

flowSerial protocol

protocol format

* = additional information

1 Byte	1 Byte	undefined size. Range 0 to 256 bytes	2 Bytes
Start-byte(0xAA)	instruction code	Arguments/ Data	checksum

*first byte to send

*size defined in argument

*checksum is a 16 bit number witch contains

The sum of the full message. It is used for verify correct transmission MSB first

instruction list

code	task
0x00	ID request
0x01	read
0x02	write
0x03	return requested data/id

Contents in arguments/data per instruction

instruction Code	instruction name		Byte 0	Byte 1	Byte 2	Byte 3	Byte 4	Byte 5	Byte ...n
0x00	ID request		<u>no arguments</u>						
0x01	Read		start address	n bytes					
0x02	write	Arguments\ Data: >>	start address	n bytes	Byte 0	Byte 1	Byte ..	Byte n-1	
0x03	return requested Data/ID		n bytes	Byte 0	Byte 1	Byte ..	Byte n-1		

Sheet3

Process bytes

0x00	0x01	0x02	0x03	0x04	0x05	0x06
Idle	Start-byte Received	instruction Received	arguments Received	MSB checksum Received	LSB checksum Received	Checksum OK Execute instruction

*process bytes are for internal process flow control(not public available)