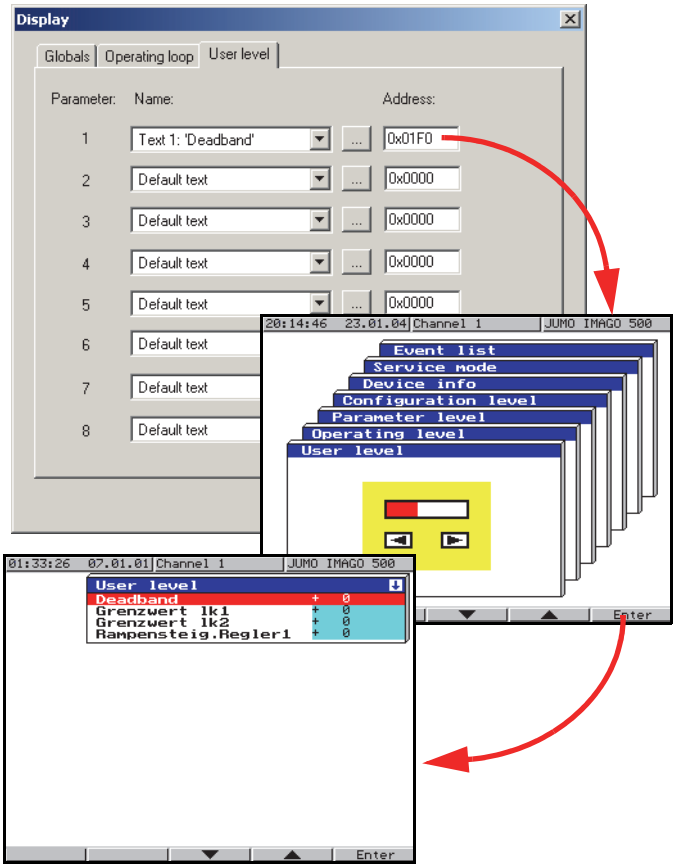

JUMO IMAGO 500

Modbus Parameters for Multi-channel Process and Program Controller

B 703590.2.0 User Level Parameters

2012-04-04/00428331

1. Controller

Address	Data type	Access	Signal designation
Controller 1			
0x01E6	INT	R/W	Controller type
0x01E7	INT	R/W	Control action
0x01E8	INT	R/W	Controller output 1
0x01E9	INT	R/W	Controller output 2
0x01EA	INT	R/W	Method
0x01EB	INT	R/W	Manual mode (inhibit manual mode)
0x01EC	INT	R/W	Self-optimization (inhibit SO)
0x01EF	FLOAT	R/W	Dead band
0x01F5	FLOAT	R/W	Output level normalization start
0x01F7	FLOAT	R/W	Output level normalization end
0x01F9	INT	R/W	Manual output
0x01FA	INT	R/W	Range output setting
0x01FB	INT	R/W	Steady output
0x01FC	INT	R/W	Step size
0x01FD	FLOAT	R/W	Start of setpoint limiting
0x01FF	FLOAT	R/W	End of setpoint limiting
0x0201	INT	R/W	Input => process value
0x0202	INT	R/W	Input => external setpoint
0x0203	INT	R/W	Input => program setpoint
0x0204	INT	R/W	Input => manual output
0x0205	INT	R/W	Input => output level feedback
0x0206	INT	R/W	Input => additive disturbance
0x0207	INT	R/W	Input => multiplicative disturbance
Controller 2			
0x0208	INT	R/W	Controller type
0x0209	INT	R/W	Control action
0x020A	INT	R/W	Controller output 1
0x020B	INT	R/W	Controller output 2
0x020C	INT	R/W	Method
0x020D	INT	R/W	Manual mode (inhibit manual mode)
0x020E	INT	R/W	Self-optimization (inhibit SO)
0x0211	FLOAT	R/W	Dead band
0x0217	FLOAT	R/W	Output level normalization start
0x0219	FLOAT	R/W	Output level normalization end
0x021B	INT	R/W	Manual output
0x021C	INT	R/W	Range output setting
0x021D	INT	R/W	Steady output
0x021E	INT	R/W	Step size

Modbus Addresses for User Level Parameters

Address	Data type	Access	Signal designation
0x021F	FLOAT	R/W	Start of setpoint limiting
0x0221	FLOAT	R/W	End of setpoint limiting
0x0223	INT	R/W	Input => process value
0x0224	INT	R/W	Input => external setpoint
0x0225	INT	R/W	Input => program setpoint
0x0226	INT	R/W	Input => manual output
0x0227	INT	R/W	Input => output level feedback
0x0228	INT	R/W	Input => additive disturbance
0x0229	INT	R/W	Input => multiplicative disturbance
Controller 3			
0x022A	INT	R/W	Controller type
0x022B	INT	R/W	Control action
0x022C	INT	R/W	Controller output 1
0x022D	INT	R/W	Controller output 2
0x022E	INT	R/W	Method
0x022F	INT	R/W	Manual mode (inhibit manual mode)
0x0230	INT	R/W	Self-optimization (inhibit SO)
0x0233	FLOAT	R/W	Dead band
0x0239	FLOAT	R/W	Output level normalization start
0x023B	FLOAT	R/W	Output level normalization end
0x023D	INT	R/W	Manual output
0x023E	INT	R/W	Range output setting
0x023F	INT	R/W	Steady output
0x0240	INT	R/W	Step size
0x0241	FLOAT	R/W	Start of setpoint limiting
0x0243	FLOAT	R/W	End of setpoint limiting
0x0245	INT	R/W	Input => process value
0x0246	INT	R/W	Input => external setpoint
0x0247	INT	R/W	Input => program setpoint
0x0248	INT	R/W	Input => manual output
0x0249	INT	R/W	Input => output level feedback
0x024A	INT	R/W	Input => additive disturbance
0x024B	INT	R/W	Input => multiplicative disturbance
Controller 4			
0x024C	INT	R/W	Controller type
0x024D	INT	R/W	Control action
0x024E	INT	R/W	Controller output 1
0x024F	INT	R/W	Controller output 2
0x0250	INT	R/W	Method
0x0251	INT	R/W	Manual mode (inhibit manual mode)
0x0252	INT	R/W	Self-optimization (inhibit SO)

Address	Data type	Access	Signal designation
0x0255	FLOAT	R/W	Dead band
0x025B	FLOAT	R/W	Output level normalization start
0x025D	FLOAT	R/W	Output level normalization end
0x025F	INT	R/W	Manual output
0x0260	INT	R/W	Range output setting
0x0261	INT	R/W	Steady output
0x0262	INT	R/W	Step size
0x0263	FLOAT	R/W	Start of setpoint limiting
0x0265	FLOAT	R/W	End of setpoint limiting
0x0267	INT	R/W	Input => process value
0x0268	INT	R/W	Input => external setpoint
0x0269	INT	R/W	Input => program setpoint
0x026A	INT	R/W	Input => manual output
0x026B	INT	R/W	Input => output level feedback
0x026C	INT	R/W	Input => additive disturbance
0x026D	INT	R/W	Input => multiplicative disturbance
Controller 5			
0x0A4B	INT	R/W	Controller type
0x0A4C	INT	R/W	Control action
0x0A4D	INT	R/W	Controller output 1
0x0A4E	INT	R/W	Controller output 2
0x0A4F	INT	R/W	Method
0x0A50	INT	R/W	Manual mode (inhibit manual mode)
0x0A51	INT	R/W	Self-optimization (inhibit SO)
0x0A54	FLOAT	R/W	Dead band
0x0A5A	FLOAT	R/W	Output level normalization start
0x0A5C	FLOAT	R/W	Output level normalization end
0x0A5E	INT	R/W	Manual output
0x0A5F	INT	R/W	Range output setting
0x0A60	INT	R/W	Steady output
0x0A61	INT	R/W	Step size
0x0A62	INT	R/W	Start of setpoint limiting
0x0A64	FLOAT	R/W	End of setpoint limiting
0x0A66	INT	R/W	Input => process value
0x0A67	INT	R/W	Input => external setpoint
0x0A68	INT	R/W	Input => program setpoint
0x0A69	INT	R/W	Input => manual output
0x0A6A	INT	R/W	Input => output level feedback
0x0A6B	INT	R/W	Input => additive disturbance
0x0A6C	INT	R/W	Input => multiplicative disturbance
Controller 6			

