

A22-308 ADDRESS TABLE				Function 03 Read Holding Registers														
Name		Address		Range		Explain		Initial		Unit	Read/Write	Note						
		Decimal	Hexadecimal	High Byte	Low Byte	High Byte		Low Byte										
Model & Company	0	0000	Constatnt Ascii of Model & Company			Model & Company name		" A "	" 2 "		R	"A" "2" Ascii Code						
	1	0001						" Y "	" - "		R	"Y" (1 or 2) "-" Ascii Code						
	2	0002						" 5 "	nn		R	"5" "nn" Ascii Code or "3" "nn" Ascii Code						
	3	0003						" F "	" N "		R	"F" "N" Ascii Code						
	4	0004						RX TX Couner		" P "	0		R	"P" Ascii Code 0				
Version	5	0005		00 to 256	00 to 256	Hard Ware Version		Soft Ware Version		SW	HW		R	Soft ware & Hard ware version				
Date Number	6	0006	(00D - 99D)H (01D - 12D)L		Year		Month		YM			R						
Seial Number	7	0007	0 to 65535		Serial Number				SN			R						
Pass Word	8	0008	0 to 9999				Pass Word				1234			R				
ID Address	9	0009			1 to 247	Device Address RS485 Communication				0	247		R	Default MODBUS ID address is : 1				
Baud Rate	10	000A		00h to 07h		Baud Rate of RS-485 Communication		0005H		Bit/S	R	Baud Rate	00h	300				
													01h	600				
													02h	1200				
													03h	2400				
													04h	4800				
													05h	9600				
													06h	14400				
													07h	19600				
Parity & Stop bit	11	000B		01h to 05h		Parity & Stop Bit Communication		0004H			R	Parity & Stop bit	00h	None parity 1 Stop bit				
													01h	None parity 2 Stop bit				
													02h	Odd parity 1 Stop bit				
													03h	Odd parity 2 Stop bit				
													04h	Even parity 1 Stop bit				
													05h	Even parity 2 Stop bit				
Automatic Turn Off HORN	12	000C	1800 to 0 second Down Timer		Non Critical horn off timer				600		Sec		R					
	13	000D	1801 to 0 second Down Timer		Critical horn off timer				600		Sec		R					
Fault Counter & ISA Sequence	14	000E	0 to 24	85 , 90 , 165 , 170 , 53 , 60		Alarm or Fault Counter	ISA Sequence	0	85		R	ISA-2C	55h	85				
												ISA-A	5Ah	90				
												ISA-F2A	A5h	165				
												ISA-F3M	Aah	170				
												ISA-F3A	35h	53				
												Simple window	3Ch	60				
Alarm system Status	15	000F	00h to FFh	00h to FFh		Alarm System Status					R	Critical Horn Status	bit 0	0	Relay OFF	1	Relay ON	
												Non Critical Horn Status	bit 1	0	Relay OFF	1	Relay ON	
												N/A	bit 2	0	N/A	1	N/A	
												Flash Fast Status	bit 3	0	Flash OFF	1	Flash ON	
												Flash Normal Status	bit 4	0	Flash OFF	1	Flash ON	
												Flash Slow Status	bit 5	0	Flash OFF	1	Flash ON	
												Lamp Test Status	bit 6	0	Normal Status	1	Lamp test Status	
												Wiring Ok	bit 7	0	Sync Wiring Error	1	Sync Wiring OK	
												N/A	bit 8	0	N/A	1	N/A	
												N/A	bit 9	0	N/A	1	N/A	
												N/A	bit 10	0	N/A	1	N/A	
												N/A	bit 11	0	N/A	1	N/A	
												N/A	bit 12	0	N/A	1	N/A	
												HornOff PB Exist	bit 13	0	NO	1	YES	
												Horn Test Requirer	bit 14	0	NO	1	YES	

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												Internal Horn ON/OFF	bit 15	0	OFF	1	ON
Channel 1	Status	16	0010	5 to 65535		Bit pattern Status for Channel 1		00h	40h		R	Input	bit 0	0	Input channel LOW	1	Input channel HIGH
