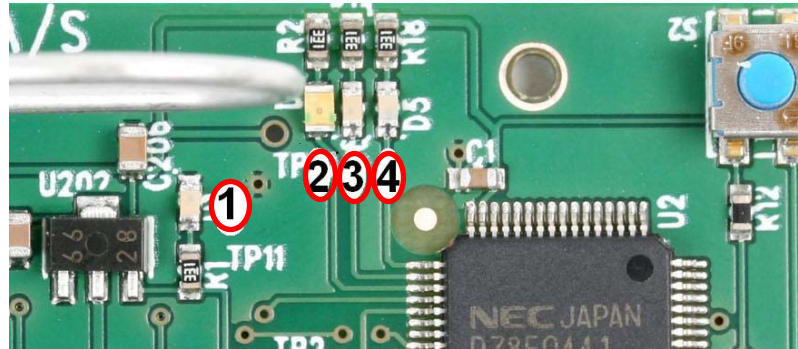
## 3.0 Status diodes

The HG<sup>+</sup> is furnished with four status diodes:

- Diode 1 is constantly lit to indicate that HG<sup>+</sup> is receiving power.
- Diodes 2, 3 and 4 indicate the current status between HG<sup>+</sup> and the HG meter.

When HG<sup>+</sup> is inserted in the HG meter, all diodes should light up to show that they are working.

During standard operation, diode 3 flashes every time HG<sup>+</sup> reads the HG meter. Finally diode 2 flashes once to indicate that a telegram has been sent via radio.



Status diodes	Description
<div style="display: flex; justify-content: space-around;"> <div style="width: 20px; height: 10px; background-color: green; border: 1px solid black;"></div> <div style="width: 20px; height: 10px; background-color: orange; border: 1px solid black;"></div> <div style="width: 20px; height: 10px; background-color: green; border: 1px solid black;"></div> <div style="width: 20px; height: 10px; background-color: red; border: 1px solid black;"></div> </div>	<p><b>Installation:</b> All diodes light up for less than a second.</p>
<div style="display: flex; justify-content: space-around;"> <div style="width: 20px; height: 10px; background-color: green; border: 1px solid black;"></div> <div style="width: 20px; height: 10px; background-color: orange; border: 1px solid black;"></div> <div style="width: 20px; height: 10px; background-color: green; border: 1px solid black;"></div> <div style="width: 20px; height: 10px; background-color: green; border: 1px solid black;"></div> </div>	<p><b>Normal operation:</b> Every time the module communicates with the HG meter, diode 3 flashes three times and finally diode 2 flashes once.</p>
<div style="display: flex; justify-content: space-around;"> <div style="width: 20px; height: 10px; background-color: green; border: 1px solid black;"></div> <div style="width: 20px; height: 10px; background-color: orange; border: 1px solid black;"></div> <div style="width: 20px; height: 10px; background-color: green; border: 1px solid black;"></div> <div style="width: 20px; height: 10px; background-color: red; border: 1px solid black;"></div> </div>	<p><b>Communication failure:</b> If the module cannot communicate with the HG meter, diodes 3 and 4 remain lit.</p>
<div style="display: flex; justify-content: space-around;"> <div style="width: 20px; height: 10px; background-color: green; border: 1px solid black;"></div> <div style="width: 20px; height: 10px; background-color: orange; border: 1px solid black;"></div> <div style="width: 20px; height: 10px; background-color: green; border: 1px solid black;"></div> <div style="width: 20px; height: 10px; background-color: red; border: 1px solid black;"></div> </div>	<p><b>Interpretation failure:</b> If HG<sup>+</sup> cannot interpret the telegram from the HG meter, diode 4 remains lit.</p>

## 4.0 Troubleshooting

If there is a communication failure between HG<sup>+</sup> and the HG meter, diodes 3 and 4 remain lit. Check whether the lock in the HG meter display is lit. If so, check whether the hardware lock is inserted.

If diode 4 remains lit, but diodes 2 and 3 are unlit, the module has failed to interpret the telegram from the HG meter. This may be because the receiver cannot receive a telegram transmitted by HG<sup>+</sup>. Check this by either a text command to the receiver or in Brunata WebMon.

If the above failure occurs, the product must be handled according to QP73 for deviant products.

## 5.0 Installation list

The following are stated in the installation list:

HG meter serial no.



HG meter software version  
Label on CPU on print card



HG meter medium  
e.g. water, volume or energy



For energy meters, note:

- Hottest
- Coldest

## 6.0 Test of installation using text commands

If the system is connected to **GateLAN**, a text command about the meter no. can be sent to GateLAN. It is important that the text is sent to the correct GateLAN. See description below.

The text commands are sent to no.: **+45 27 80 88 24**

The text command must be constructed as follows:

[password]  
[ID no. on box]  
[command]

The default password is dokfaw.

An example of a text command is shown below:

**dokfaw 10 meters**

The above text command asks about meter no. i LDC 10.

A reply to this text might be:

**10**

**938235** - note that the first 1-2 digits in the serial no. are not included in the text.

If the system is connected to **GateGPRS**, a text command can be send to the relevant phone number, which is provided on the GateGPRS box. The text command must be constructed as follows:

[password]  
[command]

The default password is dokfaw.

An example of a text command is shown below:

### **dokfaw meters**

The above text command asks about meters in GateGPRS.

A reply to this text might be:

**938235** - note that the first 1-2 digits in the serial no. are not included in the text.

## **7.0 Technical support**

If you have any questions in relation to the above, please do not hesitate to contact the Technical Department at Brunata at:

Telephone +45 7777 7000  
Fax +45 7777 7001  
E-mail [service@brunata.dk](mailto:service@brunata.dk)