

# **Noddy Guide for**

## **Meter Software Configuration and**

### **Miniflex Scheme Setup**

## **AS230 Meter**



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**Date: 16 November 2009**

### **Introduction:**

This guide will illustrate the process to create and setup a scheme in the Power Master Unit 3 software and programming of the AS230 meter.

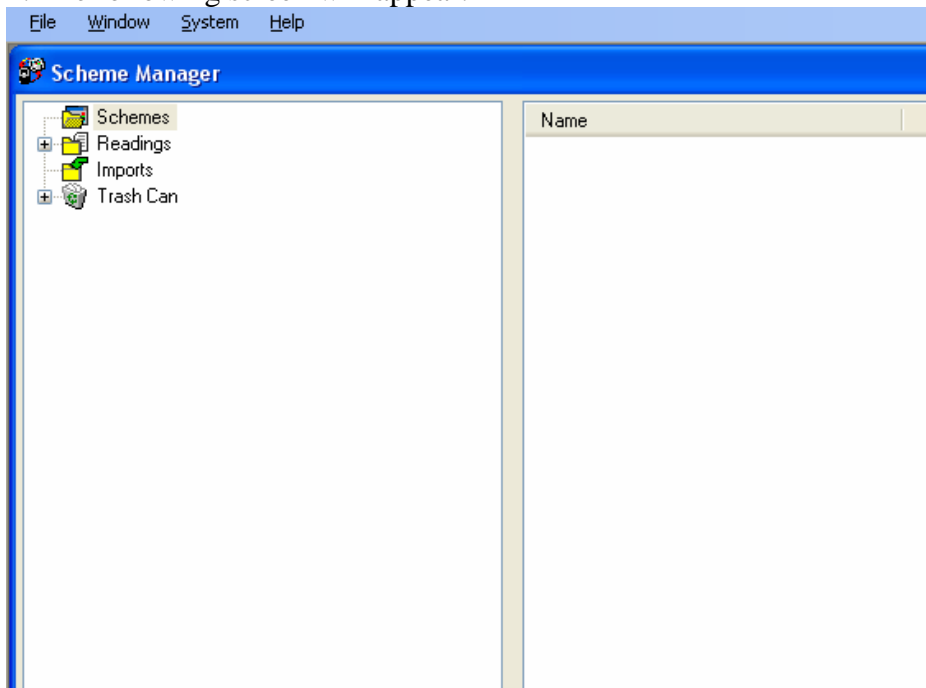
This guide assumes the user has successfully installed the PMU3 software by following the Software Installation procedure in the PMU3 software manual, and that a clean database is used.

### **(A) Scheme setup:**

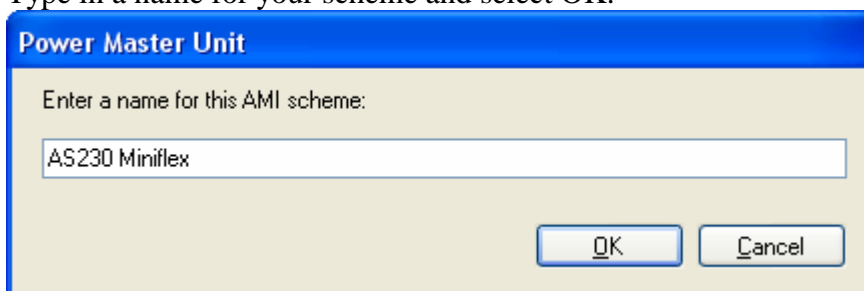
1. Run the software and log into PMU3:

A screenshot of a Windows-style dialog box titled "Power Master Unit". The dialog has a blue title bar and a light beige body. Inside, the text "Select User Name and Enter" is at the top. Below it, there is a "User Name" label followed by a dropdown menu showing "Elster" with a small downward arrow. Underneath is a "Password" label followed by a text box containing several asterisks. At the bottom right, there are two buttons: "OK" and "Cancel".

