BrunataNet
GateLan - Mbus/RS232
(type 3)

Installation guide
edition 2.0
UK-QB 101477/18.04.2013

Brunata a/s is a Danish owned company. We have more than 90 years of experience in delivering heat cost allocators, consumption accounts and meter services. Today meters are often remotely read with access to the internet. We have a quality control system fulfilling DS/EN ISO 9001 and 14001.

Brunata

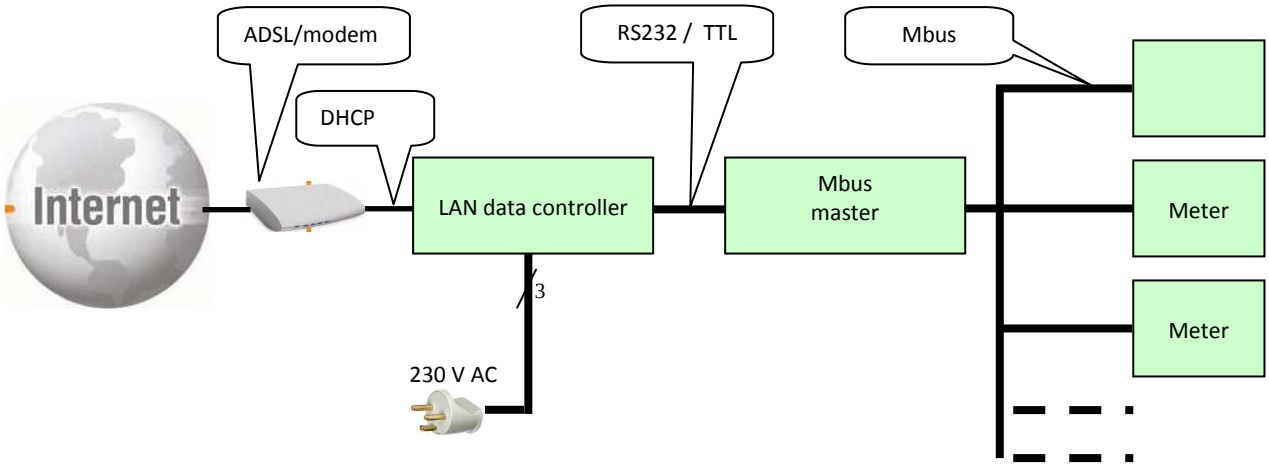
Contents

1.0 Introduction

1.1 Connection in general

GateLAN – Mbus/RS232 is connected to 230 V and an Ethernet with dynamic IP addressing DHCP through which access to the Internet can be achieved.

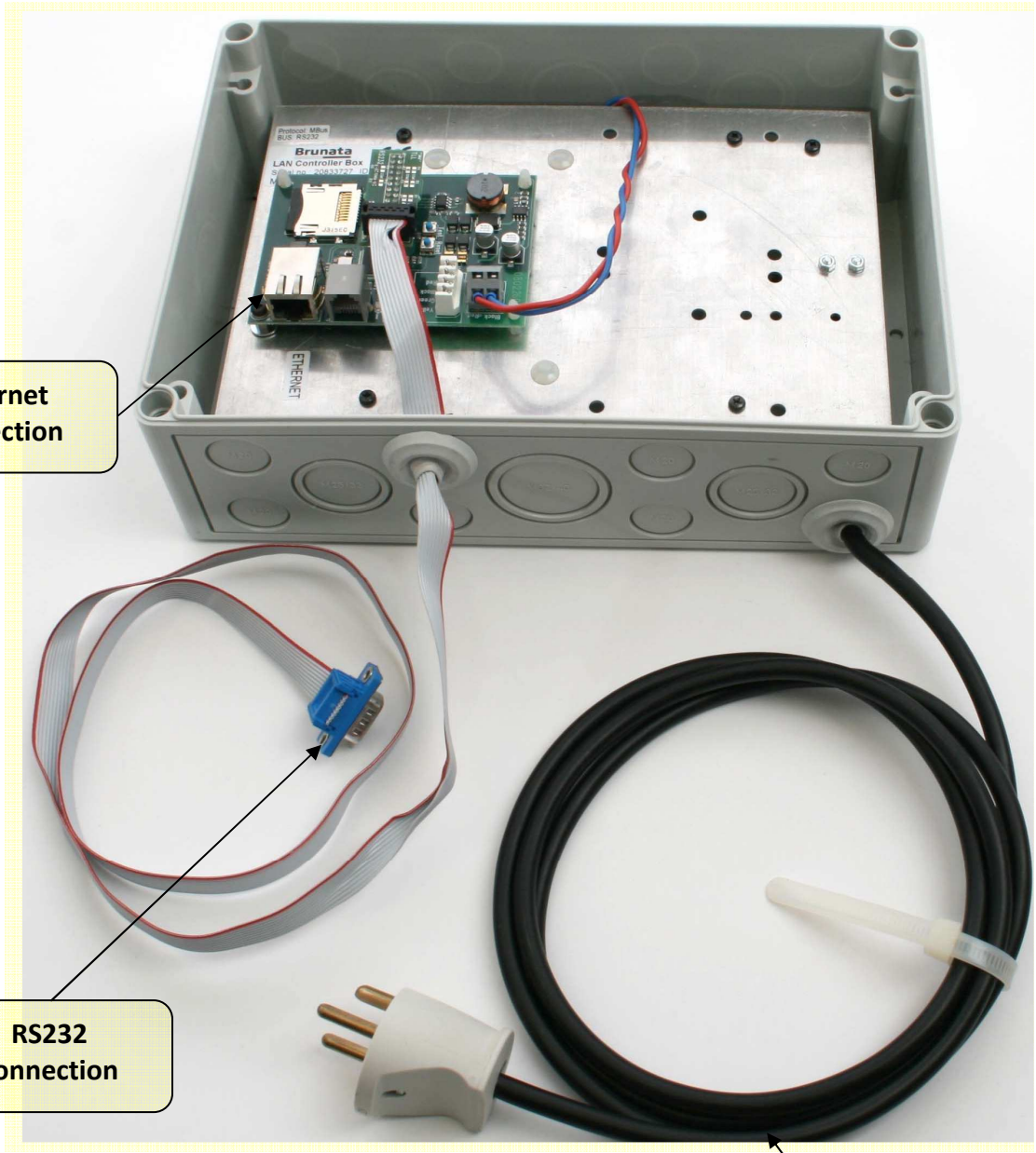
A Mbus master can be connected with the accompanying RS232 cable.