Modbus Addresses for User Level Parameters

Address	Data type	Access	Signal designation
0x0A6D	INT	R/W	Controller type
0x0A6E	INT	R/W	Control action
0x0A6F	INT	R/W	Controller output 1
0x0A70	INT	R/W	Controller output 2
0x0A71	INT	R/W	Method
0x0A72	INT	R/W	Manual mode (inhibit manual mode)
0x0A73	INT	R/W	Self-optimization (inhibit SO)
0x0A76	FLOAT	R/W	Dead band
0x0A7C	FLOAT	R/W	Output level normalization start
0x0A7E	FLOAT	R/W	Output level normalization end
0x0A80	INT	R/W	Manual output
0x0A81	INT	R/W	Range output setting
0x0A82	INT	R/W	Steady output
0x0A83	INT	R/W	Step size
0x0A84	FLOAT	R/W	Start of setpoint limiting
0x0A86	FLOAT	R/W	End of setpoint limiting
0x0A88	INT	R/W	Input => process value
0x0A89	INT	R/W	Input => external setpoint
0x0A8A	INT	R/W	Input => program setpoint
0x0A8B	INT	R/W	Input => manual output
0x0A8C	INT	R/W	Input => output level feedback
0x0A8D	INT	R/W	Input => additive disturbance
0x0A8E	INT	R/W	Input => multiplicative disturbance
Controller 7			
0x0A8F	INT	R/W	Controller type
0x0A90	INT	R/W	Control action
0x0A91	INT	R/W	Controller output 1
0x0A92	INT	R/W	Controller output 2
0x0A93	INT	R/W	Method
0x0A94	INT	R/W	Manual mode (inhibit manual mode)
0x0A95	INT	R/W	Self-optimization (inhibit SO)
0x0A98	FLOAT	R/W	Dead band
0x0A9E	FLOAT	R/W	Output level normalization start
0x0AA0	FLOAT	R/W	Output level normalization end
0x0AA2	INT	R/W	Manual output
0x0AA3	INT	R/W	Range output setting
0x0AA4	INT	R/W	Steady output
0x0AA5	INT	R/W	Step size
0x0AA6	FLOAT	R/W	Start of setpoint limiting
0x0AA8	FLOAT	R/W	End of setpoint limiting
0x0AAA	INT	R/W	Input => process value

Address	Data type	Access	Signal designation
0x0AAB	INT	R/W	Input => external setpoint
0x0AAC	INT	R/W	Input => program setpoint
0x0AAD	INT	R/W	Input => manual output
0x0AAE	INT	R/W	Input => output level feedback
0x0AAF	INT	R/W	Input => additive disturbance
0x0AB0	INT	R/W	Input => multiplicative disturbance
Controller 8			
0x0AB1	INT	R/W	Controller type
0x0AB2	INT	R/W	Control action
0x0AB3	INT	R/W	Controller output 1
0x0AB4	INT	R/W	Controller output 2
0x0AB5	INT	R/W	Method
0x0AB6	INT	R/W	Manual mode (inhibit manual mode)
0x0AB7	INT	R/W	Self-optimization (inhibit SO)
0x0ABA	FLOAT	R/W	Dead band
0x0AC0	FLOAT	R/W	Output level normalization start
0x0AC2	FLOAT	R/W	Output level normalization end
0x0AC4	INT	R/W	Manual output
0x0AC5	INT	R/W	Range output setting
0x0AC6	INT	R/W	Steady output
0x0AC7	INT	R/W	Step size
0x0AC8	FLOAT	R/W	Start of setpoint limiting
0x0ACA	FLOAT	R/W	End of setpoint limiting
0x0ACC	INT	R/W	Input => process value
0x0ACD	INT	R/W	Input => external setpoint
0x0ACE	INT	R/W	Input => program setpoint
0x0ACF	INT	R/W	Input => manual output
0x0AD0	INT	R/W	Input => output level feedback
0x0AD1	INT	R/W	Input => additive disturbance
0x0AD2	INT	R/W	Input => multiplicative disturbance

2. Setpoints

Address	Data type	Access	Signal designation
Controller 1			
0x083C	FLOAT	R/W	Setpoint 1
0x083E	FLOAT	R/W	Setpoint 2
0x0840	FLOAT	R/W	Setpoint 3
0x0842	FLOAT	R/W	Setpoint 4
Controller 2			

Address	Data type	Access	Signal designation
0x0844	FLOAT	R/W	Setpoint 1
0x0846	FLOAT	R/W	Setpoint 2
0x0848	FLOAT	R/W	Setpoint 3
0x084A	FLOAT	R/W	Setpoint 4
Controller 3			
0x084C	FLOAT	R/W	Setpoint 1
0x084E	FLOAT	R/W	Setpoint 2
0x0850	FLOAT	R/W	Setpoint 3
0x0852	FLOAT	R/W	Setpoint 4
Controller 4			
0x0854	FLOAT	R/W	Setpoint 1
0x0856	FLOAT	R/W	Setpoint 2
0x0858	FLOAT	R/W	Setpoint 3
0x085A	FLOAT	R/W	Setpoint 4
Controller 5			
0x0A2B	FLOAT	R/W	Setpoint 1
0x0A2D	FLOAT	R/W	Setpoint 2
0x0A2F	FLOAT	R/W	Setpoint 3
0x0A31	FLOAT	R/W	Setpoint 4
Controller 6			
0x0A33	FLOAT	R/W	Setpoint 1
0x0A35	FLOAT	R/W	Setpoint 2
0x0A37	FLOAT	R/W	Setpoint 3
0x0A39	FLOAT	R/W	Setpoint 4
Controller 7			
0x0A3B	FLOAT	R/W	Setpoint 1
0x0A3D	FLOAT	R/W	Setpoint 2
0x0A3F	FLOAT	R/W	Setpoint 3
0x0A41	FLOAT	R/W	Setpoint 4
Controller 8			
0x0A43	FLOAT	R/W	Setpoint 1
0x0A45	FLOAT	R/W	Setpoint 2
0x0A47	FLOAT	R/W	Setpoint 3
0x0A49	FLOAT	R/W	Setpoint 4

3. Controller parameters

Address	Data type	Access	Signal designation
Controller 1 parameter set 1			
0x085C	INT	R/W	Controller structure 1

Address	Data type	Access	Signal designation
0x085D	INT	R/W	Controller structure 2
0x085E	FLOAT	R/W	Proportional band: XP1
0x0860	FLOAT	R/W	Proportional band: XP2
0x0862	FLOAT	R/W	Derivative time TV1
0x0864	FLOAT	R/W	Derivative time TV2
0x0866	FLOAT	R/W	Reset time TN1
0x0868	FLOAT	R/W	Reset time TN2
0x086A	FLOAT	R/W	Cycle time CY1
0x086C	FLOAT	R/W	Cycle time CY2
0x086E	FLOAT	R/W	Contact spacing Xsh
0x0870	FLOAT	R/W	Switching differential Xd1
0x0872	FLOAT	R/W	Switching differential Xd2
0x0874	FLOAT	R/W	Actuator time TT
0x0876	FLOAT	R/W	Y0
0x0878	FLOAT	R/W	Y1
0x087A	FLOAT	R/W	Y2
0x087C	FLOAT	R/W	Min. relay ON time TK1
0x087E	FLOAT	R/W	Min. relay ON time TK2
Controller 1 parameter set 2			
0x0880	INT	R/W	Controller structure 1
0x0881	INT	R/W	Controller structure 2
0x0882	FLOAT	R/W	Proportional band: XP1
0x0884	FLOAT	R/W	Proportional band: XP2
0x0886	FLOAT	R/W	Derivative time TV1
0x0888	FLOAT	R/W	Derivative time TV2
0x088A	FLOAT	R/W	Reset time TN1
0x088C	FLOAT	R/W	Reset time TN2
0x088E	FLOAT	R/W	Cycle time CY1
0x0890	FLOAT	R/W	Cycle time CY2
0x0892	FLOAT	R/W	Contact spacing Xsh
0x0894	FLOAT	R/W	Switching differential Xd1
0x0896	FLOAT	R/W	Switching differential Xd2
0x0898	FLOAT	R/W	Actuator time TT
0x089A	FLOAT	R/W	Y0
0x089C	FLOAT	R/W	Y1
0x089E	FLOAT	R/W	Y2
0x08A0	FLOAT	R/W	Min. relay ON time TK1
0x08A2	FLOAT	R/W	Min. relay ON time TK2
Controller 2 parameter set 1			
0x08A4	INT	R/W	Controller structure 1
0x08A5	INT	R/W	Controller structure 2