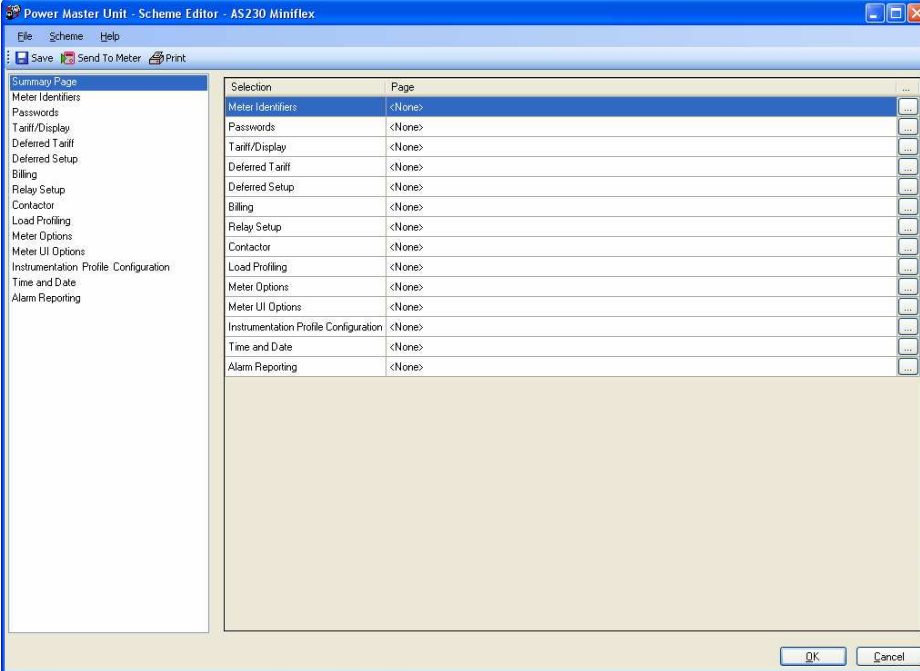
2. The following screen will appear:



3. Using your mouse, right click in the blank Scheme Manager block and choose New and AMI Scheme. Type in a name for your scheme and select OK.



4. Press Enter. A blank scheme will be shown:



The screenshot shows the 'Power Master Unit - Scheme Editor - AS230 Miniflex' window. The left sidebar lists various configuration pages: Summary Page, Meter Identifiers, Passwords, Tariff/Display, Deferred Tariff, Deferred Setup, Billing, Relay Setup, Contactor, Load Profiling, Meter Options, Meter UI Options, Instrumentation Profile Configuration, Time and Date, and Alarm Reporting. The main area displays a table with two columns: 'Selection' and 'Page'. All entries in the 'Page' column are set to '<None>'. At the bottom right, there are 'OK' and 'Cancel' buttons.

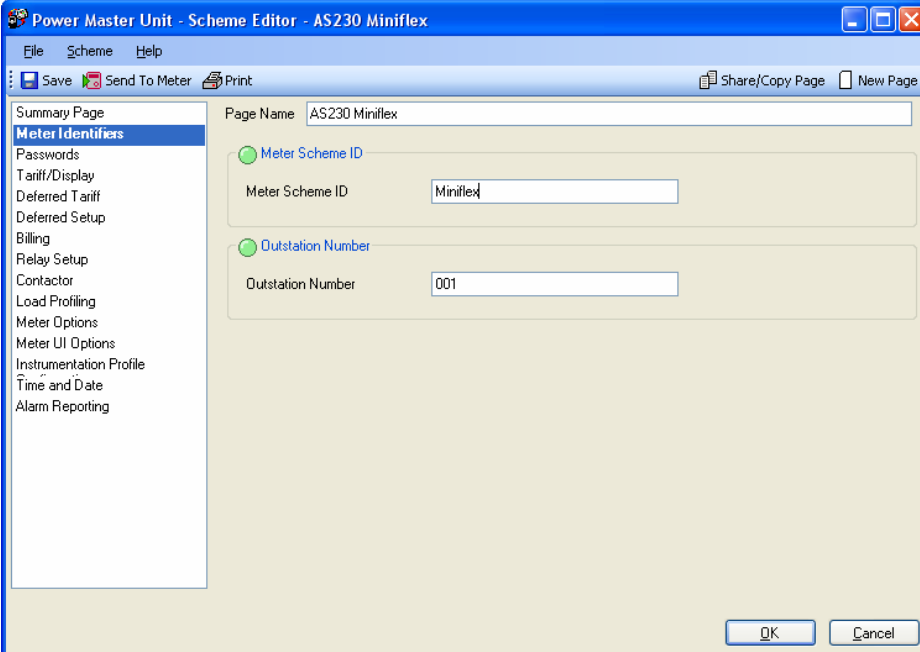
Selection	Page
Meter Identifiers	<None>
Passwords	<None>
Tariff/Display	<None>
Deferred Tariff	<None>
Deferred Setup	<None>
Billing	<None>
Relay Setup	<None>
Contactor	<None>
Load Profiling	<None>
Meter Options	<None>
Meter UI Options	<None>
Instrumentation Profile Configuration	<None>
Time and Date	<None>
Alarm Reporting	<None>

