



PPI ScanLog 16 Channel Recorder and Pen-Drive Interface Instruction Manual

[Home](#) » [PPI](#) » PPI ScanLog 16 Channel Recorder and Pen-Drive Interface Instruction Manual 

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ScanLog (Pen Drive)
4 / 8 / 16 Channel Recorder + Pen-Drive Interface
Operation Manual

Contents

- 1 ScanLog 16 Channel Recorder and Pen-Drive Interface
- 2 OPERATOR PARAMETERS
- 3 ALARM SETTINGS
- 4 DEVICE CONFIGURATION
- 5 CHANNEL CONFIGURATION
- 6 ALARM CONFIGURATION
- 7 RECORDER CONFIGURATION
- 8 FRONT PANEL KEYS
- 9 SCROLLING THROUGH VARIOUS SCREENS
- 10 VIEWING ALARM STATUS SCREEN
- 11 ELECTRICAL CONNECTIONS
- 12 Documents / Resources
 - 12.1 References
- 13 Related Posts

ScanLog 16 Channel Recorder and Pen-Drive Interface

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

OPERATOR PARAMETERS

Parameters	Settings
Stop Copy	No Yes
Select Option	1. None 2. Copy (New) 3. Re-copy (Old) 4. Read Chan Names 5. Recover (Default : None)
Batch Start	No Yes
Balance Slot Time	Read Only
Batch Stop	No Yes

ALARM SETTINGS

Parameters	Settings (Default Value)
Select Channel	Pen Drive 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

Signal High	Input Type	Settings	Default
	0 to 20mA	Signal Low to 20.00	20
	4 to 20mA	Signal Low to 20.00	20
	0 to 80mV	Signal Low to 80.00	80
	0 to 1.25V	Signal Low to 1.250	1.25
	0 to 5V	Signal Low to 5.000	5
	0 to 10V	Signal Low to 10.00	10
	1 to 5V	Signal Low to 5.000	5
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)
Alrm 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	Read Only

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	
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	

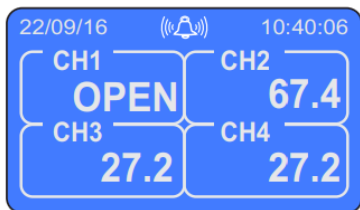
Type S (Rh-10%)	0.0 to +1768.0°C	1 °C or 0.1 °C
Type B	0.0 to +1826.0°C	
Type N	0.0 to +1314.0°C	
Reserved for customer specific Thermocouple type not listed above. The type shall be specified in accordance with the ordered (optional on request) Thermocouple type.		
RTD Pt100	-199.9 to +600.0°C	1°C or 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 to 5 V		
0 to 10 V		
1 to 5 V		

FRONT PANEL KEYS

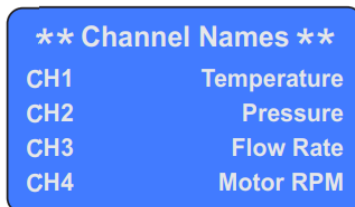
FRONT PANEL KEYS		
Symbol	Key	Function
	Scroll	Press to scroll through various Process Information Screens in Normal Operation Mode.
	Alarm Acknowledge	Press to acknowledge / mute alarm output (if active) & to view Alarm Status screen.
	DOWN	Press to decrease the parameter value. Pressing once decreases 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

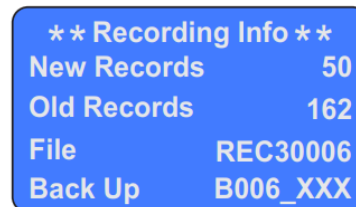
The screen shown below are for 4 Channel Version. The sequence is the same for 8 & 16 Channel Version.



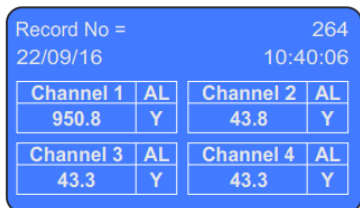
Main Screen



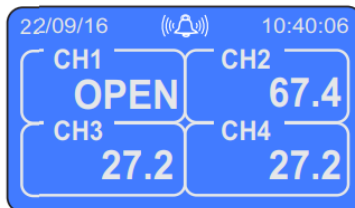
Channel Names Screen



Recording Information Screen

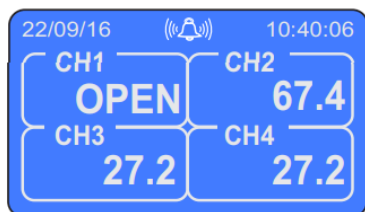


Record View Screen
(Use UP / DOWN Keys to scroll through all stored records)