Channel 2	Status	17	0011	5 to 65535		Bit pattern Status for Channel 2		00h	40h		R	D Input	bit 1	0	Debounce input LOW	1	Debounce input HIGH
Channel 3	Status	18	0012	5 to 65535		Bit pattern Status for Channel 3		00h	40h		R	Alarm in	bit 2	0	Input fault deactive	1	Input fault active
Channel 4	Status	19	0013	5 to 65535		Bit pattern Status for Channel 4		00h	40h		R	Fast Alarm	bit 3	0	No First Alarm	1	First Alarm
Channel 5	Status	20	0014	5 to 65535		Bit pattern Status for Channel 5		00h	40h		R	NAck.	bit 4	0	No alarm	1	No acknowledge alarm
Channel 6	Status	21	0015	5 to 65535		Bit pattern Status for Channel 6		00h	40h		R	Ack.	bit 5	0	Reset Alarm	1	Acknowledge alarm
Channel 7	Status	22	0016	5 to 65535		Bit pattern Status for Channel 7		00h	40h		R	NO/NC	bit 6	0	NC channel	1	NO channel
Channel 8	Status	23	0017	5 to 65535		Bit pattern Status for Channel 8		00h	40h		R	Cr/NCr	bit 7	0	Non critical channel	1	Critical channel
Channel 1	ON Delay Timer	40	0028	5 to 65535		ON Delay Setting Channel 1		6	mSec	R	Status	bit 8	0	Alarm or Fault	1	Signal (ON / OFF)	
Channel 2	ON Delay Timer	41	0029	5 to 65535		ON Delay Setting Channel 2		6	mSec	R	reserve	bit 9	0	For future define	1	For future define	
Channel 3	ON Delay Timer	42	002A	5 to 65535		ON Delay Setting Channel 3		6	mSec	R	reserve	bit 10	0	For future define	1	For future define	
Channel 4	ON Delay Timer	43	002B	5 to 65535		ON Delay Setting Channel 4		6	mSec	R	Alarm Priority Number bit 0	bit 11	Alarm Priority Number bit 0 to 4 (0 to 31)				
Channel 5	ON Delay Timer	44	002C	5 to 65535		ON Delay Setting Channel 5		6	mSec	R	Alarm Priority Number bit 1	bit 12					
Channel 6	ON Delay Timer	45	002D	5 to 65535		ON Delay Setting Channel 6		6	mSec	R	Alarm Priority Number bit 2	bit 13					
Channel 7	ON Delay Timer	46	002E	5 to 65535		ON Delay Setting Channel 7		6	mSec	R	Alarm Priority Number bit 3	bit 14					
Channel 8	ON Delay Timer	47	002F	5 to 65535		ON Delay Setting Channel 8		6	mSec	R	Alarm Priority Number bit 4	bit 15					
Channel 1	OFF Delay Timer	64	0040	5 to 65535		OFF Delay Setting Channel 1		30	mSec	R							
Channel 2	OFF Delay Timer	65	0041	5 to 65535		OFF Delay Setting Channel 2		30	mSec	R							
Channel 3	OFF Delay Timer	66	0042	5 to 65535		OFF Delay Setting Channel 3		30	mSec	R							
Channel 4	OFF Delay Timer	67	0043	5 to 65535		OFF Delay Setting Channel 4		30	mSec	R							
Channel 5	OFF Delay Timer	68	0044	5 to 65535		OFF Delay Setting Channel 5		30	mSec	R							
Channel 6	OFF Delay Timer	69	0045	5 to 65535		OFF Delay Setting Channel 6		30	mSec	R							
Channel 7	OFF Delay Timer	70	0046	5 to 65535		OFF Delay Setting Channel 7		30	mSec	R							
Channel 8	OFF Delay Timer	71	0047	5 to 65535		OFF Delay Setting Channel 8		30	mSec	R							
Channel 1	Color ON state	88	0058	0	0 to 6	0	Color ON State of Channel 1	1	7	R	BLACK	0					
Channel 2	Color ON state	89	0059	0	0 to 6	0	Color ON State of Channel 2	1	7	R	RED	1					
Channel 3	Color ON state	90	005A	0	0 to 6	0	Color ON State of Channel 3	1	7	R	GREEN	2					
Channel 4	Color ON state	91	005B	0	0 to 6	0	Color ON State of Channel 4	1	7	R	YELLOW	3					
Channel 5	Color ON state	92	005C	0	0 to 6	0	Color ON State of Channel 5	1	7	R	BLUE	4					