5. Select Scheme Tab and Compatibility option. Select AMI Meters, Single Phase. Select OK.



The screenshot shows the 'Set Compatibility' dialog box. Under the 'AMI' section, the 'AMI Meters' group box contains a checked checkbox for 'Single Phase'. There is also an unchecked checkbox for 'Save as Default'. At the bottom, there are 'OK' and 'Cancel' buttons.

6. Meter Identifiers Page: Here you can set the Scheme and Outstation number for Remote communication.



Power Master Unit - Scheme Editor - AS230 Miniflex

File Scheme Help

Save Send To Meter Print Share/Copy Page New Page

Summary Page  
**Meter Identifiers**  
 Passwords  
 Tariff/Display  
 Deferred Tariff  
 Deferred Setup  
 Billing  
 Relay Setup  
 Contactor  
 Load Profiling  
 Meter Options  
 Meter UI Options  
 Instrumentation Profile  
 Time and Date  
 Alarm Reporting

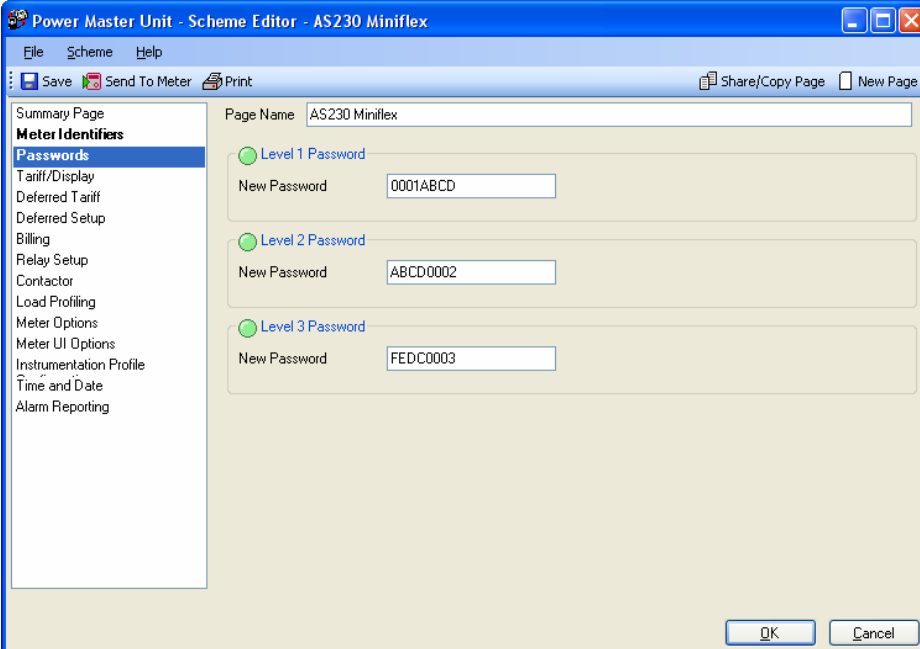
Page Name AS230 Miniflex

**Meter Scheme ID**  
 Meter Scheme ID Miniflex

**Outstation Number**  
 Outstation Number 001

OK Cancel

7. Passwords Page: Choose appropriate password for level 1 to 3. Displayed here are the default passwords.



Power Master Unit - Scheme Editor - AS230 Miniflex

File Scheme Help

Save Send To Meter Print Share/Copy Page New Page

Summary Page  
**Meter Identifiers**  
**Passwords**  
 Tariff/Display  
 Deferred Tariff  
 Deferred Setup  
 Billing  
 Relay Setup  
 Contactor  
 Load Profiling  
 Meter Options  
 Meter UI Options  
 Instrumentation Profile  
 Time and Date  
 Alarm Reporting

