



# PPI UniRec Multi Channel Temperature Data Logger Cum Recorder Instruction Manual

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# PPI

**PPI UniRec Multi Channel Temperature Data Logger Cum Recorder**



## Product Information

The UniRec Process Data Recorder is a device that records and stores data from various devices. It has multiple configuration parameters that can be set to suit the user's requirements. The device can be connected to a pen drive for data transfer and also has supervisory configuration settings.

## Operator Parameters

The Operator Parameters allow users to select options for operation on a pen drive. The available options are None, Copy (New), Re-copy (Old), Read Chan Names, and Recover. The default value is None. Users can also select the 'Start' and 'Stop' commands for batch recording if the batch recording is selected.

## Supervisory Configuration

The Supervisory Configuration allows users to set the boiler temperature and select the desired supervisory or operator page. Users can also set a passcode and configure the device settings.

## Device Configuration

The Device Configuration allows users to erase all stored records, set the channel update time in auto-scan mode, and set the device identification number. The default value for erasing all stored records is No, the default value for scan rate is 3 seconds, and the default value for recorder ID is 1.

## Relay Configuration

The Relay Configuration allows users to set the logic for Relay-1 and Relay-2. The default value for both relays is Normal.

## Recorder Configuration

The Recorder Configuration allows users to set the normal recording interval and zoom recording interval. Users can also enable or disable record generation on the alarm status toggle, select the recording mode, and set the time interval for batch recording. Users can select the 'Start' and 'Stop' commands for batch recording if the batch recording is selected. The default value for a normal recording interval is 0:02 and for zoom, the recording interval is 0:01. The default value for record generation on the alarm status toggle is Enable and for recording mode is Continuous. The default value for batch time is 1.00.

## Product Usage Instructions

1. To select an option for operation on a pen drive, go to Operator Parameters and choose from None, Copy (New), Re-copy (Old), Read Chan Names, and Recover.
2. To set the 'Start' and 'Stop' commands for batch recording, go to Operator Parameters and choose Yes or No.
3. To set the boiler temperature and select the supervisory or operator page, go to Supervisory Configuration and enter the passcode. Then select the desired page.
4. To erase all stored records, set the channel update time in auto-scan mode, and set the device identification number, go to Device Configuration and choose the desired settings.
5. To set the logic for Relay-1 and Relay-2, go to Relay Configuration and choose Normal or Reverse.
6. To set the normal recording interval, zoom recording interval, record generation on alarm status toggle, recording mode, and time interval for batch recording, go to Recorder Configuration and choose the desired settings. Select Yes or No for the 'Start' and 'Stop' commands for batch recording.

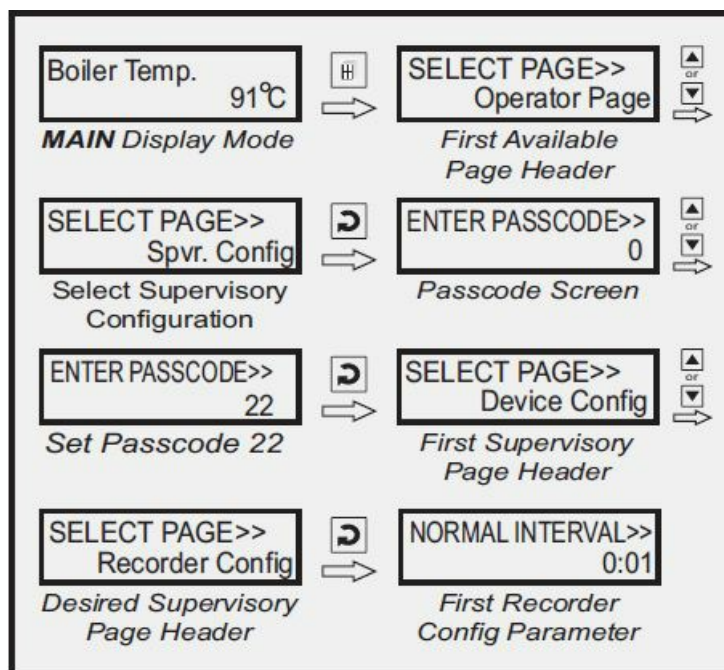
Please refer to the product manual for more details on operation and application.

