

ARC 0408R

4 / 8 Analog Input Channel

Operation Manual

This brief manual is primarily meant for quick reference to wiring connections and parameter searching. For more details on operation and application; please log on to www.ppiindia.net

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Level	Sub-Level	Parameters	Range (Default Value)
	 Batch	Batch Start	No Yes
		Balance Time	Read Only
		Batch Stop	No Yes
	 Pen-Drive	Stop Copy	No Yes
		File Options	None Copy (New) Re-copy (Old) Read .txt File Recover (Default : None)
	 Recording	Normal Interval	0:00:00 (H:MM:SS) to 2:30:00 (H:MM:SS) (Default : 0:00:30)
		Zoom Interval	0:00:00 (H:MM:SS) to 2:30:00 (H:MM:SS) (Default : 0:00:10)
		Alarm Toggle Record	Disable Enable (Default : Enable)
		Recording Mode	Continuous Batch (Default : Continuous)
		Batch Time	0:01 (HH:MM) to 250:00 (HHH:MM) (Default : 1:00)
		Batch Start Batch Stop	No Yes
	 Date / Time	Time (HH:MM)	0.0 to 23:59
		Date	1 to 31
		Month	1 to 12
		Year	2000 to 2099
		Unique ID Number	Read Only
	 Permission	Alarm Buzzer	Disable Enable (Default : Enable)
	 Change PSW	Change Password	No Yes (Default : No)
		New Password	0 to 9999

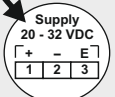
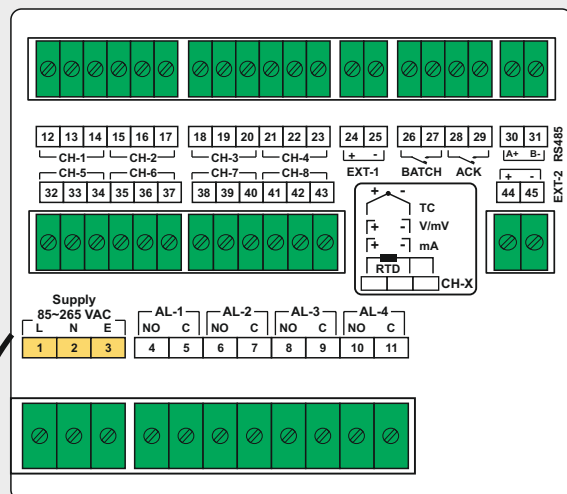
Level	Sub-Level	Parameters	Range (Default Value)		
 Device  Factory  Channel	 Device	Interface	PC USB		
		Comm. ID	1 to 127 (Default : 1)		
		Factory Reset	No Yes (Default : No)		
		Delete Records	No Yes (Default : No)		
	 Factory  Channel	All Channel Common	No Yes (Default : No)		
		Select Channel	For 4 Channel : 1 to 4 For 8 Channel : 1 to 8		
		Skip	No Yes		
		Input Type	Refer Table 1 (Default : 0 to 10 V)		
		Resolution	Refer Table 1		
		Signal Low	Input Type	Settings	Default
			0 to 20mA	0.00 to Signal High	0.00
			4 to 20mA	4.00 to Signal High	4.00
			0 to 80mV	0.00 to Signal High	0.00
			0 to 1.25V	0.000 to Signal High	0.000
			0 to 5V	0.000 to Signal High	0.000
			0 to 10V	0.00 to Signal High	0.00
1 to 5V	1.000 to Signal High		1.000		
0 to 160mV	0.00 to Signal High	0.00			
Signal High	Input Type	Settings	Default		
	0 to 20mA	Signal Low to 20.00	20.00		
	4 to 20mA	Signal Low to 20.00	20.00		
	0 to 80mV	Signal Low to 80.00	80.00		
	0 to 1.25V	Signal Low to 1.250	1.250		
	0 to 5V	Signal Low to 5.000	5.000		
	0 to 10V	Signal Low to 10.00	10.00		
	1 to 5V	Signal Low to 5.000	5.000		
0 to 160mV	Signal Low to 160.00	160.00			

Level	Sub-Level	Parameters	Range (Default Value)
	 Channel	Range Low	-30000 to +30000 (Default : 0)
		Range High	-30000 to +30000 (Default : 1000)
		Low Clip	Disable Enable (Default : Disable)
		Low Clip Value	-30000 to High Clip Val (Default : 0)
		High Clip	Disable Enable (Default : Disable)
		High Clip Value	Low Clip Val to 30000 (Default : 1000)
		Zero offset	-30000 to +30000 (Default : 0)
		Filter (%)	0 to 90% (Default : 20%)
	 Alarm	Select Channel	For 4 Channel Channel-1 to Channel-4 For 8 Channel Channel-1 to Channel-8
		Select Alarm Number	AL1, AL2, AL3, AL4
		Alarm Type	None Process Low Process High (Default : None)
		Alarm Setpoint	Min. to Max. of selected input type range (Default : 0)
		Alarm Hysteresis	1 to 30000 (Default : 20)
		Alarm Inhibit	No Yes (Default : No)
		Lock / Unlock	No Yes (Default : No)
	 Change PSW	Change Password	No Yes (Default : No)
		New Password	0 to 9999
	 Utilities	Unused. Reserved for factory use.	NA