Page Name AS230 Miniflex

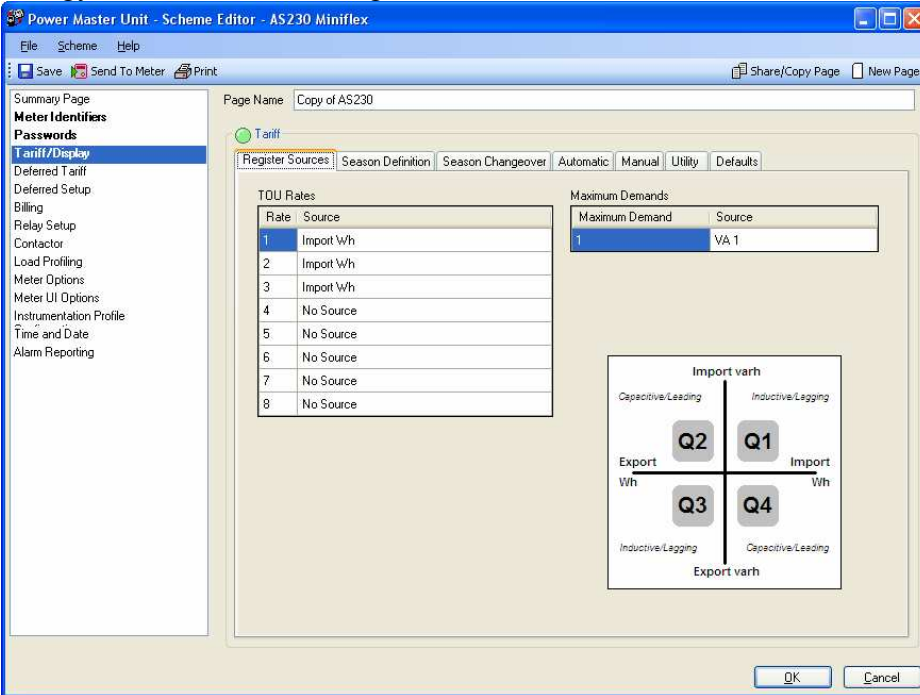
**Level 1 Password**  
 New Password 0001ABCD

**Level 2 Password**  
 New Password ABCD0002

**Level 3 Password**  
 New Password FEDC0003

OK Cancel

## 8: Tariff/Display Page – Register Sources Tab: Select the sources for Energy and Demand TOU registers.



Page Name: Copy of AS230

TOU Rates

Rate	Source
1	Import Wh
2	Import Wh
3	Import Wh
4	No Source
5	No Source
6	No Source
7	No Source
8	No Source