1.2 Connection of GateLAN – Mbus/RS232

- Connect local network or internet to the Ethernet socket.
- Connect the HG-MBus master to the RS232 bus with a flat cable.
- When all meters and the internet are connected, connect GateLAN – Mbus/RS232 to 230 V.

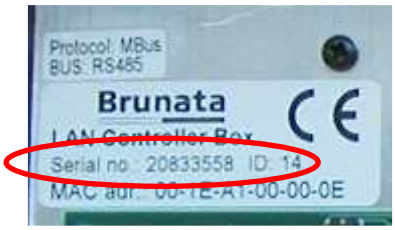
See illustration on the next page.


Ethernet connection
RS232 connection
230 V connection
Brunata
LAN Controller Box
ETHERNET

2.0 Registering the installation

For the system to be set up in WebMon, the form on the last page must be filled in and sent to the relevant local Brunata branch or the heating account department at the main office.

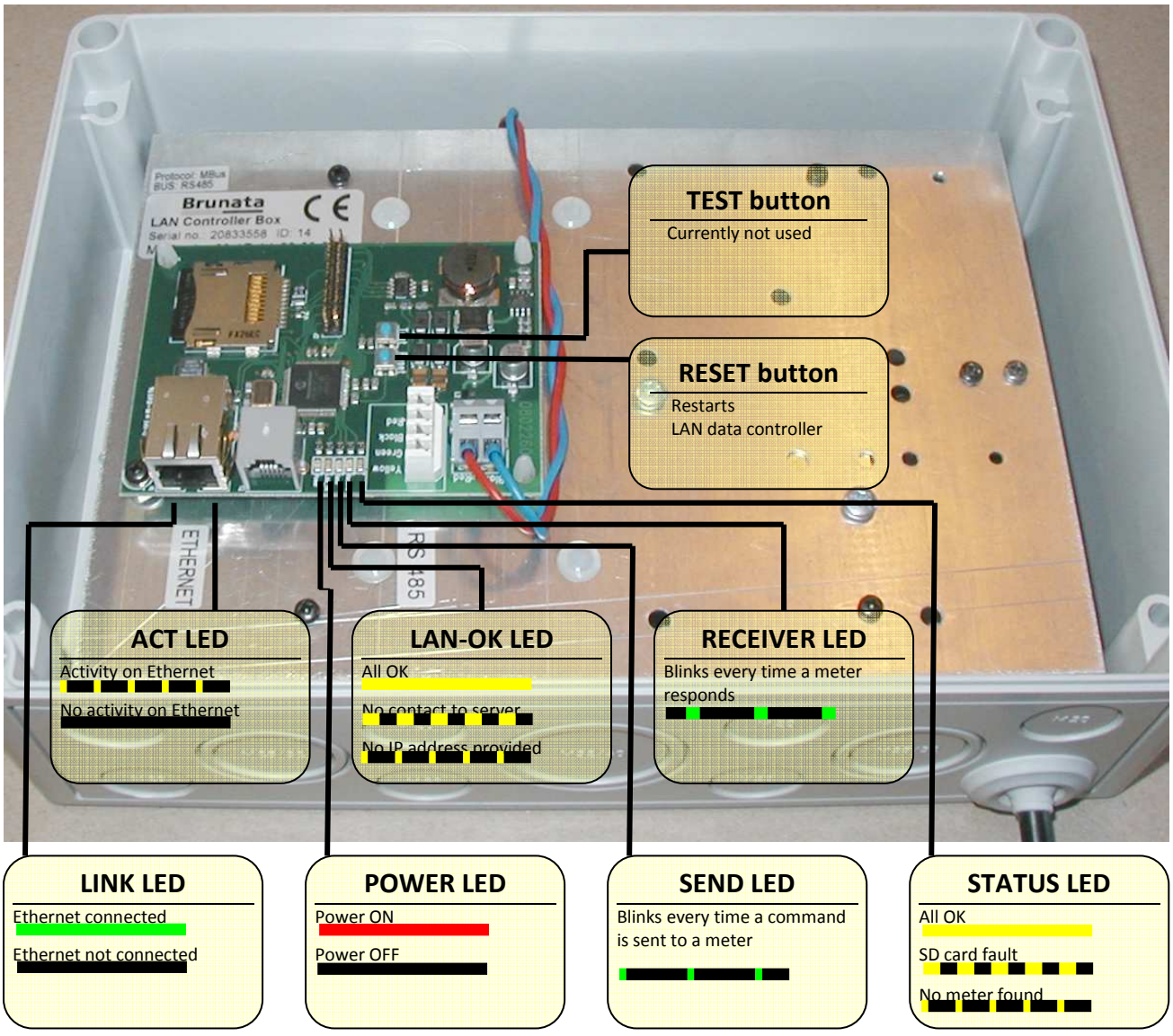
It is important to include both the serial number and the ID number of the LAN data controller on the form.