Modbus Addresses for User Level Parameters

Address	Data type	Access	Signal designation
0x08A6	FLOAT	R/W	Proportional band: XP1
0x08A8	FLOAT	R/W	Proportional band: XP2
0x08AA	FLOAT	R/W	Derivative time TV1
0x08AC	FLOAT	R/W	Derivative time TV2
0x08AE	FLOAT	R/W	Reset time TN1
0x08B0	FLOAT	R/W	Reset time TN2
0x08B2	FLOAT	R/W	Cycle time CY1
0x08B4	FLOAT	R/W	Cycle time CY2
0x08B6	FLOAT	R/W	Contact spacing Xsh
0x08B8	FLOAT	R/W	Switching differential Xd1
0x08BA	FLOAT	R/W	Switching differential Xd2
0x08BC	FLOAT	R/W	Actuator time TT
0x08BE	FLOAT	R/W	Y0
0x08C0	FLOAT	R/W	Y1
0x08C2	FLOAT	R/W	Y2
0x08C4	FLOAT	R/W	Min. relay ON time TK1
0x08C6	FLOAT	R/W	Min. relay ON time TK2
Controller 2 parameter set 2			
0x08C8	INT	R/W	Controller structure 1
0x08C9	INT	R/W	Controller structure 2
0x08CA	FLOAT	R/W	Proportional band: XP1
0x08CC	FLOAT	R/W	Proportional band: XP2
0x08CE	FLOAT	R/W	Derivative time TV1
0x08D0	FLOAT	R/W	Derivative time TV2
0x08D2	FLOAT	R/W	Reset time TN1
0x08D4	FLOAT	R/W	Reset time TN2
0x08D6	FLOAT	R/W	Cycle time CY1
0x08D8	FLOAT	R/W	Cycle time CY2
0x08DA	FLOAT	R/W	Contact spacing Xsh
0x08DC	FLOAT	R/W	Switching differential Xd1
0x08DE	FLOAT	R/W	Switching differential Xd2
0x08E0	FLOAT	R/W	Actuator time TT
0x08E2	FLOAT	R/W	Y0
0x08E4	FLOAT	R/W	Y1
0x08E6	FLOAT	R/W	Y2
0x08E8	FLOAT	R/W	Min. relay ON time TK1
0x08EA	FLOAT	R/W	Min. relay ON time TK2
Controller 3 parameter set 1			
0x08EC	INT	R/W	Controller structure 1
0x08ED	INT	R/W	Controller structure 2
0x08EE	FLOAT	R/W	Proportional band: XP1

Address	Data type	Access	Signal designation
0x08F0	FLOAT	R/W	Proportional band: XP2
0x08F2	FLOAT	R/W	Derivative time TV1
0x08F4	FLOAT	R/W	Derivative time TV2
0x08F6	FLOAT	R/W	Reset time TN1
0x08F8	FLOAT	R/W	Reset time TN2
0x08FA	FLOAT	R/W	Cycle time CY1
0x08FC	FLOAT	R/W	Cycle time CY2
0x08FE	FLOAT	R/W	Contact spacing Xsh
0x0900	FLOAT	R/W	Switching differential Xd1
0x0902	FLOAT	R/W	Switching differential Xd2
0x0904	FLOAT	R/W	Actuator time TT
0x0906	FLOAT	R/W	Y0
0x0908	FLOAT	R/W	Y1
0x090A	FLOAT	R/W	Y2
0x090C	FLOAT	R/W	Min. relay ON time TK1
0x090E	FLOAT	R/W	Min. relay ON time TK2
Controller 3 parameter set 2			
0x0910	INT	R/W	Controller structure 1
0x0911	INT	R/W	Controller structure 2
0x0912	FLOAT	R/W	Proportional band: XP1
0x0914	FLOAT	R/W	Proportional band: XP2
0x0916	FLOAT	R/W	Derivative time TV1
0x0918	FLOAT	R/W	Derivative time TV2
0x091A	FLOAT	R/W	Reset time TN1
0x091C	FLOAT	R/W	Reset time TN2
0x091E	FLOAT	R/W	Cycle time CY1
0x0920	FLOAT	R/W	Cycle time CY2
0x0922	FLOAT	R/W	Contact spacing Xsh
0x0924	FLOAT	R/W	Switching differential Xd1
0x0926	FLOAT	R/W	Switching differential Xd2
0x0928	FLOAT	R/W	Actuator time TT
0x092A	FLOAT	R/W	Y0
0x092C	FLOAT	R/W	Y1
0x092E	FLOAT	R/W	Y2
0x0930	FLOAT	R/W	Min. relay ON time TK1
0x0932	FLOAT	R/W	Min. relay ON time TK2
Controller 4 parameter set 1			
0x0934	INT	R/W	Controller structure 1
0x0935	INT	R/W	Controller structure 2
0x0936	FLOAT	R/W	Proportional band: XP1

Modbus Addresses for User Level Parameters

Address	Data type	Access	Signal designation
0x0938	FLOAT	R/W	Proportional band: XP2
0x093A	FLOAT	R/W	Derivative time TV1
0x093C	FLOAT	R/W	Derivative time TV2
0x093E	FLOAT	R/W	Reset time TN1
0x0940	FLOAT	R/W	Reset time TN2
0x0942	FLOAT	R/W	Cycle time CY1
0x0944	FLOAT	R/W	Cycle time CY2
0x0946	FLOAT	R/W	Contact spacing Xsh
0x0948	FLOAT	R/W	Switching differential Xd1
0x094A	FLOAT	R/W	Switching differential Xd2
0x094C	FLOAT	R/W	Actuator time TT
0x094E	FLOAT	R/W	Y0
0x0950	FLOAT	R/W	Y1
0x0952	FLOAT	R/W	Y2
0x0954	FLOAT	R/W	Min. relay ON time TK1
0x0956	FLOAT	R/W	Min. relay ON time TK2
Controller 4 parameter set 2			
0x0958	INT	R/W	Controller structure 1
0x0959	INT	R/W	Controller structure 2
0x095A	FLOAT	R/W	Proportional band: XP1
0x095C	FLOAT	R/W	Proportional band: XP2
0x095E	FLOAT	R/W	Derivative time TV1
0x0960	FLOAT	R/W	Derivative time TV2
0x0962	FLOAT	R/W	Reset time TN1
0x0964	FLOAT	R/W	Reset time TN2
0x0966	FLOAT	R/W	Cycle time CY1
0x0968	FLOAT	R/W	Cycle time CY2
0x096A	FLOAT	R/W	Contact spacing Xsh
0x096C	FLOAT	R/W	Switching differential Xd1
0x096E	FLOAT	R/W	Switching differential Xd2
0x0970	FLOAT	R/W	Actuator time TT
0x0972	FLOAT	R/W	Y0
0x0974	FLOAT	R/W	Y1
0x0976	FLOAT	R/W	Y2
0x0978	FLOAT	R/W	Min. relay ON time TK1
0x097A	FLOAT	R/W	Min. relay ON time TK2
Controller 5 parameter set 1			
0x0AE4	INT	R/W	Controller structure 1
0x0AE5	INT	R/W	Controller structure 2
0x0AE6	FLOAT	R/W	Proportional band: XP1

Address	Data type	Access	Signal designation
0x0AE8	FLOAT	R/W	Proportional band: XP2
0x0AEA	FLOAT	R/W	Derivative time TV1
0x0AEC	FLOAT	R/W	Derivative time TV2
0x0AEE	FLOAT	R/W	Reset time TN1
0x0AF0	FLOAT	R/W	Reset time TN2
0x0AF2	FLOAT	R/W	Cycle time CY1
0x0AF4	FLOAT	R/W	Cycle time CY2
0x0AF6	FLOAT	R/W	Contact spacing Xsh
0x0AF8	FLOAT	R/W	Switching differential Xd1
0x0AFA	FLOAT	R/W	Switching differential Xd2
0x0AFC	FLOAT	R/W	Actuator time TT
0x0AFE	FLOAT	R/W	Y0
0x0B00	FLOAT	R/W	Y1
0x0B02	FLOAT	R/W	Y2
0x0B04	FLOAT	R/W	Min. relay ON time TK1
0x0B06	FLOAT	R/W	Min. relay ON time TK2
Controller 5 parameter set 2			
0x0B08	INT	R/W	Controller structure 1
0x0B09	INT	R/W	Controller structure 2
0x0B0A	FLOAT	R/W	Proportional band: XP1
0x0B0C	FLOAT	R/W	Proportional band: XP2
0x0B0E	FLOAT	R/W	Derivative time TV1
0x0B10	FLOAT	R/W	Derivative time TV2
0x0B12	FLOAT	R/W	Reset time TN1
0x0B14	FLOAT	R/W	Reset time TN2
0x0B16	FLOAT	R/W	Cycle time CY1
0x0B18	FLOAT	R/W	Cycle time CY2
0x0B1A	FLOAT	R/W	Contact spacing Xsh
0x0B1C	FLOAT	R/W	Switching differential Xd1
0x0B1E	FLOAT	R/W	Switching differential Xd2
0x0B20	FLOAT	R/W	Actuator time TT
0x0B22	FLOAT	R/W	Y0
0x0B24	FLOAT	R/W	Y1
0x0B26	FLOAT	R/W	Y2
0x0B28	FLOAT	R/W	Min. relay ON time TK1
0x0B2A	FLOAT	R/W	Min. relay ON time TK2
Controller 6 parameter set 1			
0x0B2C	INT	R/W	Controller structure 1
0x0B2D	INT	R/W	Controller structure 2
0x0B2E	FLOAT	R/W	Proportional band: XP1
0x0B30	FLOAT	R/W	Proportional band: XP2