Maximum Demands

Maximum Demand	Source
1	VA 1

Import varh

Capacitive/Leading | Inductive/Lagging

Export Wh | Import Wh

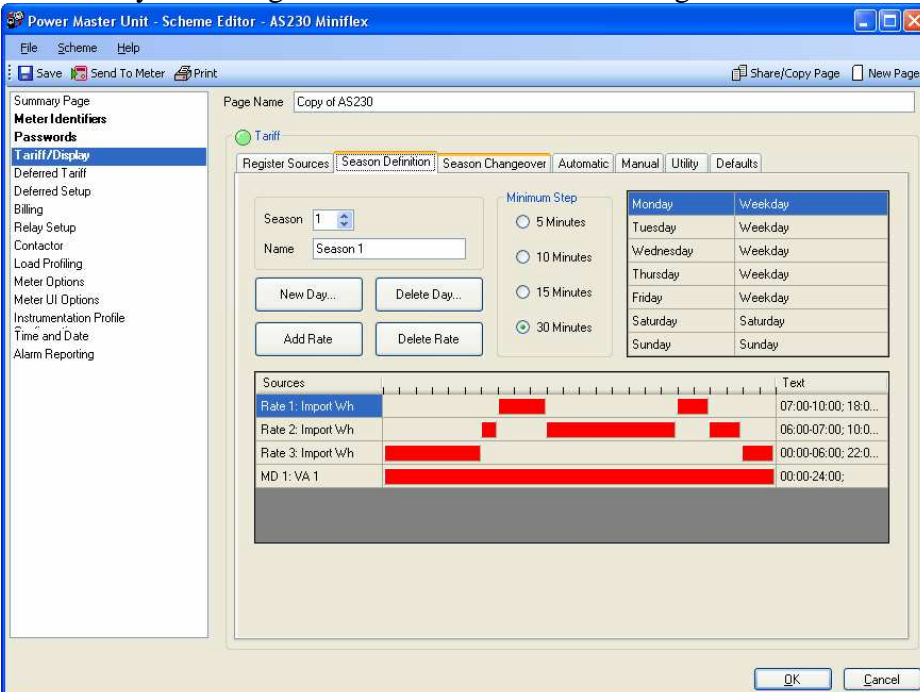
Q2 | Q1

Q3 | Q4

Inductive/Lagging | Capacitive/Leading

Export varh

## 9. Tariff/Display Page – Define Seasons Tab: Setup the switching times for Day-type Weekday, Saturday and Sunday according to the Miniflex TOU switching times.



Page Name: Copy of AS230

Season 1

Name: Season 1

New Day... Delete Day...

Add Rate Delete Rate

Minimum Step

☐ 5 Minutes

☐ 10 Minutes

☐ 15 Minutes

☒ 30 Minutes

Monday	Weekday
Tuesday	Weekday
Wednesday	Weekday
Thursday	Weekday
Friday	Weekday
Saturday	Saturday
Sunday	Sunday

Sources

Rate	Text
Rate 1: Import Wh	07:00-10:00; 18:00-19:00
Rate 2: Import Wh	06:00-07:00; 10:00-11:00
Rate 3: Import Wh	00:00-06:00; 22:00-23:00
MD 1: VA 1	00:00-24:00

Power Master Unit - Scheme Editor - AS230 Miniflex

File Scheme Help

Save Send To Meter Print Share/Copy Page New Page

Summary Page  
Meter Identifiers  
Passwords  
Tariff/Display  
Deferred Tariff  
Deferred Setup  
Billing  
Relay Setup  
Contactor  
Load Profiling  
Meter Options  
Meter UI Options  
Instrumentation Profile  
Time and Date  
Alarm Reporting

Page Name Copy of AS230

Tariff

Register Sources Season Definition Season Changeover Automatic Manual Utility Defaults

Season 1  
Name Season 1

New Day... Delete Day...

Add Rate Delete Rate

Minimum Step  
☐ 5 Minutes  
☐ 10 Minutes  
☐ 15 Minutes  
☒ 30 Minutes

Monday	Weekday
Tuesday	Weekday
Wednesday	Weekday
Thursday	Weekday
Friday	Weekday
Saturday	Saturday
Sunday	Sunday

Sources	Text
Rate 2: Import Wh	07:00-12:00; 18:00-19:00
Rate 3: Import Wh	00:00-07:00; 11:30-12:00
MD 1: VA 1	00:00-24:00

OK Cancel

Power Master Unit - Scheme Editor - AS230 Miniflex

File Scheme Help

Save Send To Meter Print Share/Copy Page New Page

Summary Page  
Meter Identifiers  
Passwords  
Tariff/Display  
Deferred Tariff  
Deferred Setup  
Billing  
Relay Setup  
Contactor  
Load Profiling  
Meter Options  
Meter UI Options  
Instrumentation Profile  
Time and Date  
Alarm Reporting

Page Name Copy of AS230

Tariff

Register Sources Season Definition Season Changeover Automatic Manual Utility Defaults

Season 1  
Name Season 1

New Day... Delete Day...