Channel 6	Color ON state	93	005D	0	0 to 6	0	Color ON State of Channel 6	1	7	R	MAGENTA	5					
Channel 7	Color ON state	94	005E	0	0 to 6	0	Color ON State of Channel 7	1	7	R	CYAN	6					
Channel 8	Color ON state	95	005F	0	0 to 6	0	Color ON State of Channel 8	1	7	R	WHITE	7					
Beep Time		112	0070	10 to 200		Beep Time (mSec) Setting		30	mSec	R/W							
V. Fast Flash Time		113	0071	200-800		Very Fast Flash Per Minute Setting		500	/ minute	R/W							
Fast Flash Time		114	0072	100-600		Fast Flash Per Minute Setting		270	/ minute	R/W							
Normal Flash Time		115	0073	20-150		Normal Flash Per Minute Setting		54	/ minute	R/W							
Slow Flash Time		116	0074	10-100		Slow Flash Per Minute Setting		15	/ minute	R/W							
P. Flash Time		117	0075	100-800		Programming Flash Per Minute Setting		300	/ minute	R/W							
CPU LAST ERROR		118	0076			Use By Manufacturer		OXFFFF									
Cpu Error Counter		119	0077	0 to 65535		Cpu Error Counter		0		R							
Programming exit counter		120	0078	0 to 65535		Programming exit counter		0		R							
Power ON Reset Counter		121	0079	0 to 65535		Power ON Reset Counter		0		R							
External Reset Counter		122	007A	0 to 65535		External Reset Counter		0		R							
Brown Out Reset Counter		123	007B	0 to 65535		Brown Out Reset Counter		0		R							
Watchdog Reset Counter		124	007C	0 to 65535		Watchdog Reset Counter		0		R							
EEPROM Crash Counter		125	007D	0 to 65535		EEPROM Crash Counter		0		R							



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		Decimal	Hexadecimal	High Byte	Low Byte	High Byte		Low Byte																				
Factory Reset Counter		126	007E	1 to 65535		Factory Reset Counter				0		R																
Channel 1	Proceeing Indication	160	00A0	0	01b or 10b	0	Double Point Input of Channel 1		0	2	R	Comment	bit 1	bit 0														
Channel 2	Proceeing Indication	161	00A1	0	01b or 10b	0	Double Point Input of Channel 2		0	2	R	Intermediate Position	0	0														
Channel 3	Proceeing Indication	162	00A2	0	01b or 10b	0	Double Point Input of Channel 3		0	2	R	Normal Position ON	0	1														
Channel 4	Proceeing Indication	163	00A3	0	01b or 10b	0	Double Point Input of Channel 4		0	2	R	Normal Position OFF	1	0														
Channel 5	Proceeing Indication	164	00A4	0	01b or 10b	0	Double Point Input of Channel 5		0	2	R	Faulty Position	1	1														
Channel 6	Proceeing Indication	165	00A5	0	01b or 10b	0	Double Point Input of Channel 6		0	2	R																	
Channel 7	Proceeing Indication	166	00A6	0	01b or 10b	0	Double Point Input of Channel 7		0	2	R																	
Channel 8	Proceeing Indication	167	00A7	0	01b or 10b	0	Double Point Input of Channel 8		0	2	R																	
Channel 1 - 8	Proceeing Indication	184	00B8	5555h to AAAAh		Double Point Input of Channel 1 - 8 (2bit for each channel)				55h	55h	R	b15 I _{in8}	b14 I _{in8}	b13 I _{in7}	b12 I _{in7}	b11 I _{in6}	b10 I _{in6}	b9 I _{in5}	b8 I _{in5}	b7 I _{in4}	b6 I _{in4}	b5 I _{in3}	b4 I _{in3}	b3 I _{in2}	b2 I _{in2}	b1 I _{in1}	b0 I _{in1}
Channel 1 - 8	Proceeing Indication	187	00BB	AAAAh to 5555h		Double Point Input of Channel 1 - 8 (2bit for each channel)				AAh	AAh	R	b15 I _{in8}	b14 I _{in8}	b13 I _{in7}	b12 I _{in7}	b11 I _{in6}	b10 I _{in6}	b9 I _{in5}	b8 I _{in5}	b7 I _{in4}	b6 I _{in4}	b5 I _{in3}	b4 I _{in3}	b3 I _{in2}	b2 I _{in2}	b1 I _{in1}	b0 I _{in1}