Modbus Addresses for User Level Parameters

Address	Data type	Access	Signal designation
0x0B32	FLOAT	R/W	Derivative time TV1
0x0B34	FLOAT	R/W	Derivative time TV2
0x0B36	FLOAT	R/W	Reset time TN1
0x0B38	FLOAT	R/W	Reset time TN2
0x0B3A	FLOAT	R/W	Cycle time CY1
0x0B3C	FLOAT	R/W	Cycle time CY2
0x0B3E	FLOAT	R/W	Contact spacing Xsh
0x0B40	FLOAT	R/W	Switching differential Xd1
0x0B42	FLOAT	R/W	Switching differential Xd2
0x0B44	FLOAT	R/W	Actuator time TT
0x0B46	FLOAT	R/W	Y0
0x0B48	FLOAT	R/W	Y1
0x0B4A	FLOAT	R/W	Y2
0x0B4C	FLOAT	R/W	Min. relay ON time TK1
0x0B4E	FLOAT	R/W	Min. relay ON time TK2
Controller 6 parameter set 2			
0x0B50	INT	R/W	Controller structure 1
0x0B51	INT	R/W	Controller structure 2
0x0B52	FLOAT	R/W	Proportional band: XP1
0x0B54	FLOAT	R/W	Proportional band: XP2
0x0B56	FLOAT	R/W	Derivative time TV1
0x0B58	FLOAT	R/W	Derivative time TV2
0x0B5A	FLOAT	R/W	Reset time TN1
0x0B5C	FLOAT	R/W	Reset time TN2
0x0B5E	FLOAT	R/W	Cycle time CY1
0x0B60	FLOAT	R/W	Cycle time CY2
0x0B62	FLOAT	R/W	Contact spacing Xsh
0x0B64	FLOAT	R/W	Switching differential Xd1
0x0B66	FLOAT	R/W	Switching differential Xd2
0x0B68	FLOAT	R/W	Actuator time TT
0x0B6A	FLOAT	R/W	Y0
0x0B6C	FLOAT	R/W	Y1
0x0B6E	FLOAT	R/W	Y2
0x0B70	FLOAT	R/W	Min. relay ON time TK1
0x0B72	FLOAT	R/W	Min. relay ON time TK2
Controller 7 parameter set 1			
0x0B74	INT	R/W	Controller structure 1
0x0B75	INT	R/W	Controller structure 2
0x0B76	FLOAT	R/W	Proportional band: XP1
0x0B78	FLOAT	R/W	Proportional band: XP2
0x0B7A	FLOAT	R/W	Derivative time TV1

Address	Data type	Access	Signal designation
0x0B7C	FLOAT	R/W	Derivative time TV2
0x0B7E	FLOAT	R/W	Reset time TN1
0x0B80	FLOAT	R/W	Reset time TN2
0x0B82	FLOAT	R/W	Cycle time CY1
0x0B84	FLOAT	R/W	Cycle time CY2
0x0B86	FLOAT	R/W	Contact spacing Xsh
0x0B88	FLOAT	R/W	Switching differential Xd1
0x0B8A	FLOAT	R/W	Switching differential Xd2
0x0B8C	FLOAT	R/W	Actuator time TT
0x0B8E	FLOAT	R/W	Y0
0x0B90	FLOAT	R/W	Y1
0x0B92	FLOAT	R/W	Y2
0x0B94	FLOAT	R/W	Min. relay ON time TK1
0x0B96	FLOAT	R/W	Min. relay ON time TK2
Controller 7 parameter set 2			
0x0B98	INT	R/W	Controller structure 1
0x0B99	INT	R/W	Controller structure 2
0x0B9A	FLOAT	R/W	Proportional band: XP1
0x0B9C	FLOAT	R/W	Proportional band: XP2
0x0B9E	FLOAT	R/W	Derivative time TV1
0x0BA0	FLOAT	R/W	Derivative time TV2
0x0BA2	FLOAT	R/W	Reset time TN1
0x0BA4	FLOAT	R/W	Reset time TN2
0x0BA6	FLOAT	R/W	Cycle time CY1
0x0BA8	FLOAT	R/W	Cycle time CY2
0x0BAA	FLOAT	R/W	Contact spacing Xsh
0x0BAC	FLOAT	R/W	Switching differential Xd1
0x0BAE	FLOAT	R/W	Switching differential Xd2
0x0BB0	FLOAT	R/W	Actuator time TT
0x0BB2	FLOAT	R/W	Y0
0x0BB4	FLOAT	R/W	Y1
0x0BB6	FLOAT	R/W	Y2
0x0BB8	FLOAT	R/W	Min. relay ON time TK1
0x0BBA	FLOAT	R/W	Min. relay ON time TK2
Controller 8 parameter set 1			
0x0BBC	INT	R/W	Controller structure 1
0x0BBD	INT	R/W	Controller structure 2
0x0BBE	FLOAT	R/W	Proportional band: XP1
0x0BC0	FLOAT	R/W	Proportional band: XP2
0x0BC2	FLOAT	R/W	Derivative time TV1
0x0BC4	FLOAT	R/W	Derivative time TV2

Address	Data type	Access	Signal designation
0x0BC6	FLOAT	R/W	Reset time TN1
0x0BC8	FLOAT	R/W	Reset time TN2
0x0BCA	FLOAT	R/W	Cycle time CY1
0x0BCC	FLOAT	R/W	Cycle time CY2
0x0BCE	FLOAT	R/W	Contact spacing Xsh
0x0BD0	FLOAT	R/W	Switching differential Xd1
0x0BD2	FLOAT	R/W	Switching differential Xd2
0x0BD4	FLOAT	R/W	Actuator time TT
0x0BD6	FLOAT	R/W	Y0
0x0BD8	FLOAT	R/W	Y1
0x0BDA	FLOAT	R/W	Y2
0x0BDC	FLOAT	R/W	Min. relay ON time TK1
0x0BDE	FLOAT	R/W	Min. relay ON time TK2
Controller 8 parameter set 2			
0x0BE0	INT	R/W	Controller structure 1
0x0BE1	INT	R/W	Controller structure 2
0x0BE2	FLOAT	R/W	Proportional band: XP1
0x0BE4	FLOAT	R/W	Proportional band: XP2
0x0BE6	FLOAT	R/W	Derivative time TV1
0x0BE8	FLOAT	R/W	Derivative time TV2
0x0BEA	FLOAT	R/W	Reset time TN1
0x0BEC	FLOAT	R/W	Reset time TN2
0x0BEE	FLOAT	R/W	Cycle time CY1
0x0BF0	FLOAT	R/W	Cycle time CY2
0x0BF2	FLOAT	R/W	Contact spacing Xsh
0x0BF4	FLOAT	R/W	Switching differential Xd1
0x0BF6	FLOAT	R/W	Switching differential Xd2
0x0BF8	FLOAT	R/W	Actuator time TT
0x0BFA	FLOAT	R/W	Y0
0x0BFC	FLOAT	R/W	Y1
0x0BFE	FLOAT	R/W	Y2
0x0C00	FLOAT	R/W	Min. relay ON time TK1
0x0C02	FLOAT	R/W	Min. relay ON time TK2

4. Limit comparators 1 — 16

Address	Data type	Access	Signal designation
0x026E	INT	R/W	Limit comparator 1 function
0x026F	FLOAT	R/W	Limit comparator 1 limit AL