Add Rate Delete Rate

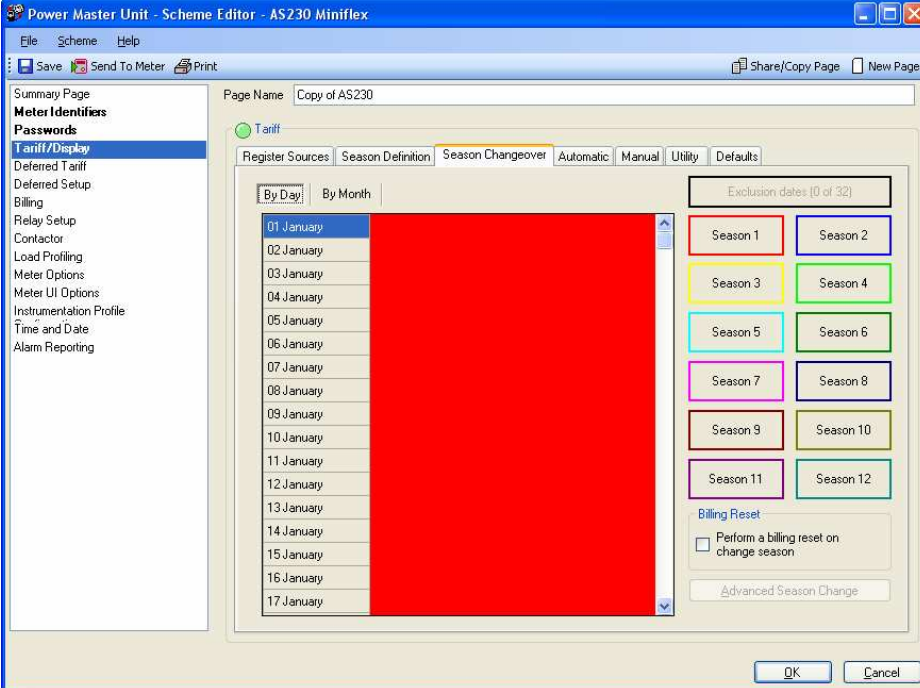
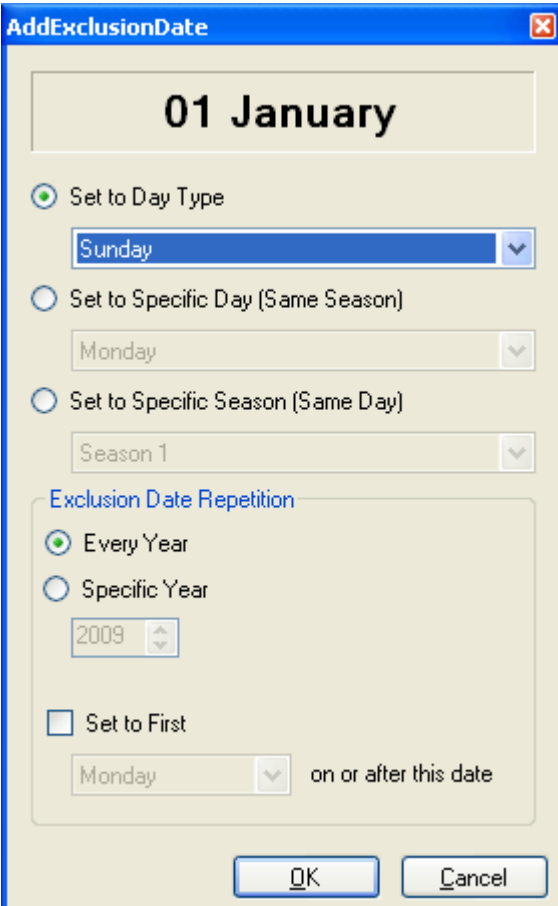
Minimum Step  
☐ 5 Minutes  
☐ 10 Minutes  
☐ 15 Minutes  
☒ 30 Minutes

Monday	Weekday
Tuesday	Weekday
Wednesday	Weekday
Thursday	Weekday
Friday	Weekday
Saturday	Saturday
Sunday	Sunday

Sources	Text
Rate 3: Import Wh	00:00-24:00
MD 1: VA 1	00:00-24:00

OK Cancel

10. Tariff/Display Page – Season Changeover Tab: Here you can select to enable the various seasons. In our example only one season has been setup. To setup the Public Holidays, select the appropriate day, and setup day type and date repetition for 2009/2010:

**AddExclusionDate**

**22 March**

☒ Set to Day Type  
Saturday

☐ Set to Specific Day (Same Season)  
Monday

☐ Set to Specific Season (Same Day)  
Season 1

Exclusion Date Repetition

☐ Every Year

☒ Specific Year  
2010

OK Cancel

**AddExclusionDate**

**27 December**

☒ Set to Day Type  
Saturday

☐ Set to Specific Day (Same Season)  
Monday

☐ Set to Specific Season (Same Day)  
Season 1

Exclusion Date Repetition

☐ Every Year

☒ Specific Year  
2010

OK Cancel



Power Master Unit - Scheme Editor - AS230 Miniflex

File Scheme Help

Save Send To Meter Print Share/Copy Page New Page

Summary Page  
Meter Identifiers  
Passwords  
Tariff/Display  
Deferred Tariff  
Deferred Setup  
Billing  
Relay Setup  
Contactor  
Load Profiling  
Meter Options  
Meter UI Options  
Instrumentation Profile Configuration  
Time and Date  
Alarm Reporting

