



DIP switch [B] for setting bus parameters:

Baud rate (selectable)	DIP 1	DIP 2	Parity (selectable)	DIP 3	Parity check (on/off)	DIP 4	8N1 mode (on/off)	DIP 5	Bus termination (on/off)	DIP 6
9600 baud	ON	OFF	EVEN (numbered)	ON	Active (1 stop bit)	ON	Active	ON	Active	ON
19200 baud	ON	ON	ODD (numbered)	OFF	Inactive (no parity) (2 stop bits)	OFF	Inactive (default)	OFF	Inactive	OFF
38400 baud	OFF	ON								
Reserved	OFF	OFF								

Configuration

BUS ADDRESS

The device address in the range of **1 to 247** is set at DIP switch [A].
For switch positions 1 to 8 see the table on the back!

Address 0 is reserved for broadcast messages. Addresses greater than 247 must not be assigned and are ignored by the device.
The DIP switches are binary-coded with the following values:

- DIP 1 = 128 DIP 1 = ON
- DIP 2 = 64 DIP 2 = ON
- DIP 3 = 32 DIP 3 = OFF
- DIP 4 = 16 DIP 4 = OFF
- DIP 5 = 8 DIP 5 = OFF
- DIP 6 = 4 DIP 6 = OFF
- DIP 7 = 2 DIP 7 = OFF
- DIP 8 = 1 DIP 8 = ON

The switch positions shown here result in the Modbus address **128 + 64 + 1 = 193**

BUS PARAMETERS

The baud rate (speed of transmission) is set at DIP switches 1 and 2 of DIP switch block [B].
Selectable are **9600 baud**, **19200 baud**, or **38400 baud** – see table!

Parity is set at DIP switch 3 of DIP switch block [B].
Selectable are **EVEN** or **ODD** – see table!

Parity check is activated via DIP switch 4 of DIP switch block [B].
Selectable are **active (1 stop bit)**, or **inactive (2 stop bits)**, i.e. no parity check – see table!

The **8N1 mode** is activated via DIP switch 5 of DIP switch block [B].
The functionality of DIP switch 3 (parity) and DIP switch 4 (parity check) of DIP switch block [B] is therefore deactivated.
Selectable are **8N1 active** or **inactive (default)** – see table!.

Bus termination is activated via DIP switch 6 of DIP switch block [B].
Selectable are **active** (bus termination resistance of 120 Ohm), or **inactive** (no bus termination) – see table!

When bus parameters and bus address are changed at devices with **display**,
the respective settings are shown on the display for approx. 30 seconds.

COMMUNICATION INDICATOR

Communication is indicated via two LEDs.
Error-free received telegrams are signaled by the green LED lighting up, regardless of the device address.
Faulty telegrams or triggered Modbus exception telegrams are depicted by the red LED lighting up.

DIAGNOSTICS

An error diagnostic function is integrated.