

ScanLog (PC)

4 / 8 / 16 Channel Recorder + PC Interface

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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OPERATOR PARAMETERS	
Parameters	Settings
Batch Start	No Yes
Balance Slot Time	Read Only
Batch Stop	No Yes

ALARM SETTINGS	
Parameters	Settings (Default Value)
Select Channel	PC Version For 4C : Channel-1 to Channel-4 For 8C : Channel-1 to Channel-8 For 16C : Channel-1 to Channel-16
Select Alarm	AL1, AL2, AL3, AL4 (The actual available options depends on the numbers of Alarms set per channel on Alarm configuration page)
AL1 Type	None Process Low Process High (Default : None)
AL1 Setpoint	Min. to Max. of selected input type range (Default : 0)
AL1 Hysteresis	1 to 30000 (Default : 20)
AL1 Inhibit	No Yes (Default : No)

DEVICE CONFIGURATION	
Parameters	Settings (Default Value)
Delete Records	No Yes (Default : No)
Recorder ID	1 to 127 (Default : 1)

CHANNEL CONFIGURATION	
Parameters	Settings (Default Value)
All Chan Common	No Yes (Default : No)
Select Channel	PC Version For 4C : Channel-1 to Channel-4 For 8C : Channel-1 to Channel-8 For 16C : Channel-1 to Channel-16

Parameters	Settings (Default Value)		
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
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
Range Low	-30000 to +30000 (Default : 0)		
Range High	-30000 to +30000 (Default : 1000)		
Low Clipping	Disable Enable (Default : Disable)		
Low Clip Val	-30000 to High Clip Val (Default : 0)		
High Clipping	Disable Enable (Default : Disable)		
High Clip Val	Low Clip Val to 30000 (Default : 1000)		
Zero Offset	-30000 to +30000 (Default : 0)		

ALARM CONFIGURATION	
Parameters	Settings (Default Value)
Alarms/Chan	1 to 4 (Default : 4)

RECORDER CONFIGURATION	
Parameters	Settings (Default Value)
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 Toggl Rec	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

RTC SETTING	
Parameters	Settings
Time (HH:MM)	0.0 to 23:59
Date	1 to 31
Month	1 to 12
Year	2000 to 2099
Unique ID Number (Ignore)	

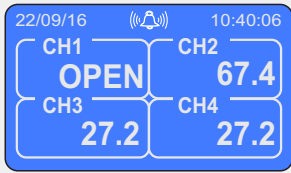
UTILITIES	
Parameters	Settings (Default Value)
Lock Unlock	No Yes (Default : No)
Factory Default	No Yes (Default : No)

TABLE 1		
Option	Range (Min. to Max.)	Resolution & Unit
Type J (Fe-K)	0.0 to +960.0°C	1 °C or 0.1 °C
Type K (Cr-Al)	-200.0 to +1376.0°C	
Type T (Cu-Con)	-200.0 to +387.0°C	
Type R (Rh-13%)	0.0 to +1771.0°C	
Type S (Rh-10%)	0.0 to +1768.0°C	
Type B	0.0 to +1826.0°C	
Type N	0.0 to +1314.0°C	
Reserved for customer specific Thermocouple type not listed above. The type shall be specified in accordance with the ordered (optional on request) Thermocouple type.		
RTD Pt100	-199.9 to +600.0°C	1°C or 0.1 °C
0 to 20 mA	-30000 to 30000 units	1 0.1 0.01 0.001 units
4 to 20 mA		
0 to 80 mV		
Reserved		
0 to 1.25 V	-30000 to 30000 units	0.001 units
0 to 5 V		
0 to 10 V		
1 to 5 V		

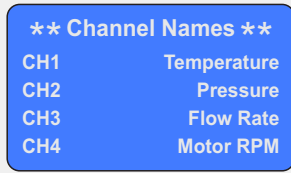
FRONT PANEL KEYS		
Symbol	Key	Function
	Scroll	Press to scroll through various Process Information Screens in Normal Operation Mode.
	Alarm Acknowledge	Press to acknowledge / mute alarm output (if active) & to view Alarm Status screen.
	DOWN	Press to decrease the parameter value. Pressing once decreases 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.
	SET-UP	Press to enter or exit set-up mode.
	ENTER	In Run Mode, press to toggle between Auto & Manual Scan Mode. (Only for 16 Channel version) In Set-up Mode, press to store the set parameter value and to scroll to the next parameter.

SCROLLING THROUGH VARIOUS SCREENS

The screen shown below are for 4 Channel Version. The sequence is the same for 8 & 16 Channel Version.