For the meter, only the serial number on the side of the meter needs to be included.

The connection of the meters to the LAN data controller can be sketched on the back of the form.

3.0 Light diodes and buttons on GateLAN – Mbus/RS232



4.0 SMS Text commands to the GateLAN Mbus/RS232

If the GateLAN is correctly connected to the Internet and is connected to Brunata's server (the LAN-OK LED is remains lit), it is possible to send SMS text commands to the box.

These SMS text commands are sent to telephone number**: +45 27 80 88 24.**

You need a password to use the SMS service. You can obtain a password from Product Management Instruments support on telephone number +4577 77 72 86 or by e-mail instruments@brunata.com

The text command must be constructed as follows: **[password] [ID no. of the box] [command]**

Standard commands:

Text command	**Description**
hardboot	Restarts the GateLAN Mbus/RS232 immediately
version	Inquires about the software version in the GateLAN Mbus/RS232
meters	Makes the GateLAN Mbus/RS232 search for meters and replies with the meter numbers within a few minutes
status	Writes out various status flags. These describe roughly the same facts as can be read on the LEDs if you have physical access to the GateLAN Mbus/RS232

An example of a text command is shown below where the sender wants to know the software version in GateLAN Mbus/RS232. The box has ID number 10, and the actual password:

Text command	Text reply
password 10 version	10 2.40

5.0 Check and register

5.1 Which elements does the check contain?

When the network is established, you must check that it works. The check consists of two parts:

- Does the GateLAN Mbus/RS232 have contact with the server at Brunata?
- Did the GateLAN Mbus/RS232 find all the meters?

5.2 Does the GateLAN Mbus/RS232 controller have contact with the server at Brunata?

First check if LAN-OK LED is lit constantly. Then send a text command to the GateLAN Mbus/RS232. If these two checks are successful, the GateLAN Mbus/RS232 can send data to the database at Brunata.

5.3 Did the GateLAN MBbus/RS232 find all the meters?

The following text command is sent to the GateLAN Mbus/RS232 to check if it has found all the meters included in the network. See below for an example of a text command, where the sender wants to know if all the meters have been found in GateLAN Mbus/RS232. The box has ID number 10 and the password:

Text command	Text reply
password 10 meters	10 39190744-HYD-2F-OC

6.0 Registration of components in the network

In order to monitor the network, it is **very important** to register all the components in the network.

- The ID number of the GateLAN Mbus/RS232
- The meter ID
- Where the meters is located in the building

A sketch of the composition of the network can be drawn on the back of the form, if required.

The form is passed to your local department, which will make sure that the component data are registered in WebMon.

7.0 Technical support

If you have questions in connection with the above, please do not hesitate to contact Product Management Instruments support at Brunata.

Contact information:
Telephone +45 77 77 72 86
E-mail instruments@brunata.com

BrunataNet component list					System no. Page of
Installation date	*	Serial no. / ID no.	Address	Net location	Comment

***** = Component type Service employee:_____ Tel. no: _____ Date:_____

L = GateLAN Mbus/RS 232, **H** = meter on the Mbus network See reverse