

ScanLog (Pen Drive)

4 / 8 / 16 Channel Recorder + Pen-Drive 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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PPI

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| 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 | |
|----------------------|-----------------------------|
| Parameters | Settings (Default Value) |
| Delete Records | No Yes (Default : No) |

| CHANNEL CONFIGURATION | |
|-----------------------|---|
| Parameters | Settings (Default Value) |
| All Chan Common | No Yes (Default : No) |
| 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 |

| 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 |
| 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 |
| Range Low | 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) |
| Alrm Toggl Rec | Disable Enable (Default : Enable) |
| Recording Mode | Continuous Batch (Default : Continuous) |
| Batch Time | 0:01 (HH:MM) to 250:00 (HH:MM) (Default : 1:00) |
| Batch Start | No |
| Batch Stop | 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 |

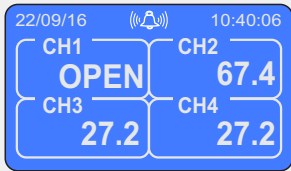
| UTILITIES | |
|-----------------|-----------------------------|
| Parameters | Settings (Default Value) |
| Lock Unlock | No Yes (Default : No) |
| Factory Default | No Yes (Default : No) |

| TABLE 1 | | | |
|-----------------|-----------------------|--|---------------------------|
| Option | Range (Min. to Max.) | Resolution & Unit | |
| Type J (Fe-K) | 0.0 to +960.0°C | 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 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 | | | |

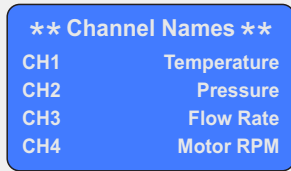
| FRONT PANEL KEYS | | |
|------------------|-------------------|---|
| Symbol | Key | Function |
| | Scroll | Press to scroll through various Process Information Screens in Normal Operation Mode. |
| | Alarm Acknowledge | Press to acknowledge / mute alarm output (if active) & to view Alarm Status screen. |
| | 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

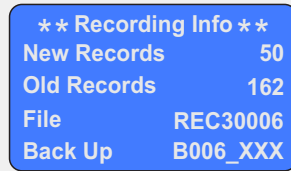
The screen shown below are for 4 Channel Version. The sequence is the same for 8 & 16 Channel Version.



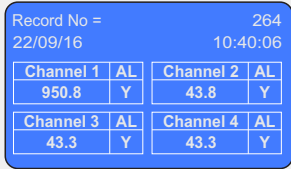
Main Screen



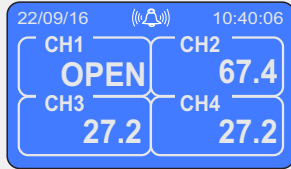
Channel Names Screen



Recording Information Screen

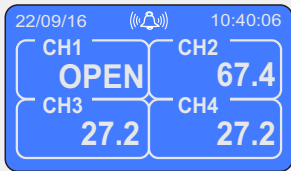


Record View Screen
(Use UP / DOWN Keys to scroll through all stored records)

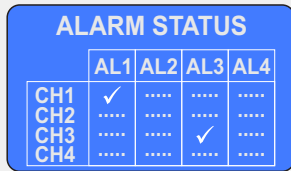


Main Screen

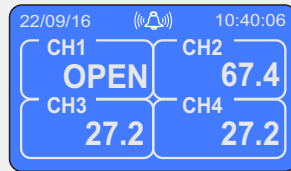
VIEWING ALARM STATUS SCREEN



Main Screen

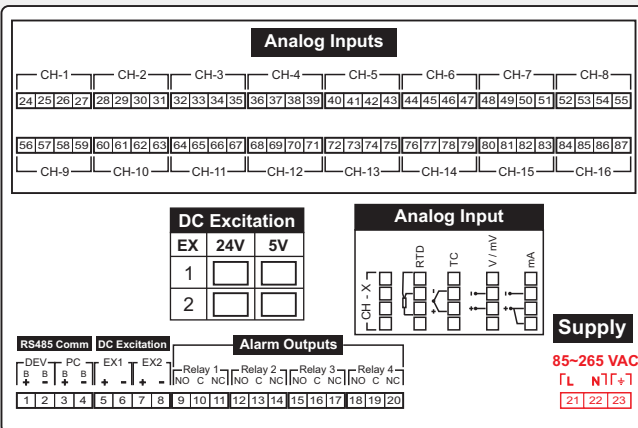


Alarm Status Screen



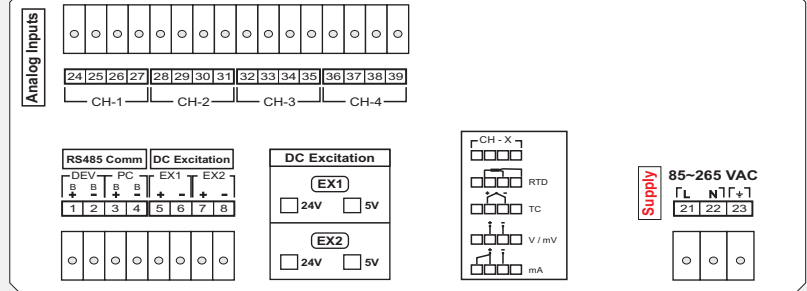
Main Screen

16 Channel With Alarm Relay Outputs

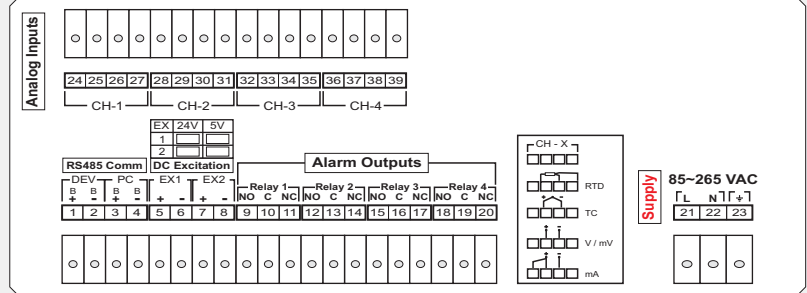


ELECTRICAL CONNECTIONS

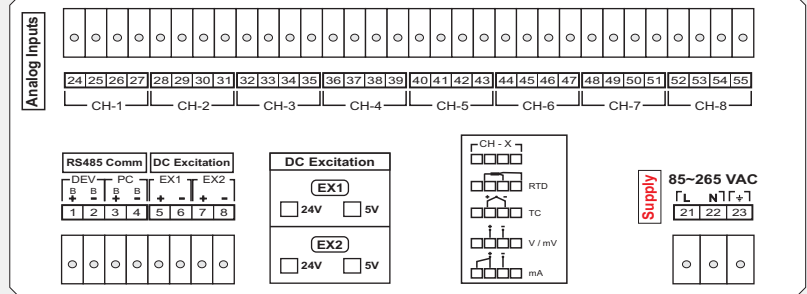
4 Channel Without Alarm Relay Outputs



4 Channel With Alarm Relay Outputs



8 Channel Without Alarm Relay Outputs



8 Channel With Alarm Relay Outputs