Channel 1 - 16	Proceeing Indication	190	00BE	0b or 1b	0b or 1b	Single Point Input of Channel 1 - 16 (1bit for each channel)				0	0	R	b15 I _{in8}	b14 I _{in8}	b13 I _{in7}	b12 I _{in7}	b11 I _{in6}	b10 I _{in6}	b9 I _{in5}	b8 I _{in5}	b7 I _{in4}	b6 I _{in4}	b5 I _{in3}	b4 I _{in3}	b3 I _{in2}	b2 I _{in2}	b1 I _{in1}	b0 I _{in1}

A22-308 ADDRESS TABLE				Function 05 Write Single Coil						
Name	Address		Range	Explain		initial	Unit	Read/Write	Note	
	Decimal	Hexadecimal		High Byte	Low Byte					Preset Single Coil ON
Horn Off P.B. exist	1	0001	ON or OFF	Horn Off P.B. exist (3 or 4 Push Botton action)		ON		W	YES	NO
Horn Test require	2	0002	ON or OFF	Horn Test require (Horn test in Lamp test function require?)		ON		W	YES	NO
Internal Horn	3	0003	ON or OFF	Internal Horn ON / OFF (Internal Buzzer)		ON		W	ON	OFF
Procces indication Select	4	0004	ON or OFF	Indication Alarm Channel or Input Channel		ON		W	Indication Alarm channel	Indication Input channel
Horn Off P.B.	85	0055	ON	Press Horn Off Push Botton		N/A		W	YES	N/A
Acknowledge P.B.	90	005A	ON	Press Acknowledge Push Botton		N/A		W	YES	N/A
Reset P.B.	165	00A5	ON	Press Reset Push Botton		N/A		W	YES	N/A
Reset Priority P.B.	163	00A3	ON	Press Reset Priority Push Botton		N/A		W	YES	N/A
Lamp Test P.B.	170	00AA	ON	Press Lamp Test Push Botton		N/A		W	YES	N/A
Dimmer Down P.B.	53	0035	ON	Decrease LEDs Light		N/A		W	YES	N/A
Dimmer Up P.B.	58	003A	ON	Increase LEDs Light		N/A		W	YES	N/A

A22-308 ADDRESS TABLE					Function 06 Write Single												
Name	Address		Range		Explain		initial	Unit	Read/Write	Note							
	Decimal	Hexadecimal	High Byte	Low Byte	High Byte	Low Byte					HEX	DEC					
Push Button Command	2	0002	0		0	Push Button Command			W	Horn Off P.B.	0055	85					
										Acknowledge P.B.	005A	90					
										Reset P.B.	00A5	165					
										Reset Priority P.B.	00A3	163					
										Lamp Test P.B.	00AA	170					
										Dimmer Down P.B.	0035	53					
										Dimmer Up P.B.	003A	58					
ISA Sequence Setting	3	0003	0	85 , 90 , 165 , 170 , 53 , 60	0	ISA Sequence Setting			W	ISA-2C	0055	85					
										ISA-A	005A	90					
										ISA-F2A	00A5	165					
										ISA-F3M	00AA	170					
										ISA-F3A	0035	53					
										Simple window	003C	60					
Automatic Turn Off HORN	4	0004	0 to 1800 second Down Timer		Non Critical horn off timer		600	Sec	W								
	5	0005	0 to 1800 second Down Timer		Critical horn off timer		600	Sec	W								
ID Address	7	0007		1 to 247	Device Address RS485 Communication		0	247		W	Change the MODBUS ID is Available in PROGRAMMING MODE only& @ ID address : 255						
Baud Rate	10	000A	00h to 07h		Baud Rate of RS-485 Comunication	0005H	Bit/S	R\W	Baud Rate	00h	300						
										01h	600						
										02h	1200						
										03h	2400						
										04h	4800						
										05h	9600						
										06h	14400						
										07h	19600						
Parity & Stop bit	11	000B	01h to 05h		Parity & Baud Rate Communication	0004H		R/W	Parity & Stop bit	00h	None parity 1 Stop bit						
										01h	None parity 2 Stop bit						
										02h	Odd parity 1 Stop bit						