Address	Data type	Access	Signal designation
0x0271	FLOAT	R/W	Limit comparator 1 switching differential Xsd
0x0273	INT	R/W	Limit comparator 1 switch-on delay
0x0274	INT	R/W	Limit comparator 1 switch-off delay
0x0275	INT	R/W	Limit comparator 1 pulse time
0x0276	INT	R/W	Limit comparator 1 logic function
0x0277	INT	R/W	Limit comparator 1 range response
0x0278	INT	R/W	Limit comparator 1 acknowledgement
0x0279	INT	R/W	Limit comparator 1 switching differential function
0x027A	INT	R/W	Limit comparator 1 process value
0x027B	INT	R/W	Limit comparator 1 setpoint
0x027C	INT	R/W	Limit comparator 2 function
0x027D	FLOAT	R/W	Limit comparator 2 limit AL
0x027F	FLOAT	R/W	Limit comparator 2 switching differential Xsd
0x0281	INT	R/W	Limit comparator 2 switch-on delay
0x0282	INT	R/W	Limit comparator 2 switch-off delay
0x0283	INT	R/W	Limit comparator 2 pulse time
0x0284	INT	R/W	Limit comparator 2 logic function
0x0285	INT	R/W	Limit comparator 2 range response
0x0286	INT	R/W	Limit comparator 2 acknowledgement
0x0287	INT	R/W	Limit comparator 2 switching differential function
0x0288	INT	R/W	Limit comparator 2 process value
0x0289	INT	R/W	Limit comparator 2 setpoint
0x028A	INT	R/W	Limit comparator 3 function
0x028B	FLOAT	R/W	Limit comparator 3 limit AL
0x028D	FLOAT	R/W	Limit comparator 3 switching differential Xsd
0x028F	INT	R/W	Limit comparator 3 switch-on delay
0x0290	INT	R/W	Limit comparator 3 switch-off delay
0x0291	INT	R/W	Limit comparator 3 pulse time
0x0292	INT	R/W	Limit comparator 3 logic function
0x0293	INT	R/W	Limit comparator 3 range response
0x0294	INT	R/W	Limit comparator 3 acknowledgement
0x0295	INT	R/W	Limit comparator 3 switching differential function
0x0296	INT	R/W	Limit comparator 3 process value
0x0297	INT	R/W	Limit comparator 3 setpoint
0x0298	INT	R/W	Limit comparator 4 function
0x0299	FLOAT	R/W	Limit comparator 4 limit AL
0x029B	FLOAT	R/W	Limit comparator 4 switching differential Xsd
0x029D	INT	R/W	Limit comparator 4 switch-on delay
0x029E	INT	R/W	Limit comparator 4 switch-off delay

Modbus Addresses for User Level Parameters

Address	Data type	Access	Signal designation
0x029F	INT	R/W	Limit comparator 4 pulse time
0x02A0	INT	R/W	Limit comparator 4 logic function
0x02A1	INT	R/W	Limit comparator 4 range response
0x02A2	INT	R/W	Limit comparator 4 acknowledgement
0x02A3	INT	R/W	Limit comparator 4 switching differential function
0x02A4	INT	R/W	Limit comparator 4 process value
0x02A5	INT	R/W	Limit comparator 4 setpoint
0x02A6	INT	R/W	Limit comparator 5 function
0x02A7	FLOAT	R/W	Limit comparator 5 limit AL
0x02A9	FLOAT	R/W	Limit comparator 5 switching differential Xsd
0x02AB	INT	R/W	Limit comparator 5 switch-on delay
0x02AC	INT	R/W	Limit comparator 5 switch-off delay
0x02AD	INT	R/W	Limit comparator 5 pulse time
0x02AE	INT	R/W	Limit comparator 5 logic function
0x02AF	INT	R/W	Limit comparator 5 range response
0x02B0	INT	R/W	Limit comparator 5 acknowledgement
0x02B1	INT	R/W	Limit comparator 5 switching differential function
0x02B2	INT	R/W	Limit comparator 5 process value
0x02B3	INT	R/W	Limit comparator 5 setpoint
0x02B4	INT	R/W	Limit comparator 6 function
0x02B5	FLOAT	R/W	Limit comparator 6 limit AL
0x02B7	FLOAT	R/W	Limit comparator 6 switching differential Xsd
0x02B9	INT	R/W	Limit comparator 6 switch-on delay
0x02BA	INT	R/W	Limit comparator 6 switch-off delay
0x02BB	INT	R/W	Limit comparator 6 pulse time
0x02BC	INT	R/W	Limit comparator 6 logic function
0x02BD	INT	R/W	Limit comparator 6 range response
0x02BE	INT	R/W	Limit comparator 6 acknowledgement
0x02BF	INT	R/W	Limit comparator 6 switching differential function
0x02C0	INT	R/W	Limit comparator 6 process value
0x02C1	INT	R/W	Limit comparator 6 setpoint
0x02C2	INT	R/W	Limit comparator 7 function
0x02C3	FLOAT	R/W	Limit comparator 7 limit AL
0x02C5	FLOAT	R/W	Limit comparator 7 switching differential Xsd
0x02C7	INT	R/W	Limit comparator 7 switch-on delay
0x02C8	INT	R/W	Limit comparator 7 switch-off delay
0x02C9	INT	R/W	Limit comparator 7 pulse time
0x02CA	INT	R/W	Limit comparator 7 logic function
0x02CB	INT	R/W	Limit comparator 7 range response

Address	Data type	Access	Signal designation
0x02CC	INT	R/W	Limit comparator 7 acknowledgement
0x02CD	INT	R/W	Limit comparator 7 switching differential function
0x02CE	INT	R/W	Limit comparator 7 process value
0x02CF	INT	R/W	Limit comparator 7 setpoint
0x02D0	INT	R/W	Limit comparator 8 function
0x02D1	FLOAT	R/W	Limit comparator 8 limit AL
0x02D3	FLOAT	R/W	Limit comparator 8 switching differential Xsd
0x02D5	INT	R/W	Limit comparator 8 switch-on delay
0x02D6	INT	R/W	Limit comparator 8 switch-off delay
0x02D7	INT	R/W	Limit comparator 8 pulse time
0x02D8	INT	R/W	Limit comparator 8 logic function
0x02D9	INT	R/W	Limit comparator 8 range response
0x02DA	INT	R/W	Limit comparator 8 acknowledgement
0x02DB	INT	R/W	Limit comparator 8 switching differential function
0x02DC	INT	R/W	Limit comparator 8 process value
0x02DD	INT	R/W	Limit comparator 8 setpoint
0x02DE	INT	R/W	Limit comparator 9 function
0x02DF	FLOAT	R/W	Limit comparator 9 limit AL
0x02E1	FLOAT	R/W	Limit comparator 9 switching differential Xsd
0x02E3	INT	R/W	Limit comparator 9 switch-on delay
0x02E4	INT	R/W	Limit comparator 9 switch-off delay
0x02E5	INT	R/W	Limit comparator 9 pulse time
0x02E6	INT	R/W	Limit comparator 9 logic function
0x02E7	INT	R/W	Limit comparator 9 range response
0x02E8	INT	R/W	Limit comparator 9 acknowledgement
0x02E9	INT	R/W	Limit comparator 9 switching differential function
0x02EA	INT	R/W	Limit comparator 9 process value
0x02EB	INT	R/W	Limit comparator 9 setpoint
0x02EC	INT	R/W	Limit comparator 10 function
0x02ED	FLOAT	R/W	Limit comparator 10 limit AL
0x02EF	FLOAT	R/W	Limit comparator 10 switching differential Xsd
0x02F1	INT	R/W	Limit comparator 10 switch-on delay
0x02F2	INT	R/W	Limit comparator 10 switch-off delay
0x02F3	INT	R/W	Limit comparator 10 pulse time
0x02F4	INT	R/W	Limit comparator 10 logic function
0x02F5	INT	R/W	Limit comparator 10 range response
0x02F6	INT	R/W	Limit comparator 10 acknowledgement
0x02F7	INT	R/W	Limit comparator 10 switching differential function
0x02F8	INT	R/W	Limit comparator 10 process value

Modbus Addresses for User Level Parameters

Address	Data type	Access	Signal designation
0x02F9	INT	R/W	Limit comparator 10 setpoint
0x02FA	INT	R/W	Limit comparator 11 function
0x02FB	FLOAT	R/W	Limit comparator 11 limit AL
0x02FD	FLOAT	R/W	Limit comparator 11 switching differential Xsd
0x02FF	INT	R/W	Limit comparator 11 switch-on delay
0x0300	INT	R/W	Limit comparator 11 switch-off delay
0x0301	INT	R/W	Limit comparator 11 pulse time
0x0302	INT	R/W	Limit comparator 11 logic function
0x0303	INT	R/W	Limit comparator 11 range response
0x0304	INT	R/W	Limit comparator 11 acknowledgement
0x0305	INT	R/W	Limit comparator 11 switching differential function
0x0306	INT	R/W	Limit comparator 11 process value
0x0307	INT	R/W	Limit comparator 11 setpoint
0x0308	INT	R/W	Limit comparator 12 function
0x0309	FLOAT	R/W	Limit comparator 12 limit AL
0x030B	FLOAT	R/W	Limit comparator 12 switching differential Xsd
0x030D	INT	R/W	Limit comparator 12 switch-on delay
0x030E	INT	R/W	Limit comparator 12 switch-off delay
0x030F	INT	R/W	Limit comparator 12 pulse time
0x0310	INT	R/W	Limit comparator 12 logic function
0x0311	INT	R/W	Limit comparator 12 range response
0x0312	INT	R/W	Limit comparator 12 acknowledgement
0x0313	INT	R/W	Limit comparator 12 switching differential function
0x0314	INT	R/W	Limit comparator 12 process value
0x0315	INT	R/W	Limit comparator 12 setpoint
0x0316	INT	R/W	Limit comparator 13 function
0x0317	FLOAT	R/W	Limit comparator 13 limit AL
0x0319	FLOAT	R/W	Limit comparator 13 switching differential Xsd
0x031B	INT	R/W	Limit comparator 13 switch-on delay
0x031C	INT	R/W	Limit comparator 13 switch-off delay
0x031D	INT	R/W	Limit comparator 13 pulse time
0x031E	INT	R/W	Limit comparator 13 logic function
0x031F	INT	R/W	Limit comparator 13 range response
0x0320	INT	R/W	Limit comparator 13 acknowledgement
0x0321	INT	R/W	Limit comparator 13 switching differential function
0x0322	INT	R/W	Limit comparator 13 process value
0x0323	INT	R/W	Limit comparator 13 setpoint
0x0324	INT	R/W	Limit comparator 14 function
0x0325	FLOAT	R/W	Limit comparator 14 limit AL

