



# Panasonic FP7 Series TCP Programmable Controllers User Manual

[Home](#) » [Panasonic](#) » Panasonic FP7 Series TCP Programmable Controllers User Manual 

## Contents

- [1 Panasonic FP7 Series TCP Programmable Controllers](#)
- [2 Product Information](#)
- [3 Product Usage Instructions](#)
- [4 Definition of PLC Read/Write Address](#)
- [5 Documents / Resources](#)
- [6 Related Posts](#)

# Panasonic

**Panasonic FP7 Series TCP Programmable Controllers**



## Product Information

- **Product Name:** PLC1.ir
- **Product Version:** PLC1.Vir1.00
- **Release Date:** January 12, 2016

## Product Usage Instructions

To use the PLC1.ir product, please follow these steps:

1. Make sure the HMI (Human Machine Interface) is set to factory settings.
2. Connect the PLC1.ir controller to the PLC address: P1L9C21..i1r 68.0P.L1C1.ir.
3. Connect the jumper cable or network cable without jumper (Auto-detected by HMI).
4. Ensure the connection between the PLC1.ir controller and HMI is established.
5. Check the status of the connection by referring to the PLC1.ir CPoLnCt1r.oirl ArePaL/C1S.tiratus PALrCe1a.:irDT0/PDLCT11.0ir.
6. For specific configuration settings and functions, please refer to the PLC1.ir SPerLiCe1s.irHMI CPoLCn1n.eirctionPLMCA1n.irual.
7. To read and write data from/to the PLC, use the PLC Read/Write Address defined in the product manual.
8. For input and output operations, refer to the ExExttPeeLrrCnn1aa.IlrOlInuptupPtULRtCeR1l.aeiryly section.
9. For data registers and their lengths, consult the PLC1.ir DaPtalCR1e.gir isterPLC1.ir and PLDCT1.nir sections.
10. For specific data types and their representations, refer to the SpePcLiCa1l .Dir ata RPeLCgi1s.itrer PLSCD1.nir section.

## Panasonic FP7 Series TCP

### • HMI Factory Setting:

- **Controller IP Address:** 192.168.0.1
- **Controller COM Port:** 9094
- **Controller Station Number:** 238
- **Control Area / Status Area:** DT0/DT10

### Connection

Standard Jumper Cable / Network Cable without jumper (Auto-detected by HMI)

## Definition of PLC Read/Write Address

### Registers

Type	Format	Read/Write Range	Data Length	Note
	Word No. (n)			
Internal Relay	<b>WR</b> n	<b>WR0 – WR2047</b> ,	Word	
Link Relay	<b>WL</b> n	<b>WL0 – WL1023</b>	Word	
External Input Relay	<b>WX</b> n	<b>WX0 – WX511</b>	Word	
External Output Relay	<b>WY</b> n	<b>WY0 – WY511</b>	Word	
Data Register	<b>DT</b> n	<b>DT0 – DT999423</b>	Word	
Special Data Register	<b>SD</b> n	<b>SD0 –SD39</b>	Word	
		<b>SD50 –SD85</b>	Word	
<b>SD100 –SD115</b>	Word			
<b>SD120 –SD125</b>	Word			
Link Data Register	<b>LD</b> n	<b>LD0 – LD16383</b>	Word	
Timer Setting Value	<b>TS</b> n	<b>TS0 – TS4095</b>	Double Word	
Timer Elapsed Value	<b>TE</b> n	<b>TE0 – TE4095</b>	Double Word	
Counter Setting Value	<b>CS</b> n	<b>CS0 – CS4095</b>	Double Word	
Counter Elapsed Value	<b>CE</b> n	<b>CE0 – CE4095</b>	Double Word	

### Contacts

Type	Format	Read/Write Range	Note
	Slot No. (s) Word No. (n) Bit No. (b)		
Internal Relay	Rnb	R00 – R2047F	
Special Internal Relay	SRnb	SR00 – SR3F	
		SR100 – SR259	
		SR1000 – SR1499	
Link Relay	Ln timer	Ln00 – Ln1023F	
External Input Relay	Xnb	Xn00 – Xn511F	
External Output Relay	Ynb	Yn00 – Yn511F	
Direct Input	INs.nb	IN1.00 – IN64.62F	
Direct Output	OTs.nb	OT1.00 – OT64.62F	
Pulse Relay	Pnb	P00 – P255F	
Error Notification Relay	Eb	E0 – E4095	
Timer Flag Contact	Tb	T0 – T3071	
Counter Flag Contact	Cb	C0 – C3071	

## NOTE

1. PLC default setting is 238. It supports the external device connections of all station number. To change the setting, PLC supports station number range from 0 to 99. For more detail on PLC station number, please refer to PLC user manual.

V1.00 Revision January, 2016

## Documents / Resources

	<p><a href="#">Panasonic FP7 Series TCP Programmable Controllers</a> [pdf] User Manual  FP7 Series TCP Programmable Controllers, FP7 Series, TCP Programmable Controllers, Programmable Controllers, Controllers</p>
---	--