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](http://www.ppiindia.net)

## OPERATOR PARAMETERS

Parameters	Settings (Default Value)
<b>Select Option for Operation on Pen Drive</b> <div>Select Option&gt;&gt; None</div>	None Copy (New) Re-copy (Old) Read Chan Names Recover (Default : None)
<b>'Start' Command for Batch Recording</b> (Available if Batch Recording is selected) <div>BATCH START&gt;&gt; NO</div>	No Yes (Default : No)
<b>'Stop' Command for Batch Recording</b> (Available if Batch Recording is selected) <div>BATCH STOP&gt;&gt; NO</div>	No Yes (Default : No)

## SUPERVISORY CONFIGURATION



## DEVICE CONFIGURATION

Parameters	Settings (Default Value)
<b>Erase All Stored Records</b> <div>DELETE RECORDS&gt;&gt; No</div>	No Yes (Default : No)
<b>Channel Update Time in Auto Scan Mode</b> <div>SCAN RATE&gt;&gt; 3</div>	1 Sec. to 99 Sec. (Default : 3 Sec.)
<b>Device Identification Number</b> <div>RECORDER ID&gt;&gt; 2</div>	1 to 127 (Default : 1)

Parameters	Settings (Default Value)
<b>Total Numbers of Devices</b> <div>TOTAL DEVICE&gt;&gt; 6</div>	1 to 30 (Default : 1)
<b>Select Device Number</b> <div>SELECT DEVICE&gt;&gt; 1</div>	1 to Total Devices (Default : 1)
<b>(*) Device Type</b> <div>DEVICE TYPE&gt;&gt; Zenex</div>	Zenex HumiTherm-C Clavex Neuro 100 Neuro 102 HumiTherm-i - RH Florex Neuro 100Z Neuro 105 Epsilon Delta - RTD Delta - TC Apex neuro 104 HumiTherm-i - DW neuro 100EX neuro 102EX neuro 102EX 3OP HumiTherm-c - DWON HumiTherm-c - RHON HumiTherm-c - DWPI Zenex-ultra HumiTherm-iS HumiTherm-cS (Default : Zenex)
<b>Device ID</b> <div>DEVICE ID&gt;&gt; 3</div>	1 to 127 (Default : 1)

The list for the Device Type is subject to change (grow) as the UniRec is upgraded to support more models from the PPI range of existing / future products.

RELAY CONFIGURATION

Parameters	Settings (Default Value)
<div>Relay-1 Logic</div> <div>RELAY-1 LOGIC &gt;&gt; Normal</div>	Normal Reverse (Default : Normal)
<div>Relay-2 Logic</div> <div>RELAY-2 LOGIC &gt;&gt; Normal</div>	Normal Reverse (Default : Normal)

RECORDER CONFIGURATION



Parameters	Settings (Default Value)
<b>Normal Recording Interval</b> <div>NORMAL INTERVAL&gt;&gt; 0:02</div>	0:00 (H:MM) to 2:30 (H:MM) (Default : 0:01)
<b>Zoom Recording Interval</b> <div>ZOOM INTERVAL&gt;&gt; 0:01</div>	0:00 (H:MM) to 2:30 (H:MM) (Default : 0:01)
<b>Record Generation on Alarm Status Toggle</b> <div>ALARM TOGGLE REC Disable</div>	Disable Enable (Default : Enable)

<b>Select Recording Mode</b> <div>RECORDING MODE&gt;&gt; Continuous</div>	Continuous Batch (Default : Continuous)
<b>Time Interval for Batch Recording</b> <div>BATCH TIME&gt;&gt; 1.00</div>	0:01 (HH:MM) to 250:00 (HHH:MM) (Default : 1:00)
<b>‘Start’ Command for Batch Recording</b> (Available if Batch Recording is selected) <div>BATCH START&gt;&gt; NO</div>	No Yes (Default : No)
<b>‘Stop’ Command for Batch Recording</b> (Available if Batch Recording is selected) <div>BATCH STOP&gt;&gt; NO</div>	No Yes (Default : No)