Table 1

Input Type	Range (Min. to Max.)	Resolution
Type J	0.0 to +960.0°C	1 °C or 0.1 °C
Type K	-200.0 to +1376.0°C	
Type T	-200.0 to +387.0°C	
Type R	0.0 to +1771.0°C	
Type S	0.0 to +1768.0°C	
Type B	0.0 to +1826.0°C	
Type N	0.0 to +1314.0°C	
Type E	-200.0 to +1000.0°C	
RTD Pt100	-199.9 to +850.0°C	
RTD Pt1000		
0 to 20 mA	-30000 to 30000 units	1 0.1 0.01 0.001 0.0001 Units
4 to 20 mA		
0 to 80 mV		
0 to 160 mV		
0 to 1.25 V		
0 to 5.0 V		
0 to 10.0 V		
1 to 5.0 V		

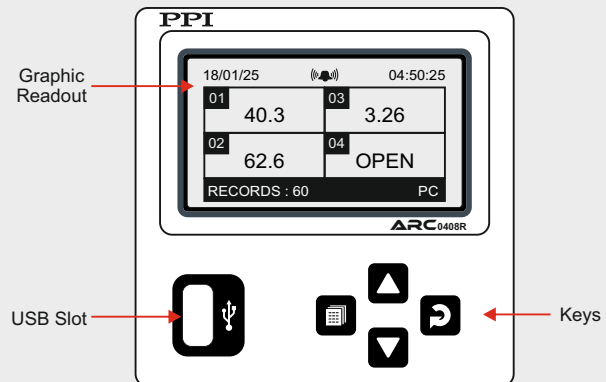
Electrical Connections



Connections for
DC Supply Voltage
Option

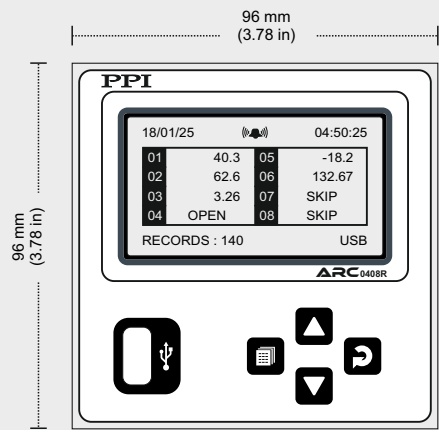
Note :
Terminals 32 to 45 are not fitted for
4 Channel version.

Front Panel



FRONT PANEL KEYS		
Symbol	Key	Function (in Set-up Mode)
	PAGE	Press to enter or exit set-up mode.
	DOWN	Press to decrease the parameter value. Pressing once decreases the value by one count; keeping pressed speeds up the change.
	UP	Press to increase the parameter value. Pressing once increases the value by one count; keeping pressed speeds up the change.
	ENTER	Press to store the set parameter value and to scroll to the next parameter.

Outer Dimension, Panel Cutout & Spacing



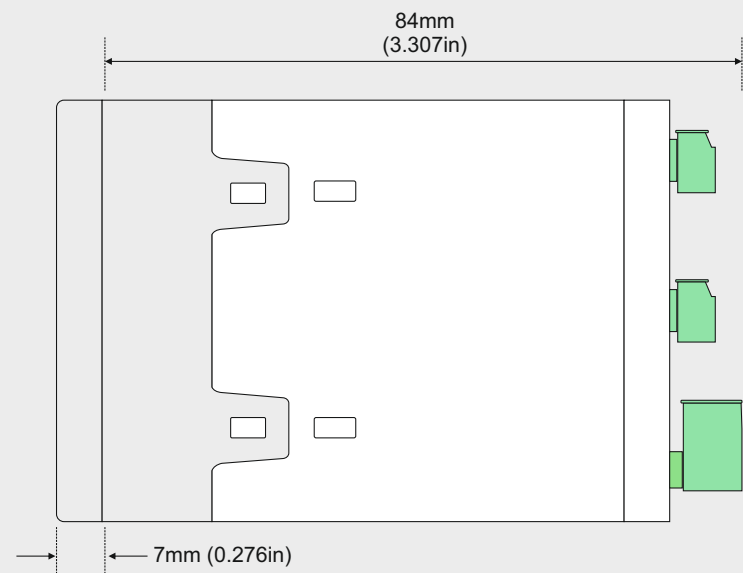
Front View

Panel Cutout
92 X 92 mm
-0, +0.5 mm
(3.622" X 3.622")
(-0", +0.02")

38mm (1.5")



10mm (0.39")



Side View