

# Isp524 Modbus Register Maps

Rev3

## Communication Parameters:

19200,8,n,1 = 19200 baud, 8 bit, no parity, 1 stop bit

Requires at least 3ms between answers and query.

## Basic Registers:

<b>Adress (Hex)</b>	<small>WriteRead/</small>	<b>Section</b>	<b>Range</b>	<b>Description</b>
0x0001	R	Bit 0..7	4	Firmware Version // Depends on latest update
		Bit 8..15	0x54	Model Id = Isp524
0x0002	R	Bit 0..7	101	Boot (Hardware) Version " <i>dec=101</i> "
		Bit 8..15	0x54	Model Id = Isp524

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Signal Status Registers:

0x0033	R	Bit 0	0/1	1= Config Eeprom Contents Valid	
		Bit 1		1= Configuration Updated since last power cycle	
		Bit 2		1= Front Panel Configuration Mode Pending	
		Bit 3		1= Test Mode Pending	
		Bit 4		1= Horn Enabled, 0=Horn Disabled	
		Bit 8		1= Output #1 Active (horn)	
		Bit 9		1= Output #2 Active (bell)	
		Bit 11		1= Output #3 (fault)	
0x0034	R	Bit 0	0/1	Input #1	Input States 0=Normal, 1=Abnormal
		Bit 1		Input #2	
		...			
		Bit 15		Input #16	
0x0035	R	Bit 0	0/1	Input #1	Activity Register States 0=Inactive, 1=Active (Indicating not yet Acked by User)
		Bit 1		Input #2	
		...			
		Bit 15		Input #16	
0x0036	R	Bit 0	0/1	Input #1	Holding Register States 0=Normal, 1=Holding (Indicating already Acked but Abnormal)
		Bit 1		Input #2	
		...			
		Bit 15		Input #16	
0x003F	R	Bit 0	0/1	Input #17	Input States 0=Normal, 1=Abnormal
		Bit 1		Input #18	
		...			
		Bit 15		Input #32	
0x0040	R	Bit 0	0/1	Input #17	Activity Register States 0=Inactive, 1=Active (Indicating not yet Acked by User)
		Bit 1		Input #18	
		...			
		Bit 7		Input #24	
0x0041	R	Bit 0	0/1	Input #17	Holding Register States 0=Normal, 1=Holding (Indicating already Acked but Abnormal)
		Bit 1		Input #18	
		...			
		Bit 7		Input #24	

## ISA18.1 Configuration Dependant Registers:

Address (Hex)	Read/Write	Section	Range	Description	
0x0038	R	Bit 0	0/1	Input #1	First Alarm Indication States 0=Normal, 1=Alarm
		Bit 1		Input #2	
		...			
		Bit 15		Input #16	
0x0039	R	Bit 0	0/1	Input #1	Momentary Indication States 0=Normal, 1=Momentary
		Bit 1		Input #2	
		...			
		Bit 15		Input #16	
0x003A	R	Bit 0	0/1	Input #1	Acknowledged Indication States 0=Normal, 1=Acknowledged
		Bit 1		Input #2	
		...			
		Bit 15		Input #16	
0x003B	R	Bit 0	0/1	Input #1	Ringback Indication States 0=Normal, 1=Ringback
		Bit 1		Input #2	
		...			
		Bit 15		Input #16	
0x003C	R	Bit 0	0/1	Input #1	Red Color Indication States 0=Normal, 1=Red
		Bit 1		Input #2	
		...			
		Bit 15		Input #16	
0x003D	R	Bit 0	0/1	Input #1	Green Color Indication States 0=Normal, 1=Green
		Bit 1		Input #2	
		...			
		Bit 15		Input #16	

...

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... (cont.)

0x0043	R	Bit 0	0/1	Input #17	First Alarm Indication States 0=Normal, 1=Alarm
		Bit 1		Input #18	
		...			
		Bit 7		Input #24	
0x0044	R	Bit 0	0/1	Input #17	Momentary Indication States 0=Normal, 1=Momentary
		Bit 1		Input #18	
		...			
		Bit 7		Input #24	
0x0045	R	Bit 0	0/1	Input #17	Acknowledged Indication States 0=Normal, 1=Acknowledged
		Bit 1		Input #18	
		...			
		Bit 7		Input #24	
0x0046	R	Bit 0	0/1	Input #17	Ringback Indication States 0=Normal, 1=Ringback
		Bit 1		Input #18	
		...			
		Bit 7		Input #24	
0x0047	R	Bit 0	0/1	Input #17	Red Color Indication States 0=Normal, 1=Red
		Bit 1		Input #18	
		...			
		Bit 7		Input #24	
0x0048	R	Bit 0	0/1	Input #17	Green Color Indication States 0=Normal, 1=Green
		Bit 1		Input #18	
		...			
		Bit 7		Input #24	

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Color Codes:

<b>Red Bit</b>	<b>Green Bit</b>	<b>Visible Color</b>
0	0	Dark / Normal
1	0	Red
0	1	Green
1	1	Yellow