RTC SETTING

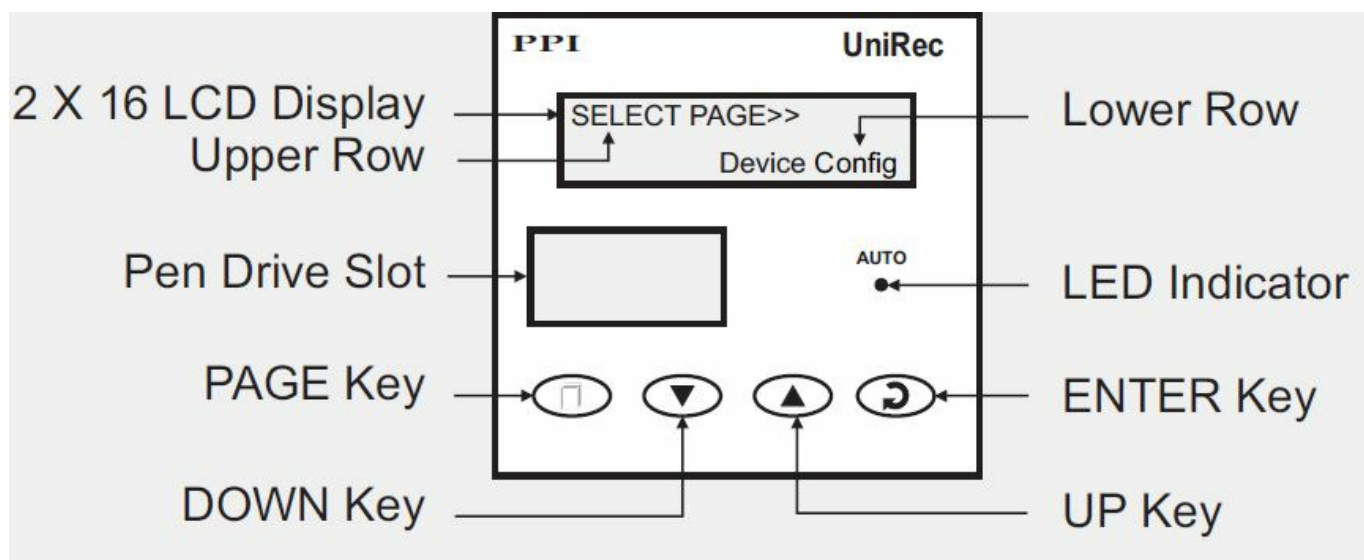


Parameters	Settings
<b>Set Clock Time (HH:MM)</b> <div>TIME (HH:MM)&gt;&gt; 15:53</div>	0.0 to 23:59
<b>Set Calendar Date</b> <div>DATE&gt;&gt; 23</div>	1 to 31
<b>Set Calendar Month</b> <div>MONTH&gt;&gt; 11</div>	1 to 12
<b>Set Calendar Year</b> <div>YEAR&gt;&gt; 2011</div>	2000 to 2099





#### UTILITIES

Parameters	Settings
<b>Master Lock Enable / Disable</b> <div>LOCK&gt;&gt; No</div> <div>UNLOCK&gt;&gt; No</div>	No Yes
<b>UIM DEFAULT</b> <div>UIM DEFAULT&gt;&gt; No</div>	No Yes

