

MODBUS Address-table URM - V1.0

Function code 3

Address			Register name	Info / Range of values
DEC	HEX	L/H		
0	00 00	L	SETTINGS Relais-Output-Status	See settings section for further details Byte; Bit0.. Bit6 → Rel1.. Rel7
96	00 60		Internal use	102
100	00 64		SETTINGS	See settings section for further details
...				
255	00 FF	H L	Hardware identify. Software-version	12 Byte – exp.: 10 → V1.0

Controller settings (read / write)

Address			Register name	Reset value	Description / Range of values / Examples
Code R= 3	Code W= 6	H/L			
0	0	L	Relais-Output-Status	0	Byte; Bit1.. Bit7 → Rel1.. Rel7
...	...				
100	100	L	Modbus Address	1	Slave: Address of URM Master: Address of external device (controller)
101	101	L	Modbus Baud rate	0	Byte 0 = 9600, 1= 19200, 2 = 38400, other values= 38400
102	102	L	Mode (from Version 3.1)	0	0 = Slave: Relaismodul 1 = Master: Error-Relais for BR7000-1 2 = Master: Error-Relais for BR7000-3
103	103	L	Error-Relais-Mask	0x80	Slave: no function Master: Relais-Mask at that is set at Bus-Error (no answer from slave)
...	...				
110, 112	110, 112		Rel1	0	Slave: no function Master:
113, 115	113, 115		Rel2		Word H/L Function
116, 118	116, 118		Rel3		1 H Phase-Mask: BR7000-1: no function BR7000-3: observed phases Bit0 = L2; bit1= L1; bit2= single ph. meas.; bit3 = L3
119, 121	119, 121		Rel4		L Error-Mask: observed error-flags See error-flag assignment of the slave controller
122, 124	122, 124		Rel5		2 H Message-Mask: observed Mess.-flags See Message-flag assignment of the slave controller
125, 127	125, 127		Rel6		L Warning-Mask: observed Warn.-flags See Warning-flag assignment of the slave controller
128, 130	128, 130		Rel7		3 reserved

History

V1.0

- Initial Version

...	...				
110	110	H	Rel1 Phase-Mask	0	Slave, BR7000-1: no function BR7000-3: observed phases Bit0 = L1; bit1= L2; bit2= single ph. meas.; bit3 = L3
110	110	L	Rel1 Error-Mask	0	Slave: no function BR7000-1, BR7000-3: observed error-flags See error-flag assignment of the slave controller
111	111	H	Rel1 Message-Mask	0	Slave: no function BR7000-1, BR7000-3: observed message-flags See message-flag assignment of the slave controller
111	111	L	Rel1 Warning-Mask	0	Slave: no function BR7000-1, BR7000-3: observed warning-flags See warning-flag assignment of the slave controller
112	112	W	Rel1 reserved	0	Reserved