Address	Data type	Access	Signal designation
0x0327	FLOAT	R/W	Limit comparator 14 switching differential Xsd
0x0329	INT	R/W	Limit comparator 14 switch-on delay
0x032A	INT	R/W	Limit comparator 14 switch-off delay
0x032B	INT	R/W	Limit comparator 14 pulse time
0x032C	INT	R/W	Limit comparator 14 logic function
0x032D	INT	R/W	Limit comparator 14 range response
0x032E	INT	R/W	Limit comparator 14 acknowledgement
0x032F	INT	R/W	Limit comparator 14 switching differential function
0x0330	INT	R/W	Limit comparator 14 process value
0x0331	INT	R/W	Limit comparator 14 setpoint
0x0332	INT	R/W	Limit comparator 15 function
0x0333	FLOAT	R/W	Limit comparator 15 limit AL
0x0335	FLOAT	R/W	Limit comparator 15 switching differential Xsd
0x0337	INT	R/W	Limit comparator 15 switch-on delay
0x0338	INT	R/W	Limit comparator 15 switch-off delay
0x0339	INT	R/W	Limit comparator 15 pulse time
0x033A	INT	R/W	Limit comparator 15 logic function
0x033B	INT	R/W	Limit comparator 15 range response
0x033C	INT	R/W	Limit comparator 15 acknowledgement
0x033D	INT	R/W	Limit comparator 15 switching differential function
0x033E	INT	R/W	Limit comparator 15 process value
0x033F	INT	R/W	Limit comparator 15 setpoint
0x0340	INT	R/W	Limit comparator 16 function
0x0341	FLOAT	R/W	Limit comparator 16 limit AL
0x0343	FLOAT	R/W	Limit comparator 16 switching differential Xsd
0x0345	INT	R/W	Limit comparator 16 switch-on delay
0x0346	INT	R/W	Limit comparator 16 switch-off delay
0x0347	INT	R/W	Limit comparator 16 pulse time
0x0348	INT	R/W	Limit comparator 16 logic function
0x0349	INT	R/W	Limit comparator 16 range response
0x034A	INT	R/W	Limit comparator 16 acknowledgement
0x034B	INT	R/W	Limit comparator 16 switching differential function
0x034C	INT	R/W	Limit comparator 16 process value
0x034D	INT	R/W	Limit comparator 16 setpoint

5. Generator

Address	Data type	Access	Signal designation
0x034E	INT	R/W	Ramp function controller 1 => function
0x034F	INT	R/W	Ramp function controller 1 => unit
0x0350	FLOAT	R/W	Ramp function controller 1 => slope
0x0352	INT	R/W	Ramp function controller 2 => function
0x0353	INT	R/W	Ramp function controller 2 => unit
0x0354	FLOAT	R/W	Ramp function controller 2 => slope
0x0356	INT	R/W	Ramp function controller 3 => function
0x0357	INT	R/W	Ramp function controller 3 => unit
0x0358	FLOAT	R/W	Ramp function controller 3 => slope
0x035A	INT	R/W	Ramp function controller 4 => function
0x035B	INT	R/W	Ramp function controller 4 => unit
0x035C	FLOAT	R/W	Ramp function controller 4 => slope
0x0AD3	INT	R/W	Ramp function controller 5 => function
0x0AD4	INT	R/W	Ramp function controller 5 => unit
0x0AD5	FLOAT	R/W	Ramp function controller 5 => slope
0x0AD7	INT	R/W	Ramp function controller 6 => function
0x0AD8	INT	R/W	Ramp function controller 6 => unit
0x0AD9	FLOAT	R/W	Ramp function controller 6 => slope
0x0ADB	INT	R/W	Ramp function controller 7 => function
0x0ADC	INT	R/W	Ramp function controller 7 => unit
0x0ADD	FLOAT	R/W	Ramp function controller 7 => slope
0x0ADF	INT	R/W	Ramp function controller 8 => function
0x0AE0	INT	R/W	Ramp function controller 8 => unit
0x0AE1	FLOAT	R/W	Ramp function controller 8 => slope
0x035E	INT	R/W	Program function
0x035F	INT	R/W	Response to power failure
0x0360	INT	R/W	Program start
0x0361	INT	R/W	reserved
0x0362	INT	R/W	Range response
0x0363	INT	R/W	Start at time
0x0364	INT	R/W	Setpoint input

5.1 System status

Address	Data type	Access	Signal designation
Generator			
0x0382	FLOAT	R/W	Setpoint 1 basic status, program channel 1
0x0384	FLOAT	R/W	Setpoint 1 basic status, program channel 2
0x0386	FLOAT	R/W	Setpoint 1 basic status, program channel 3
0x0388	FLOAT	R/W	Setpoint 1 basic status, program channel 4
0x038A	FLOAT	R/W	Setpoint 2 basic status, program channel 1
0x038C	FLOAT	R/W	Setpoint 2 basic status, program channel 2
0x038E	FLOAT	R/W	Setpoint 2 basic status, program channel 3
0x0390	FLOAT	R/W	Setpoint 2 basic status, program channel 4
0x039B	FLOAT	R/W	Setpoint 1 manual mode, program channel 1
0x039D	FLOAT	R/W	Setpoint 1 manual mode, program channel 2
0x039F	FLOAT	R/W	Setpoint 1 manual mode, program channel 3
0x03A1	FLOAT	R/W	Setpoint 1 manual mode, program channel 4
0x03A3	FLOAT	R/W	Setpoint 2 manual mode, program channel 1
0x03A5	FLOAT	R/W	Setpoint 2 manual mode, program channel 2
0x03A7	FLOAT	R/W	Setpoint 2 manual mode, program channel 3
0x03A9	FLOAT	R/W	Setpoint 2 manual mode, program channel 4

6. Analog inputs 1 — 8

Address	Data type	Access	Signal designation
0x03CB	INT	R/W	Temperature unit
0x03CC	INT	R/W	Supply frequency
0x03CD	INT	R/W	Sampling time
0x03CE	INT	R/W	reserved
0x03CF	INT	R/W	Analog input 1 probe type
0x03D0	INT	R/W	Analog input 1 linearization
0x03D1	INT	R/W	Analog input 1 temperature compensation
0x03D2	INT	R/W	Analog input 1 heater current monitoring
0x03D3	FLOAT	R/W	Analog input 1 external temperature compensation
0x03D5	FLOAT	R/W	Analog input 1 display range start
0x03D7	FLOAT	R/W	Analog input 1 display range end
0x03D9	FLOAT	R/W	Analog input 1 measurement range limit start
0x03DB	FLOAT	R/W	Analog input 1 measurement range limit end
0x03DD	FLOAT	R/W	Analog input 1 offset
0x03DF	FLOAT	R/W	Analog input 1, correction for KTY at 25°C
0x03E1	FLOAT	R/W	Analog input1 filter time constant