#### FRONT PANEL LAYOUT



### Keys Operation

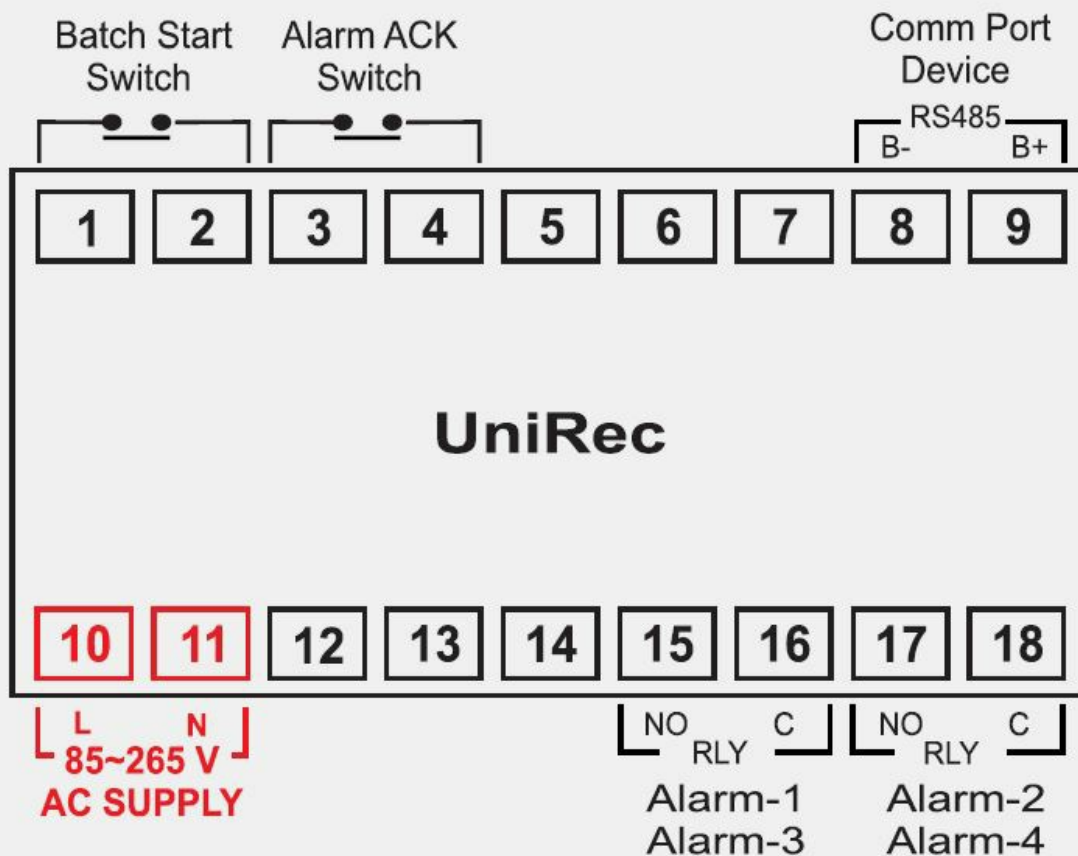
Symbol	Key	Function
	PAGE	Press to enter or exit set-up mode.
	DOWN	Press to decrease the parameter value. Pressing once decreases the value by one count; holding pressed speeds up the change.
	UP	Press to increase the parameter value. Pressing once increases the value by one count; holding pressed speeds up the change.
	ENTER	Press to store the set parameter value and to scroll to the next parameter on the PAGE.