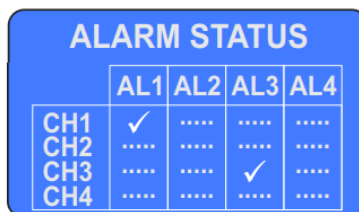


Main Screen

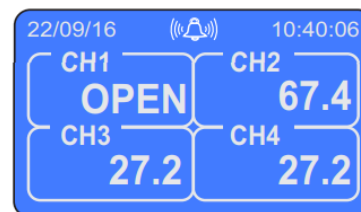
VIEWING ALARM STATUS SCREEN



Main Screen

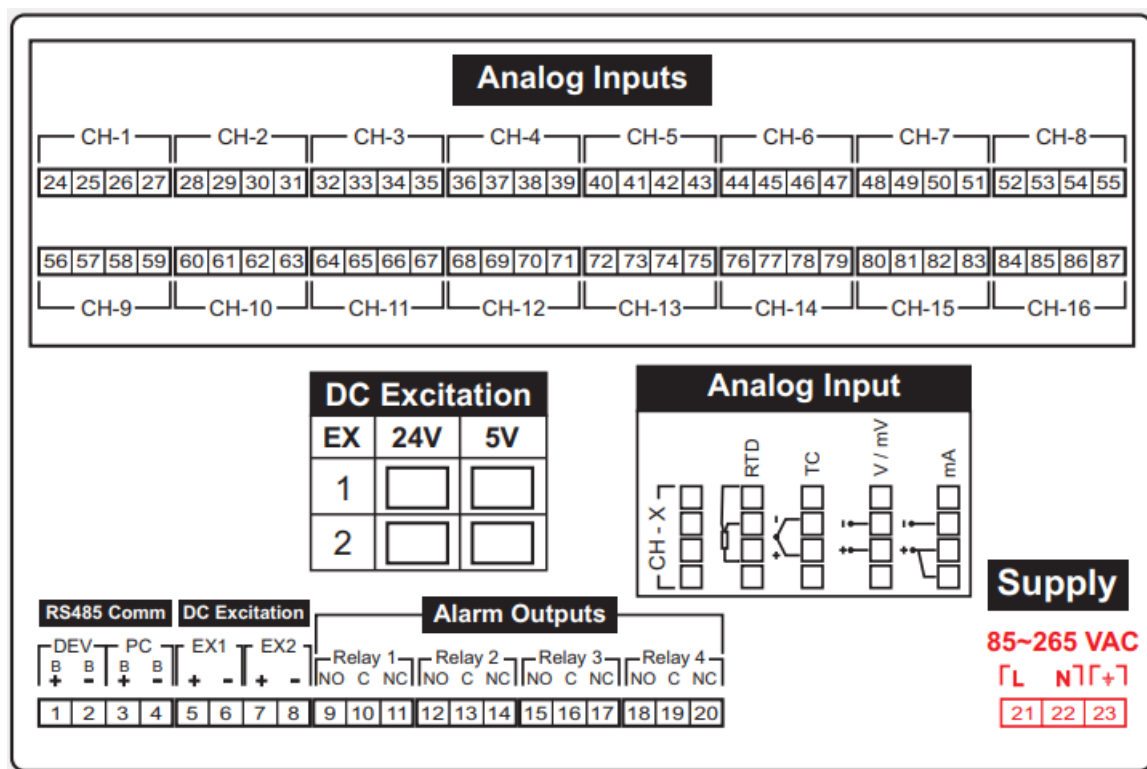


Alarm Status Screen



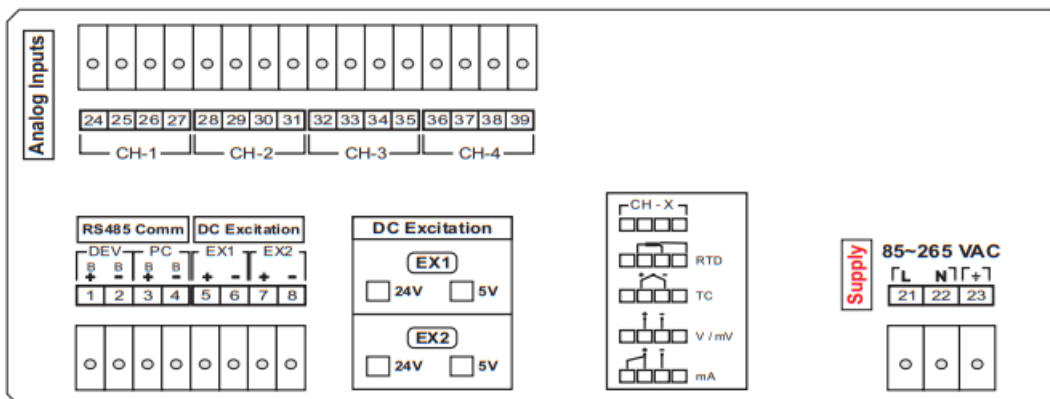
Main Screen

16 Channel With Alarm Relay Outputs

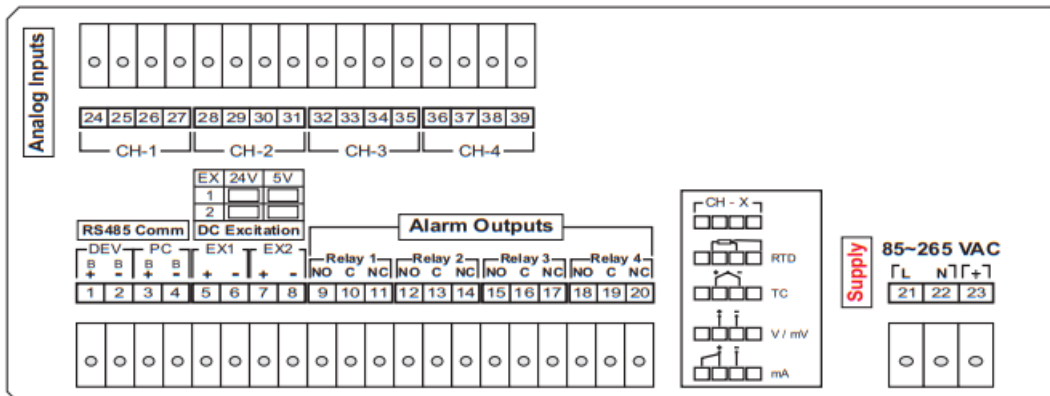


ELECTRICAL CONNECTIONS

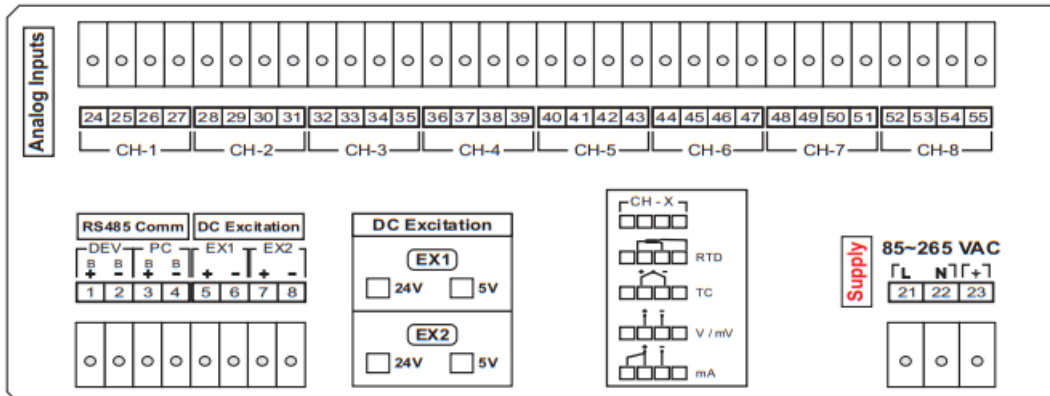
4 Channel Without Alarm Relay Outputs



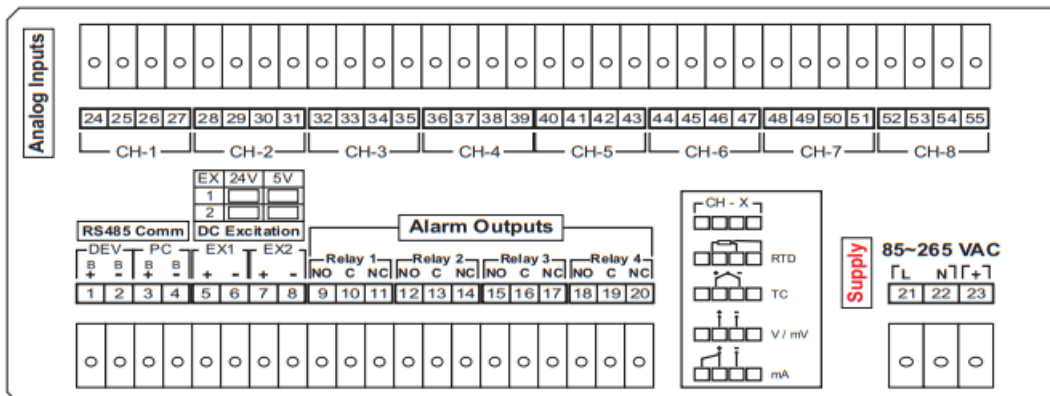
4 Channel With Alarm Relay Outputs



8 Channel Without Alarm Relay Outputs



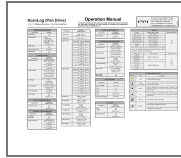
8 Channel With Alarm Relay Outputs



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101, Diamond Industrial Estate, Navghar,
Vasai Road (E), Dist. Palghar – 401 210.
Sales : 8208199048 / 8208141446
Support : 07498799226 / 08767395333
E: sales@ppiindia.net,
support@ppiindia.net

Documents / Resources



[PPI ScanLog 16 Channel Recorder and Pen-Drive Interface](#) [pdf] Instruction Manual
ScanLog, ScanLog 16 Channel Recorder and Pen-Drive Interface, 16 Channel Recorder and P
en-Drive Interface, Recorder and Pen Drive Interface, Pen Drive Interface

References

- [Factory Automation Products India | Automation Solutions in India](#)