

TR42Ex5 - MODBUS MEMORY MAP

Add (Hex)	MODBUS REG. ADD (Dec)	Size	Description	Unit	Min	Step 1	Level 1	Step 2	Level 2	Step 3	Max	Initial Value	Format	Read/ Write
0000	300001	1 W	Product Code	---	---	---	---	---	---	---	---	42	2	R
0001	300002	1 W	Product Model	---	---	---	---	---	---	---	---	12	1	R
0002	300003	1 W	Version Number	---	---	---	---	---	---	---	---	4,02	6	R
0003	300004	77 W	Reserved											
0050	300081	1 W	Command Operation Code	---	---	---	---	---	---	---	---	---	4200	W
0051	300082	1 W	Command Password	---	---	---	---	---	---	---	---	---	2	W
0052	300083	78 W	Reserved											
00A0	300161	1 W	IP/Subnet/Gateway 1st octect Preset	---	0	1	---	---	---	---	255	192	2	R/W
00A1	300162	1 W	IP/Subnet/Gateway 2nd octect Preset	---	0	1	---	---	---	---	255	168	2	R/W
00A2	300163	1 W	IP/Subnet/Gateway 3rd octect Preset	---	0	1	---	---	---	---	255	1	2	R/W
00A3	300164	1 W	IP/Subnet/Gateway 4th octect Preset	---	0	1	---	---	---	---	255	250	2	R/W
00A4	300165	92 W	Reserved											
0100	300257	1 W	L1 Value	°C	0	1	---	---	---	---	219	135	1	R/W
0101	300258	1 W	L2 Value	°C	1	1	---	---	---	---	220	150	1	R/W
0102	300259	1 W	FAN1 Low Value	°C	0	1	---	---	---	---	219	100	1	R/W
0103	300260	1 W	FAN1 High Value	°C	1	1	---	---	---	---	220	110	1	R/W
0104	300261	1 W	RTD Connected	---	1	1	---	---	---	---	4	3	2	R/W
0105	300262	1 W	FAN Activation	---	0	1	---	---	---	---	4	3	4255	R/W
0106	300263	1 W	RTD For Command FAN1	---	0	1	---	---	---	---	4	2	4250	R/W
0107	300264	1 W	Weekly Automatic On FAN	---	0	1	---	---	---	---	1	0	4230	R/W
0108	400265	3 W	Reserved											
010B	400268	1 W	Password Request for Setpoint Modification	---	0	1	---	---	---	---	1	0	4230	R/W
010C	400269	1 W	FAN2 Low Value	°C	0	1	---	---	---	---	219	100	1	R/W
010D	400270	1 W	FAN2 High Value	°C	1	1	---	---	---	---	220	110	1	R/W
010E	400271	1 W	RTD For Command FAN2	---	0	1	---	---	---	---	4	2	4250	R/W
010F	400272	1 W	Delta FAN1/FAN2 (Advanced Mode)	°C	5	1	---	---	---	---	20	10	1	R/W
0110	400273	16 W	Reserved											
0120	400289	1 W	Buzzer Activation	---	0	1	---	---	---	---	2	0	4245	R/W
0121	400290	223 W	Reserved											
0200	300513	1 W	RTD Input 1	°C	-10	0,1	---	---	---	---	240	---	3	R
0201	300514	1 W	RTD Input 2	°C	-10	0,1	---	---	---	---	240	---	3	R
0202	300515	1 W	RTD Input 3	°C	-10	0,1	---	---	---	---	240	---	3	R
0203	300516	1 W	RTD Input 4	°C	-10	0,1	---	---	---	---	240	---	3	R
0204	300517	1 W	Maximum RTD Input 1	°C	0	1	---	---	---	---	240	---	1	R
0205	300518	1 W	Maximum RTD Input 2	°C	0	1	---	---	---	---	240	---	1	R
0206	300519	1 W	Maximum RTD Input 3	°C	0	1	---	---	---	---	240	---	1	R
0207	300520	1 W	Maximum RTD Input 4	°C	0	1	---	---	---	---	240	---	1	R
0208	300521	6 W	Reserved											
020E	300527	1 W	Relay Status	BitField	---	---	---	---	---	---	---	---	4261	R
020F	300528	1 W	General Status (1st word)	BitField	---	---	---	---	---	---	---	---	4257	R
0210	300529	1 W	Only Local / Local+Remote Control	---	0	1	---	---	---	---	1	---	4241	R
0211	300530	8 W	Reserved											
0219	300538	1 W	General Status (2nd word)	BitField	---	---	---	---	---	---	---	---	4260	R
021A	300539	9 W	Reserved											
0223	300548	1 W	User Logged	---	0	1	---	---	---	---	1	0	4242	R
0224	300549	60 W	Reserved											
0260	300609	1 W	IP Address 1st Octect	---	0	1	---	---	---	---	255	---	2	R
0261	300610	1 W	IP Address 2nd Octect	---	0	1	---	---	---	---	255	---	2	R
0262	300611	1 W	IP Address 3rd Octect	---	0	1	---	---	---	---	255	---	2	R
0263	300612	1 W	IP Address 4th Octect	---	0	1	---	---	---	---	255	---	2	R
0264	300613	1 W	Subnet Mask 1st Octect	---	0	1	---	---	---	---	255	---	2	R
0265	300614	1 W	Subnet Mask 2nd Octect	---	0	1	---	---	---	---	255	---	2	R
0266	300615	1 W	Subnet Mask 3rd Octect	---	0	1	---	---	---	---	255	---	2	R
0267	300616	1 W	Subnet Mask 4th Octect	---	0	1	---	---	---	---	255	---	2	R
0268	300617	1 W	IP Gateway 1st Octect	---	0	1	---	---	---	---	255	---	2	R
0269	300618	1 W	IP Gateway 2nd Octect	---	0	1	---	---	---	---	255	---	2	R
026A	300619	1 W	IP Gateway 3rd Octect	---	0	1	---	---	---	---	255	---	2	R
026B	300620	1 W	IP Gateway 4th Octect	---	0	1	---	---	---	---	255	---	2	R
026C	300621	1 W	Mac Address 1st Octect	---	0	1	---	---	---	---	255	---	4264	R
026D	300622	1 W	Mac Address 2nd Octect	---	0	1	---	---	---	---	255	---	4264	R
026E	300623	1 W	Mac Address 3rd Octect	---	0	1	---	---	---	---	255	---	4264	R
026F	300624	1 W	Mac Address 4th Octect	---	0	1	---	---	---	---	255	---	4264	R
0270	300625	1 W	Mac Address 5th Octect	---	0	1	---	---	---	---	255	---	4264	R
0271	300626	1 W	Mac Address 6th Octect	---	0	1	---	---	---	---	255	---	4264	R