Modbus Addresses for User Level Parameters

Address	Data type	Access	Signal designation
0x03E3	INT	R/W	Analog input 2 probe type
0x03E4	INT	R/W	Analog input 2 linearization
0x03E5	INT	R/W	Analog input 2 temperature compensation
0x03E6	INT	R/W	Analog input 2 heater current monitoring
0x03E7	FLOAT	R/W	Analog input 2 external temperature compensation
0x03E9	FLOAT	R/W	Analog input 2 display range start
0x03EB	FLOAT	R/W	Analog input 2 display range end
0x03ED	FLOAT	R/W	Analog input 2 measurement range limit start
0x03EF	FLOAT	R/W	Analog input 2 measurement range limit end
0x03F1	FLOAT	R/W	Analog input 2 offset
0x03F3	FLOAT	R/W	Analog input 2, correction for KTY at 25°C
0x03F5	FLOAT	R/W	Analog input 2 filter time constant
0x03F7	INT	R/W	Analog input 3 probe type
0x03F8	INT	R/W	Analog input 3 linearization
0x03F9	INT	R/W	Analog input 3 temperature compensation
0x03FA	INT	R/W	Analog input 3 heater current monitoring
0x03FB	FLOAT	R/W	Analog input 3 external temperature compensation
0x03FD	FLOAT	R/W	Analog input 3 display range start
0x03FF	FLOAT	R/W	Analog input 3 display range end
0x0401	FLOAT	R/W	Analog input 3 measurement range limit start
0x0403	FLOAT	R/W	Analog input 3 measurement range limit end
0x0405	FLOAT	R/W	Analog input 3 offset
0x0407	FLOAT	R/W	Analog input 3, correction for KTY at 25°C
0x0409	FLOAT	R/W	Analog input 3 filter time constant
0x040B	INT	R/W	Analog input 4 probe type
0x040C	INT	R/W	Analog input 4 linearization
0x040D	INT	R/W	Analog input 4 temperature compensation
0x040E	INT	R/W	Analog input 4 heater current monitoring
0x040F	FLOAT	R/W	Analog input 4 external temperature compensation
0x0411	FLOAT	R/W	Analog input 4 display range start
0x0413	FLOAT	R/W	Analog input 4 display range end
0x0415	FLOAT	R/W	Analog input 4 measurement range limit start
0x0417	FLOAT	R/W	Analog input 4 measurement range limit end
0x0419	FLOAT	R/W	Analog input 4 offset
0x041B	FLOAT	R/W	Analog input 4, correction for KTY at 25°C
0x041D	FLOAT	R/W	Analog input 4 filter time constant
0x041F	INT	R/W	Analog input 5 probe type
0x0420	INT	R/W	Analog input 5 linearization
0x0421	INT	R/W	Analog input 5 temperature compensation

Address	Data type	Access	Signal designation
0x0422	INT	R/W	Analog input 5 heater current monitoring
0x0423	FLOAT	R/W	Analog input 5 external temperature compensation
0x0425	FLOAT	R/W	Analog input 5 display range start
0x0427	FLOAT	R/W	Analog input 5 display range end
0x0429	FLOAT	R/W	Analog input 5 measurement range limit start
0x042B	FLOAT	R/W	Analog input 5 measurement range limit end
0x042D	FLOAT	R/W	Analog input 5 offset
0x042F	FLOAT	R/W	Analog input 5, correction for KTY at 25°C
0x0431	FLOAT	R/W	Analog input 5 filter time constant
0x0433	INT	R/W	Analog input 6 probe type
0x0434	INT	R/W	Analog input 6 linearization
0x0435	INT	R/W	Analog input 6 temperature compensation
0x0436	INT	R/W	Analog input 6 heater current monitoring
0x0437	FLOAT	R/W	Analog input 6 external temperature compensation
0x0439	FLOAT	R/W	Analog input 6 display range start
0x043B	FLOAT	R/W	Analog input 6 display range end
0x043D	FLOAT	R/W	Analog input 6 measurement range limit start
0x043F	FLOAT	R/W	Analog input 6 measurement range limit end
0x0441	FLOAT	R/W	Analog input 6 offset
0x0443	FLOAT	R/W	Analog input 6, correction for KTY at 25°C
0x0445	FLOAT	R/W	Analog input 6 filter time constant
0x0447	INT	R/W	Analog input 7 probe type
0x0448	INT	R/W	Analog input 7 linearization
0x0449	INT	R/W	Analog input 7 temperature compensation
0x044A	INT	R/W	Analog input 7 heater current monitoring
0x044B	FLOAT	R/W	Analog input 7 external temperature compensation
0x044D	FLOAT	R/W	Analog input 7 display range start
0x044F	FLOAT	R/W	Analog input 7 display range end
0x0451	FLOAT	R/W	Analog input 7 measurement range limit start
0x0453	FLOAT	R/W	Analog input 7 measurement range limit end
0x0455	FLOAT	R/W	Analog input 7 offset
0x0457	FLOAT	R/W	Analog input 7, correction for KTY at 25°C
0x0459	FLOAT	R/W	Analog input 7 filter time constant
0x045B	INT	R/W	Analog input 8 probe type
0x045C	INT	R/W	Analog input 8 linearization
0x045D	INT	R/W	Analog input 8 temperature compensation
0x045E	INT	R/W	Analog input 8 heater current monitoring
0x045F	FLOAT	R/W	Analog input 8 external temperature compensation
0x0461	FLOAT	R/W	Analog input 8 display range start

Address	Data type	Access	Signal designation
0x0463	FLOAT	R/W	Analog input 8 display range end
0x0465	FLOAT	R/W	Analog input 8 measurement range limit start
0x0467	FLOAT	R/W	Analog input 8 measurement range limit end
0x0469	FLOAT	R/W	Analog input 8 offset
0x046B	FLOAT	R/W	Analog input 8, correction for KTY at 25°C
0x046D	FLOAT	R/W	Analog input 8 filter time constant

7. Logic functions (alarms for analog inputs)

Address	Data type	Access	Signal designation
Analog inputs 1 — 8			
0x046F	FLOAT	R/W	Analog input 1 alarm, Low limit
0x0471	FLOAT	R/W	Analog input 1 alarm, High limit
0x0473	FLOAT	R/W	Analog input 1 alarm, hysteresis
0x0475	INT	R/W	Analog input 1 alarm/message/inactive
0x0476	INT	R/W	Analog input 1 alarm, Low text
0x0477	INT	R/W	Analog input 1 alarm, High text
0x0478	INT	R/W	Analog input 1 alarm, time delay
0x0479	FLOAT	R/W	Analog input 2 alarm, Low limit
0x047B	FLOAT	R/W	Analog input 2 alarm, High limit
0x047D	FLOAT	R/W	Analog input 2 alarm, hysteresis
0x047F	INT	R/W	Analog input 2 alarm/message/inactive
0x0480	INT	R/W	Analog input 2 alarm, Low text
0x0481	INT	R/W	Analog input 2 alarm, High text
0x0482	INT	R/W	Analog input 2 alarm, time delay
0x0483	FLOAT	R/W	Analog input 3 alarm, Low limit
0x0485	FLOAT	R/W	Analog input 3 alarm, High limit
0x0487	FLOAT	R/W	Analog input 3 alarm, hysteresis
0x0489	INT	R/W	Analog input 3 alarm/message/inactive
0x048A	INT	R/W	Analog input 3 alarm, Low text
0x048B	INT	R/W	Analog input 3 alarm, High text
0x048C	INT	R/W	Analog input 3 alarm, time delay
0x048D	FLOAT	R/W	Analog input 4 alarm, Low limit
0x048F	FLOAT	R/W	Analog input 4 alarm, High limit
0x0491	FLOAT	R/W	Analog input 4 alarm, hysteresis
0x0493	INT	R/W	Analog input 4 alarm/message/inactive
0x0494	INT	R/W	Analog input 4 alarm, Low text
0x0495	INT	R/W	Analog input 4 alarm, High text
0x0496	INT	R/W	Analog input 4 alarm, time delay
0x0497	FLOAT	R/W	Analog input 5 alarm, Low limit

Address	Data type	Access	Signal designation
0x0499	FLOAT	R/W	Analog input 5 alarm, High limit
0x049B	FLOAT	R/W	Analog input 5 alarm, hysteresis
0x049D	INT	R/W	Analog input 5 alarm/message/inactive
0x049E	INT	R/W	Analog input 5 alarm, Low text
0x049F	INT	R/W	Analog input 5 alarm, High text
0x04A0	INT	R/W	Analog input 5 alarm, time delay
0x04A1	FLOAT	R/W	Analog input 6 alarm, Low limit
0x04A3	FLOAT	R/W	Analog input 6 alarm, High limit
0x04A5	FLOAT	R/W	Analog input 6 alarm, hysteresis
0x04A7	INT	R/W	Analog input 6 alarm/message/inactive
0x04A8	INT	R/W	Analog input 6 alarm, Low text
0x04A9	INT	R/W	Analog input 6 alarm, High text
0x04AA	INT	R/W	Analog input 6 alarm, time delay
0x04AB	FLOAT	R/W	Analog input 7 alarm, Low limit
0x04AD	FLOAT	R/W	Analog input 7 alarm, High limit
0x04AF	FLOAT	R/W	Analog input 7 alarm, hysteresis
0x04B1	INT	R/W	Analog input 7 alarm/message/inactive
0x04B2	INT	R/W	Analog input 7 alarm, Low text
0x04B3	INT	R/W	Analog input 7 alarm, High text
0x04B4	INT	R/W	Analog input 7 alarm, time delay
0x04B5	FLOAT	R/W	Analog input 8 alarm, Low limit
0x04B7	FLOAT	R/W	Analog input 8 alarm, High limit
0x04B9	FLOAT	R/W	Analog input 8 alarm, hysteresis
0x04BB	INT	R/W	Analog input 8 alarm/message/inactive
0x04BC	INT	R/W	Analog input 8 alarm, Low text
0x04BD	INT	R/W	Analog input 8 alarm, High text
0x04BE	INT	R/W	Analog input 8 alarm, time delay