										03h	Odd parity 2 Stop bit						
										04h	Even parity 1 Stop bit						
										05h	Even parity 2 Stop bit						
Pass Word	12	000C	0 to 9999		Pass Word		1234		W								
Date Number	13	000D	(00D - 99D)H (01D - 12D)L		Year	Month	YM		W								
Seial Number	14	000E	0 to 65535		Serial Number		SN		W								

A22-308 ADDRESS TABLE					Function 16 Write Multiple Registers											
Name	Address		Register Address		Explain		Channel Number	Unit	Read/Write	Note						
	Decimal	Hexadecimal	Decimal	Hexadecimal	High Byte	Low Byte						High Byte		Low Byte		
Input Logic , Urgent Satatus & Alarm or Signal Input Setting All channels (Range are limited same as side table)	1	0001	1	0001	Critical/Non Critical/Signal Lamp	Normaly OPEN / CLOSE	1		W		Each Register Pattern	DEC	HEX		DEC	HEX
			2	0002	Critical/Non Critical/Signal Lamp	Normaly OPEN / CLOSE	2				Non Critical - Normaly OPEN	85	55		170	AA
			3	0003	Critical/Non Critical/Signal Lamp	Normaly OPEN / CLOSE	3				Non Critical - Normaly CLOSE	85	55		85	55
			4	0004	Critical/Non Critical/Signal Lamp	Normaly OPEN / CLOSE	4				Critical - Normaly OPEN	170	AA		170	AA
			5	0005	Critical/Non Critical/Signal Lamp	Normaly OPEN / CLOSE	5				Critical - Normaly CLOSE	170	AA		85	55
			6	0006	Critical/Non Critical/Signal Lamp	Normaly OPEN / CLOSE	6				Signal Lamp - Normaly OPEN	90	5A		170	AA
			7	0007	Critical/Non Critical/Signal Lamp	Normaly OPEN / CLOSE	7				Signal Lamp - Normaly CLOSE	90	5A		85	55
			8	0008	Critical/Non Critical/Signal Lamp	Normaly OPEN / CLOSE	8									
On Delay Timer Setting All channels (5 to 65000mSec.)	2	0002	1	0001	ON Delay Timer Setting		1	mSec.	W		Function 16 Write در حتما باید که پنجره های آلارم داده وارد شود. یعنی مثلا در اینجا که دستگاه شما 8 پنجره است حتما باید همه ی 8 پنجره عدد وارد شود و اگر فقط بخواهید تعداد 4 پنجره را مقدار دهی کنید با خطا مواجه میشوید.					
			2	0002	ON Delay Timer Setting		2	mSec.								
			3	0003	ON Delay Timer Setting		3	mSec.								
			4	0004	ON Delay Timer Setting		4	mSec.								
			5	0005	ON Delay Timer Setting		5	mSec.								
			6	0006	ON Delay Timer Setting		6	mSec.								
			7	0007	ON Delay Timer Setting		7	mSec.								
			8	0008	ON Delay Timer Setting		8	mSec.								
Off Delay Timer Setting All channels (5 to 65000mSec.)	3	0003	1	0001	OFF Delay Timer Setting		1	mSec.	W		همچنین برای تنظیمات بحرانی و غیر بحرانی و همچنین نرمالی این و نرمالی کلوز بهتر است دستگاه مستر خود را به صورت اعداد Hex تنظیم کنید و سپس طبق جدول فوق عدد مورد نظر را برای بیت های پر ارزش، جهت تنظیم حالت بحرانی و غیر بحرانی و یا لامپ سیگنال وارد نمایید و سپس در سمت بیت های کم ارزش مقدار نرمالی این و نرمالی کلوز را بنویسید. برای مثال برای تنظیم پنجره شماره ی 3 به حالت بحرانی و نرمالی کلوز از ترکیب زیر استفاده میکنیم. 0xAA55 در اینجا بیت پر ارزش AA (تنظیم حالت بحرانی)است و بیت کم ارزش 55 (تنظیم نرمالی کلوز)است					
			2	0002	OFF Delay Timer Setting		2	mSec.								
			3	0003	OFF Delay Timer Setting		3	mSec.								
			4	0004	OFF Delay Timer Setting		4	mSec.								
			5	0005	OFF Delay Timer Setting		5	mSec.								
			6	0006	OFF Delay Timer Setting		6	mSec.								
			7	0007	OFF Delay Timer Setting		7	mSec.								
			8	0008	OFF Delay Timer Setting		8	mSec.								