TR42Ex5 - COMMANDS				
VALUE	DESCRIPTION	LEVEL PSW	PRESET	NOTES
0	No commands	-		
16	Maximum Temperature CLEAR	user		
101	Set IP Address	user	X	
102	Set Subnet Mask	user	X	
103	Set Ip Gateway	user	X	
104	Reset Ethernet Module	user		

TR42Ex5 - FORMATS			
Format Code	Type	Value	Definition
F1	Integer		Signed Integer Value
			Example: -123 saved as -123
F2	Integer		Unsigned Integer Value
			Example: 123 saved as 123
F3	Integer		Signed Integer Value with 1 decimals
			Example: -1.0 saved as 10
F4	Integer		Unsigned Integer Value with 1 decimals
			Example: 1.0 saved as 10
F5	Integer		Signed Integer Value with 2 decimals
			Example: -1.00 saved as -100
F6	Integer		Unsigned Integer Value with 2 decimals
			Example: 1.00 saved as 100
F4230	Integer		FAN Weekly Activation Format Password Request for Setpoint Modification Format
		0	Disabled
		1	Enabled
F4241	Integer		Only Local / Local+Remote Control
		0	Local Only
		1	Remote + Local
F4242	Integer		User Status
		0	Not Logged
		1	Logged
F4245	Integer		Buzzer Activation Format
		0	DISABLE
		1	L1
		2	L2
F4250	Integer		RTD for command Fan Format
		0	1 - - -
		1	1 2 - -
		2	1 2 3 -
		3	1 2 3 4
		4	- - - 4
F4255	Integer		Fan Activation Format
		0	OFF
		1	Fan 1
		2	Fan 2
		3	All
		4	Advanced
F4257	16 Bits BitMap		General Status Bits 1st word
		Bit 0	L1 Active
		Bit 1	L2 Active
		Bit 2	FAN1 Active
		Bit 3	FAULT Active
		Bit 4	FAN1 WEEKLY Active
		Bit 5	FAN1 MANUAL FUNCTION Active
		Bit 6	BUZZER Active
		Bit 7	Not Used
		Bit 8	INPUT RTD 1 Failure - Fco
		Bit 9	INPUT RTD 2 Failure - Fco
		Bit 10	INPUT RTD 3 Failure - Fco
		Bit 11	INPUT RTD 4 Failure - Fco
		Bit 12	INPUT RTD 1 Failure - Fcc
		Bit 13	INPUT RTD 2 Failure - Fcc
		Bit 14	INPUT RTD 3 Failure - Fcc
		Bit 15	INPUT RTD 4 Failure - Fcc
F4260	16 Bits BitMap		General Status Bits 2nd word
		Bit 0	FAN2 Active
		Bit 1	FAN2 WEEKLY Active
		Bit 2	FAN2 MANUAL FUNCTION Active
		Bit 3 ~ Bit 15	Not Used
F4261	16 Bits BitMap		Output Relay Status Bits
		Bit 0	L1
		Bit 1	L2
		Bit 2	FAULT
		Bit 3	FAN1
		Bit 4	FAN2
		Bit 5 ~ Bit 15	Not Used
F4264	16 Bits BitMap		Mac Address Format

Convert hexadecimal value to decimal value (from 0 to 255)