

Versatronik® 511 Type B Gateway



Applicable Gateways

Versatronik 511 NR2/LON Type B
Versatronik 511D NR2/LON Type B

Quick Start-up Assistant

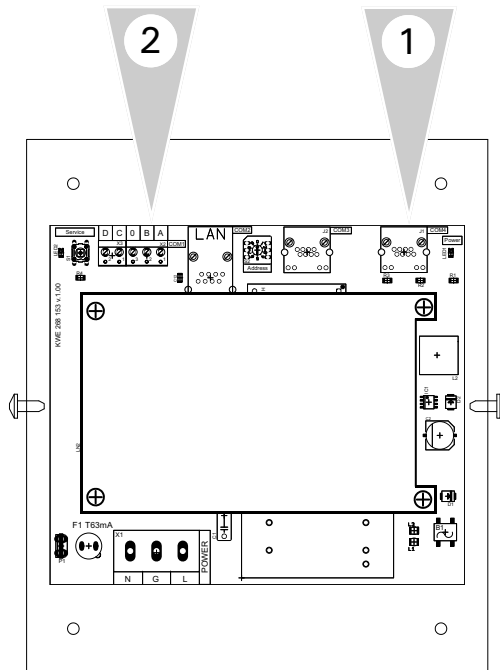
Important information before you get started

This device is not plug and play. A few configuration variables will need to be set before the device becomes usable. The boiler controls need to be configured for single boiler and participant numbers should be set.

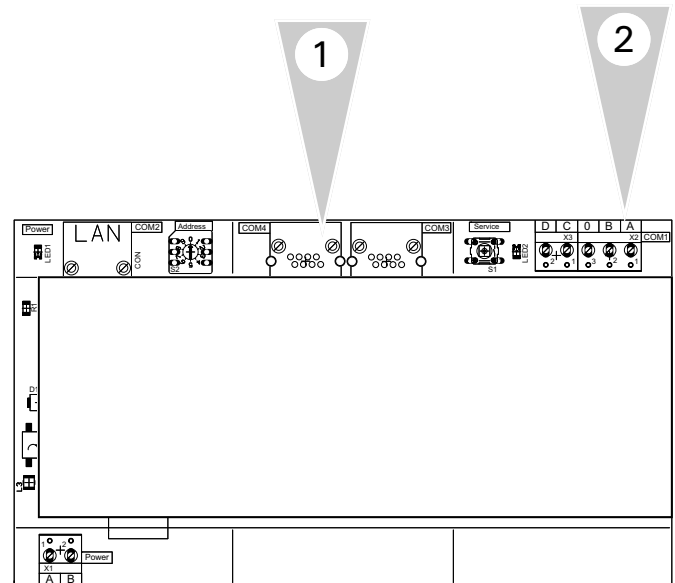


Connections

1. COM4 - RJ45 connector to NR2 controls
 2. COM1 A/B - 2 wire LON connection to BMS
- *Service pin is located beside COM1



120VAC Versatronik 511 NR2/LON



24VAC Versatronik 511D NR2/LON

NOTE:

The information provided in this Quick Start Up Guide is only offered as a supplement to the Versatronik gateway installation manual and does not replace the manual in whole or in part.

Quick Start-up

Versatronik 511 LON Type B Quick Start Up

Configuration Variables

The Versatronik 511 NR2 / LON Type-B gateway has to be configured with the participant numbers (Node IDs) of the NR2 boiler controls. The addresses for boilers 1 through 16 should be entered in the nciNR2ConfigB variable

When controlling the boilers special attention needs to be given to the Cmd State (Byte 2); you can either control the boilers based on a modulation % (Boiler On), or a temperature set point (Auto Mode.)

You can download the XIF files for this gateway from www.kwe-tech.com

Point	Point Description	Details
nciNR2ConfigB	Boiler 1-16 Fault	Participant number (Node ID, Address 77)
nvoBoilerS[0 - 15]	Boiler 1-16 Boiler Status Variables	Byte 0 – Fault Code. (See appendix) Byte 1 – Relay State. Bit 0 – Burner Fault Bit 1 – Burner 1 stage Bit 5 – Boiler Pump Byte 2 – Effective Set Point. Byte 3 – Supply Temp. Byte 4 – Boiler state (current system output %)
nviBoilerC[0 - 15]	Boiler 1-16 Boiler Control Variables	Byte 0 – Set Point Minimum Temperature Set-Point Byte 1 – Command Value Minimum boiler output in % Byte 2 – Command State 0 – Boiler Off 1 – Boiler On (Cmd Value [Byte 1] controls boiler output) 0xFF – Auto Mode (-1 in decimal) (Use Set Point [Byte 0] to control boiler Cmd Value [Byte 1] is ignored.

*See the User Guide for more detailed instructions (www.kwe-tech.com)

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IMPORTANT

Read and save these instructions for future reference

