

## IAI PCON-C-42PI

Supported Series: PCON Controller for RCP2 Series

Website: <http://www.intelligentactuator.com>

### HMI Setting:

Parameters	Recommended	Options	Notes
<b>PLC type</b>	IAI PCON-C-42PI		
<b>PLC I/F</b>	RS485 2W		
<b>Baud rate</b>	9600	9600 ~ 115200	
<b>Data bits</b>	8		
<b>Parity</b>	None		
<b>Stop bits</b>	1		
<b>PLC sta. no.</b>	1	1 ~ 16	

### Device Address:

Bit/Word	Device type	Format	Range	Memo
B	SFTY	D	1	
B	SON	D	1	
B	ALRS	D	1	
B	BKRL	D	1	
B	STP	D	1	
B	HOME	D	1	
B	CSTR	D	1	
B	JISL	D	1	
B	MOD	D	1	
B	TEAC	D	1	
B	JOG+	D	1	
B	JOG-	D	1	
B	ST0	D	1	
B	ST1	D	1	
B	ST2	D	1	
B	ST3	D	1	
B	ST4	D	1	
B	ST5	D	1	
B	ST6	D	1	

Bit/Word	Device type	Format	Range	Memo
B	ST7	D	1	
B	PMSL	D	1	
B	STOP	D	1	
B	CLBR	D	1	
B	DSS1_Bit	Ddd	15	EMGS
B	DSS1_Bit	Ddd	14	SFTY
B	DSS1_Bit	Ddd	13	PWR
B	DSS1_Bit	Ddd	12	SV
B	DSS1_Bit	Ddd	11	PSFL
B	DSS1_Bit	Ddd	10	ALMH
B	DSS1_Bit	Ddd	9	ALML
B	DSS1_Bit	Ddd	8	ABER
B	DSS1_Bit	Ddd	7	BKRL
B	DSS1_Bit	Ddd	5	STP
B	DSS1_Bit	Ddd	4	HEND
B	DSS1_Bit	Ddd	3	PEND
B	DSS1_Bit	Ddd	2	CEND
B	DSS1_Bit	Ddd	1	CLBS
B	DSS2_Bit	Ddd	15	ENBS
B	DSS2_Bit	Ddd	13	LOAD
B	DSS2_Bit	Ddd	12	TRQS
B	DSS2_Bit	Ddd	11	MODS
B	DSS2_Bit	Ddd	10	TEAC
B	DSS2_Bit	Ddd	9	JOG+
B	DSS2_Bit	Ddd	8	JOG-
B	DSS2_Bit	Ddd	7	PE7
B	DSS2_Bit	Ddd	6	PE6
B	DSS2_Bit	Ddd	5	PE5
B	DSS2_Bit	Ddd	4	PE4
B	DSS2_Bit	Ddd	3	PE3
B	DSS2_Bit	Ddd	2	PE2
B	DSS2_Bit	Ddd	1	PE1
B	DSS2_Bit	Ddd	0	PE0
B	DSSE_Bit	Ddd	15	EMGP
B	DSSE_Bit	Ddd	14	MPUV
B	DSSE_Bit	Ddd	13	RMDS
B	DSSE_Bit	Ddd	11	GHMS
B	DSSE_Bit	Ddd	10	PUSH

Bit/Word	Device type	Format	Range	Memo
B	DSSE_Bit	Ddd	9	PSNS
B	DSSE_Bit	Ddd	8	PMSS
B	DSSE_Bit	Ddd	5	MOVE
B	POSS_Bit	Ddd	9	PM512
B	POSS_Bit	Ddd	8	PM256
B	POSS_Bit	Ddd	7	PM128
B	POSS_Bit	Ddd	6	PM64
B	POSS_Bit	Ddd	5	PM32
B	POSS_Bit	Ddd	4	PM16
B	POSS_Bit	Ddd	3	PM8
B	POSS_Bit	Ddd	2	PM4
B	POSS_Bit	Ddd	1	PM2
B	POSS_Bit	Ddd	0	PM1
B	ZONS_Bit	Ddd	14	LS2
B	ZONS_Bit	Ddd	13	LS1
B	ZONS_Bit	Ddd	12	LS0
B	ZONS_Bit	Ddd	8	ZP
B	ZONS_Bit	Ddd	1	Z2
B	ZONS_Bit	Ddd	0	Z1
B	DIPM_Bit	Ddd	0 ~ 15	IN0 ~ IN15
B	DOPM_Bit	Ddd	0 ~ 15	OUT0 ~ OUT15
B	SIPM_Bit	Ddd	14	NP
B	SIPM_Bit	Ddd	12	PP
B	SIPM_Bit	Ddd	8	MDSW
B	SIPM_Bit	Ddd	4	BLCT
B	SIPM_Bit	Ddd	3	HMCK
B	SIPM_Bit	Ddd	2	OT
B	SIPM_Bit	Ddd	1	CREP
B	SIPM_Bit	Ddd	0	LS
B	EMG	D	1	
B	POSR_Bit	Ddd	0 ~ 15	
W	PNOW	D	1	
W	ALMC	D	1	
W	DIPM	D	1	
W	DOPM	D	1	
W	DSS1	D	1	
W	DSS2	D	1	
W	DSSE	D	1	

Bit/Word	Device type	Format	Range	Memo
W	STAT	D	1	
W	VNOW	D	1	
W	CNOW	D	1	
W	DEVI	D	1	
W	STIM	D	1	
W	SIPM	D	1	
W	ZONS	D	1	
W	POSS	D	1	
W	DRG1	D	1	
W	DRG2	D	1	
W	POSR_NUM	D	1	
W	PCMD	D	1	
W	INP	D	1	
W	VCMD	D	1	
W	ACMD	D	1	
W	PPOW	D	1	
W	CTLF	D	1	
W	FBFC	D	1	
W	POSR_MOV	D	1	
W	PCMD_T	DDD	0 ~ 768	
W	INP_T	DDD	0 ~ 768	
W	VCMD_T	DDD	0 ~ 768	
W	ZNMP_T	DDD	0 ~ 768	
W	ZNLP_T	DDD	0 ~ 768	
W	ACMD_T	DDD	0 ~ 768	
W	DCMD_T	DDD	0 ~ 768	
W	PPOW_T	DDD	0 ~ 768	
W	LPOW_T	DDD	0 ~ 768	
W	CTLF_T	DDD	0 ~ 768	

## Wiring Diagram:

### RS-485 2W

The serial port pin assignments may vary between HMI models, please click the following link for more information.

**The following is the view from the soldering point of a connector.**

