Infosheet Modbus RTU

for BR6000, BR7000, MMI6000, MMI7000

Serial interface Settings

Use equal settings for master and slave

Baud rate:	4800, 9600, 19200, 38400Baud
Data bits:	8
Stop bits:	1
Parity:	None
Address	Use every address (1..32) only once

Read Data (Function code 3)

Wait 1 second between two requests.

Master → Slave

Slave Address	Function Code – 3	Register (High)	Register (Low)	Quantity* (High)	Quantity* (Low)	CRC (Low)	CRC (High)

Master ← Slave

Slave Address	Function Code – 3	Quantity x2 (bytes)	Data (High)	Data (Low)	Data ..	CRC (Low)	CRC (High)

**) Maximum quantity for BR6000 and MMI6000 is 24*
BR7000 and BR7000 is 48

Write Data (Function code 6)

Wait 1 second between two requests.

Master → Slave

Slave Address	Function Code – 6	Register (High)	Register (Low)	Data (High)	Data (Low)	CRC (Low)	CRC (High)

Master ← Slave

Slave Address	Function Code – 6	Register (High)	Register (Low)	Data (High)	Data (Low)	CRC (Low)	CRC (High)

Example: Read Data-cycle

Read Voltage (Register 20 at BR6000) = 233V