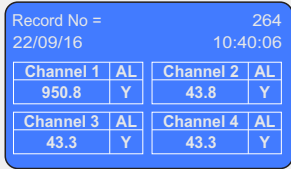
Main Screen



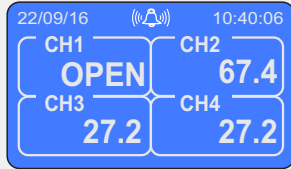
Channel Names Screen



Recording Information Screen

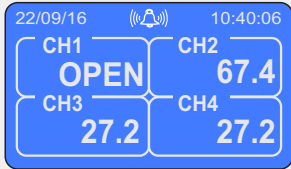


Record View Screen
(Use UP / DOWN Keys to scroll through all stored records)

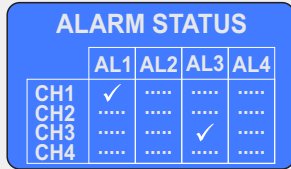


Main Screen

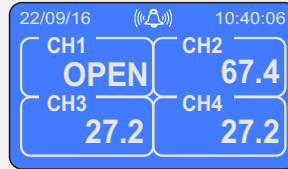
VIEWING ALARM STATUS SCREEN



Main Screen

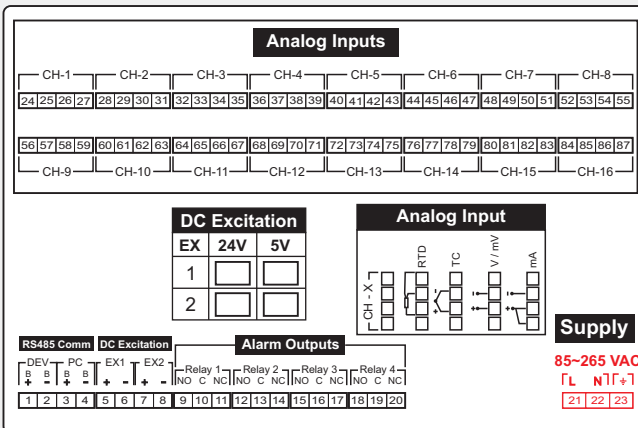


Alarm Status Screen



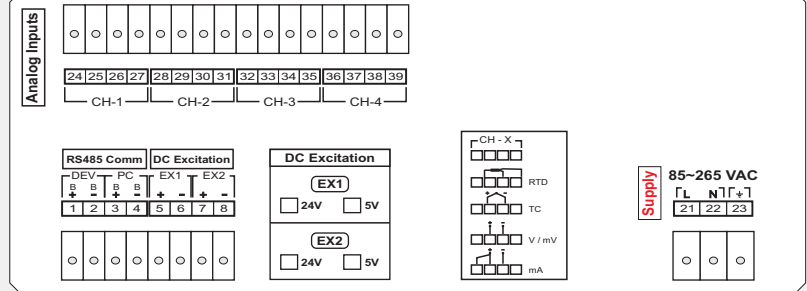
Main Screen

16 Channel With Alarm Relay Outputs

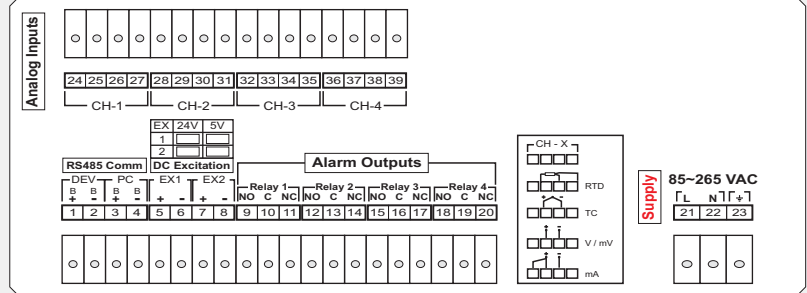


ELECTRICAL CONNECTIONS

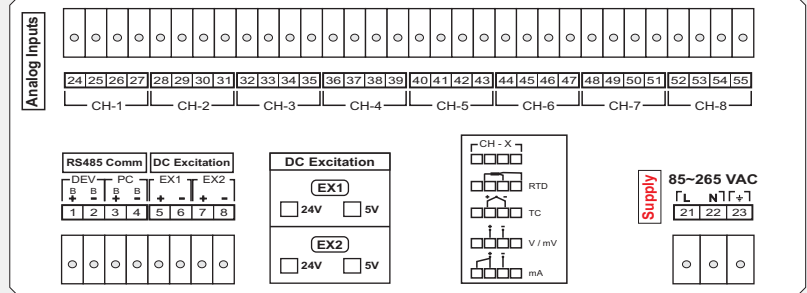
4 Channel Without Alarm Relay Outputs



4 Channel With Alarm Relay Outputs



8 Channel Without Alarm Relay Outputs



8 Channel With Alarm Relay Outputs