8. Outputs

Address	Data type	Access	Signal designation
Analog outputs 1— 6			
0x04BF	INT	R/W	Analog output 1 function
0x04C0	INT	R/W	Analog output 1 signal
0x04C1	FLOAT	R/W	Analog output 1 zero point
0x04C3	FLOAT	R/W	Analog output 1 end value
0x04C5	FLOAT	R/W	Analog output 1 offset
0x04C7	INT	R/W	Analog output 1 signal for range
0x04C8	INT	R/W	Analog output 2 function
0x04C9	INT	R/W	Analog output 2 signal

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Address	Data type	Access	Signal designation
0x04CA	FLOAT	R/W	Analog output 2 zero point
0x04CC	FLOAT	R/W	Analog output 2 end value
0x04CE	FLOAT	R/W	Analog output 2 offset
0x04D0	INT	R/W	Analog output 2 signal for range
0x04D1	INT	R/W	Analog output 3 function
0x04D2	INT	R/W	Analog output 3 signal
0x04D3	FLOAT	R/W	Analog output 3 zero point
0x04D5	FLOAT	R/W	Analog output 3 end value
0x04D7	FLOAT	R/W	Analog output 3 offset
0x04D9	INT	R/W	Analog output 3 signal for range
0x04DA	INT	R/W	Analog output 4 function
0x04DB	INT	R/W	Analog output 4 signal
0x04DC	FLOAT	R/W	Analog output 4 zero point
0x04DE	FLOAT	R/W	Analog output 4 end value
0x04E0	FLOAT	R/W	Analog output 4 offset
0x04E2	INT	R/W	Analog output 4 signal for range
0x04E3	INT	R/W	Analog output 5 function
0x04E4	INT	R/W	Analog output 5 signal
0x04E5	FLOAT	R/W	Analog output 5 zero point
0x04E7	FLOAT	R/W	Analog output 5 end value
0x04E9	FLOAT	R/W	Analog output 5 offset
0x04EB	INT	R/W	Analog output 5 signal for range
0x04EC	INT	R/W	Analog output 6 function
0x04ED	INT	R/W	Analog output 6 signal
0x04EE	FLOAT	R/W	Analog output 6 zero point
0x04F0	FLOAT	R/W	Analog output 6 end value
0x04F2	FLOAT	R/W	Analog output 6 offset
0x04F4	INT	R/W	Analog output 6 signal for range

Address	Data type	Access	Signal designation
Logic outputs 1 — 12			
0x04F5	INT	R/W	Logic output 1 function
0x04F7	INT	R/W	Logic output 1 output type
0x04F8	INT	R/W	Logic output 1 switch-on time
0x04F9	INT	R/W	Logic output 1 switch-off time
0x04FA	INT	R/W	Logic output 2 function
0x04FC	INT	R/W	Logic output 2 output type
0x04FD	INT	R/W	Logic output 2 switch-on time

Address	Data type	Access	Signal designation
0x04FE	INT	R/W	Logic output 2 switch-off time
0x04FF	INT	R/W	Logic output 3 function
0x0501	INT	R/W	Logic output 3 output type
0x0502	INT	R/W	Logic output 3 switch-on time
0x0503	INT	R/W	Logic output 3 switch-off time
0x0504	INT	R/W	Logic output 4 function
0x0506	INT	R/W	Logic output 4 output type
0x0507	INT	R/W	Logic output 4 switch-on time
0x0508	INT	R/W	Logic output 4 switch-off time
0x0509	INT	R/W	Logic output 5 function
0x050B	INT	R/W	Logic output 5 output type
0x050C	INT	R/W	Logic output 5 switch-on time
0x050D	INT	R/W	Logic output 5 switch-off time
0x050E	INT	R/W	Logic output 6 function
0x0510	INT	R/W	Logic output 6 output type
0x0511	INT	R/W	Logic output 6 switch-on time
0x0512	INT	R/W	Logic output 6 switch-off time
0x0513	INT	R/W	Logic output 7 function
0x0515	INT	R/W	Logic output 7 output type
0x0516	INT	R/W	Logic output 7 switch-on time
0x0517	INT	R/W	Logic output 7 switch-off time
0x0518	INT	R/W	Logic output 8 function
0x051A	INT	R/W	Logic output 8 output type
0x051B	INT	R/W	Logic output 8 switch-on time
0x051C	INT	R/W	Logic output 8 switch-off time
0x051D	INT	R/W	Logic output 9 function
0x051F	INT	R/W	Logic output 9 output type
0x0520	INT	R/W	Logic output 9 switch-on time
0x0521	INT	R/W	Logic output 9 switch-off time
0x0522	INT	R/W	Logic output 10 function
0x0524	INT	R/W	Logic output 10 output type
0x0525	INT	R/W	Logic output 10 switch-on time
0x0526	INT	R/W	Logic output 10 switch-off time
0x0527	INT	R/W	Logic output 11 function
0x0529	INT	R/W	Logic output 11 output type
0x052A	INT	R/W	Logic output 11 switch-on time

Address	Data type	Access	Signal designation
0x052B	INT	R/W	Logic output 11 switch-off time
0x052C	INT	R/W	Logic output 12 function
0x052E	INT	R/W	Logic output 12 output type
0x052F	INT	R/W	Logic output 12 switch-on time
0x0530	INT	R/W	Logic output 12 switch-off time

9. C-level

Address	Data type	Access	Signal designation
0x059E	INT	R/W	C-level 1 => cycle time
0x059F	INT	R/W	C-level 1 => flushing time
0x05A0	INT	R/W	C-level 1 => recovery time
0x05A2	FLOAT	R/W	C-level 1 => CO content
0x05A4	FLOAT	R/W	C-level 1 => CO correction
0x05A9	INT	R/W	C-level 2 => cycle time
0x05AA	INT	R/W	C-level 2 => flushing time
0x05AB	INT	R/W	C-level 2 => recovery time
0x05AD	FLOAT	R/W	C-level 2 => CO content
0x05AF	FLOAT	R/W	C-level 2 => CO correction
0x0C07	INT	R/W	C-level 3 => cycle time
0x0C08	INT	R/W	C-level 3 => flushing time
0x0C09	INT	R/W	C-level 3 => recovery time
0x0C0B	FLOAT	R/W	C-level 3 => CO content
0x0C0D	FLOAT	R/W	C-level 3 => CO correction
0x0C12	INT	R/W	C-level 4 => cycle time
0x0C13	INT	R/W	C-level 4 => flushing time
0x0C14	INT	R/W	C-level 4 => recovery time
0x0C16	FLOAT	R/W	C-level 4 => CO content
0x0C18	FLOAT	R/W	C-level 4 => CO correction

10. Display

Address	Data type	Access	Signal designation
General			
0x080F	INT	R/W	Contrast setting
0x0810	INT	R/W	Screen saving
0x0811	INT	R/W	Timeout setting

Address	Data type	Access	Signal designation
0x0812	INT	R/W	Channel changeover
0x0813	INT	R/W	Channel indication

11. Timer

Address	Data type	Access	Signal designation
0x0C26	LONG	R/W	T1 timer value
0x0C28	LONG	R/W	T2 timer value
0x0C2A	LONG	R/W	T3 timer value
0x0C2C	LONG	R/W	T4 timer value

12. Profibus markers

Address	Data type	Access	Signal designation
0x0C1A	FLOAT	R/W	PROFIBUS-DP analog marker 1
0x0C1C	FLOAT	R/W	PROFIBUS-DP analog marker 2
0x0C1E	FLOAT	R/W	PROFIBUS-DP analog marker 3
0x0C20	FLOAT	R/W	PROFIBUS-DP analog marker 4
0x0C22	INT	R/W	PROFIBUS-DP logic marker 1
0x0C23	INT	R/W	PROFIBUS-DP logic marker 2
0x0C24	INT	R/W	PROFIBUS-DP logic marker 3
0x0C25	INT	R/W	PROFIBUS-DP logic marker 4

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