### PV Error Indications

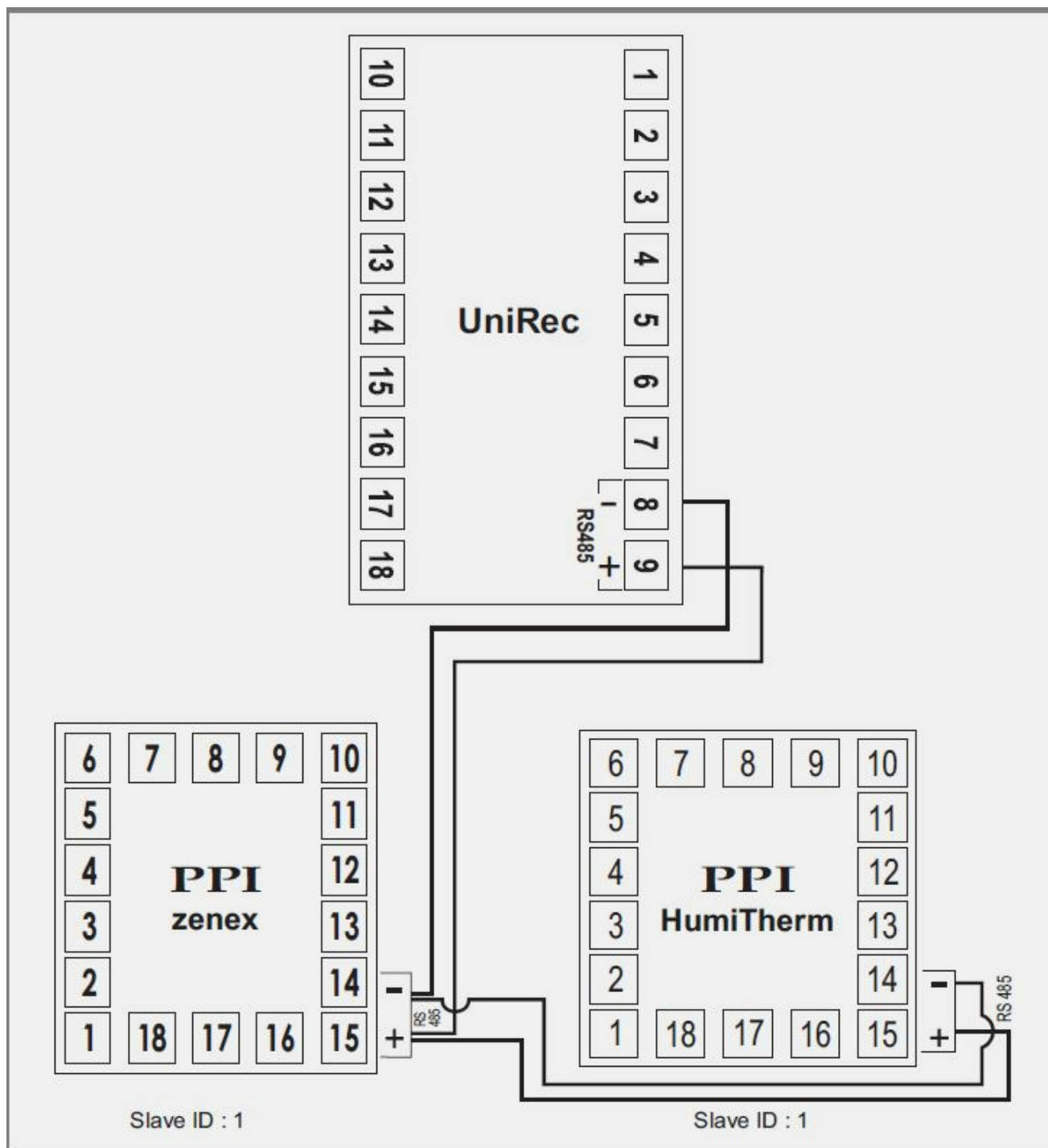
#### Error Message Cause

- **Over Range:** Process Value above Max. Range
- **Process Value above Max. Range:** Process Value below Min. Range
- **Sensor Open:** Thermocouple / RTD broken
- **Com. Fail:** Communication Link with Device broken

### ELECTRICAL CONNECTIONS

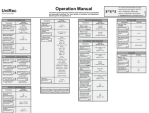


## WIRING CONNECTION



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

## Documents / Resources

	<p><b><a href="#">PPI UniRec Multi Channel Temperature Data Logger Cum Recorder</a></b> [pdf] Instruction Manual</p> <p>UniRec, UniRec Multi Channel Temperature Data Logger Cum Recorder, Multi Channel Temperature Data Logger Cum Recorder, Temperature Data Logger Cum Recorder, Data Logger Cum Recorder, Cum Recorder</p>
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## References

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

Manuals+.