Residual current monitoring device

RCM 201-ROGO

Modbus address list

Dok. Nr. 2.353.057.1.b 03/2023

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Comments on the handbook

We welcome your comments. If anything appears to be unclear in this handbook, please let us know and send us an E-MAIL to: info@janitza.com

Notes on this annex to the user manual

This annex to the installation instructions for the RCM 201-ROGO is intended exclusively for use by trained professionals from the field of electrical engineering. It describes the Modbus connection of the RCM 201-ROGO.

It is essential that the installation instructions for the RCM 201-ROGO be followed.

This system, like the user manual, is part of the product and refers in part to other devices from Janitza electronics GmbH.

Modbus address list

Address	Format	RD/WR	Designation	Unit	Value	Factory setting	Note
10	float (32 bit)	RD	Residual current (LEVEL-F)	A			Residual current
12	byte	RD	Reserved	-	-		Reserved
13	byte	RD	Status	Bitfield			High byte / Status BIT 0 = Program BIT 1 = Button BIT 2 = Message BIT 3 = Alarm Low byte / Error BIT 0 = Switch-on phase BIT 1 = Wire break, Rogowski coil BIT 2 = Short circuit, Rogowski coil BIT 3 = Overtemperature BIT 4 = +5 V error BIT 5 = -5 V error BIT 6 = Overcurrent BIT 7 = Under-current
14	float (32 bit)	RD	Residual current (LEVEL-F)	mA			Residual current
101	byte	RD/WR	Measuring range	A		1 (125 A)	Nominal current 1 = 125A 2 = 25A 3 = 10A 4 = 5A
102	byte	RD/WR	Reporting function			0 (Normal)	0 = Normal 1 = Inverse
103	byte	RD/WR	Reporting level		20-200 // 10-100%	200 (100 %)	When the percentage value of the nominal current is reached, a message is issued, e.g. 160 = 80%
104	byte	RD/WR	Reporting delay	s	1 … 255	5	Time that a reporting trigger is pending until a message is sent
105	byte	RD/WR	Alarm function			1 (Invers)	0 = Normal 1 = Inverse
106	byte	RD/WR	Alarm level		20-200 // 10-100%	200 (100 %)	When the percentage value of the nominal current is reached, an alarm is issued, e.g. 160 = 80%
107	byte	RD/WR	Alarm delay		1 … 255	10	Time that an alarm trigger is pending until an alarm is issued
108	byte	RD/WR	Hysteresis		0 … 60	10 (5 %)	Percentage value of level to reset the message, e.g. 10 = 5%, 60 = 30%
109	byte	RD/WR	Modbus address		1 … 255	1	
110	byte	RD/WR	Baud rate		0 … 5	0 (9600 baud)	0 = 9600 baud 1 = 19200 baud 2 = 38400 baud 3 = 57600 baud 4 = 115200 baud 5 = 250000 baud
111	byte	RD/WR	Key lock			0 (No lock)	0 = No lock 1 = Lock active
3145	byte	RD	Firmware version				High byte = main version, e.g. 1 Low byte = Subversion, e.g. 0
3146	byte	RD	Hardware version				High byte = main version, e.g. 1 Low byte = Subversion, e.g. 0
3147	byte	RD	Device identification part 1				Internal use
3148	byte	RD	Device identification part 2				Internal use

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Doc. no. 2.353.057.1.b | 03/2023 | Subject to technical alterations.
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