Page Name Copy of AS230

Tariff

Register Sources Season Definition Season Changeover Automatic Manual Utility Defaults

By Day By Month

18 March	
19 March	
20 March	
21 March	Sunday
22 March	Saturday
23 March	
24 March	
25 March	
26 March	
27 March	
28 March	
29 March	
30 March	
31 March	
01 April	
02 April	Sunday
03 April	

Exclusion dates (14 of 32)

Season 1	Season 2
Season 3	Season 4
Season 5	Season 6
Season 7	Season 8
Season 9	Season 10
Season 11	Season 12

Billing Reset

☐ Perform a billing reset on change season

Advanced Season Change

OK Cancel

Power Master Unit - Scheme Editor - AS230 Miniflex

File Scheme Help

Save Send To Meter Print Share/Copy Page New Page

Summary Page  
Meter Identifiers  
Passwords  
Tariff/Display  
Deferred Tariff  
Deferred Setup  
Billing  
Relay Setup  
Contactor  
Load Profiling  
Meter Options  
Meter UI Options  
Instrumentation Profile Configuration  
Time and Date  
Alarm Reporting

Page Name Copy of AS230

Tariff

Register Sources Season Definition Season Changeover Automatic Manual Utility Defaults

By Day By Month

12 December	
13 December	
14 December	
15 December	
16 December	Sunday
17 December	
18 December	
19 December	
20 December	
21 December	
22 December	
23 December	
24 December	
25 December	Sunday
26 December	Sunday
27 December	Saturday
28 December	

Exclusion dates (14 of 32)

Season 1	Season 2
Season 3	Season 4
Season 5	Season 6
Season 7	Season 8
Season 9	Season 10
Season 11	Season 12

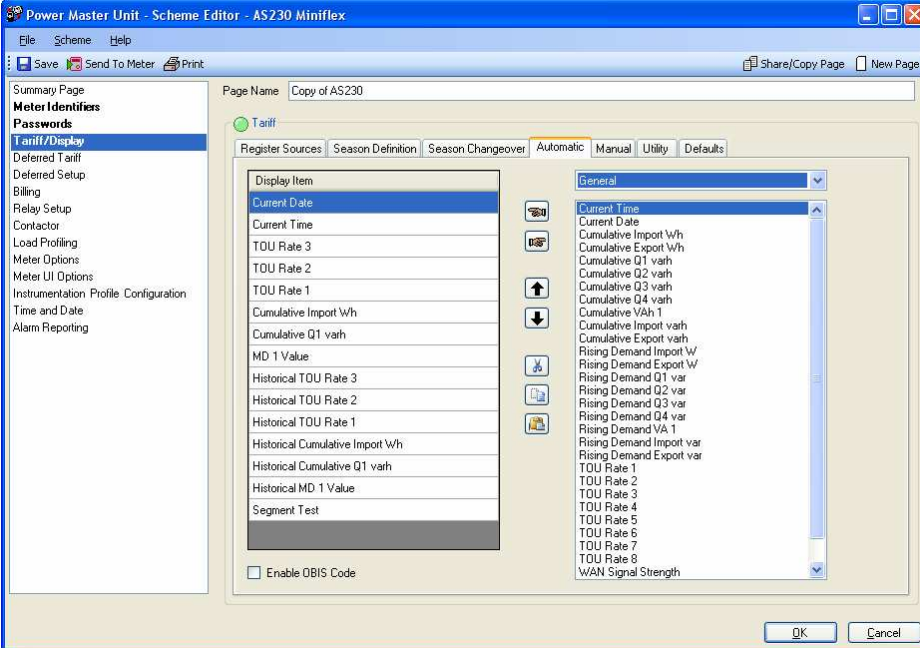
Billing Reset

☐ Perform a billing reset on change season

Advanced Season Change

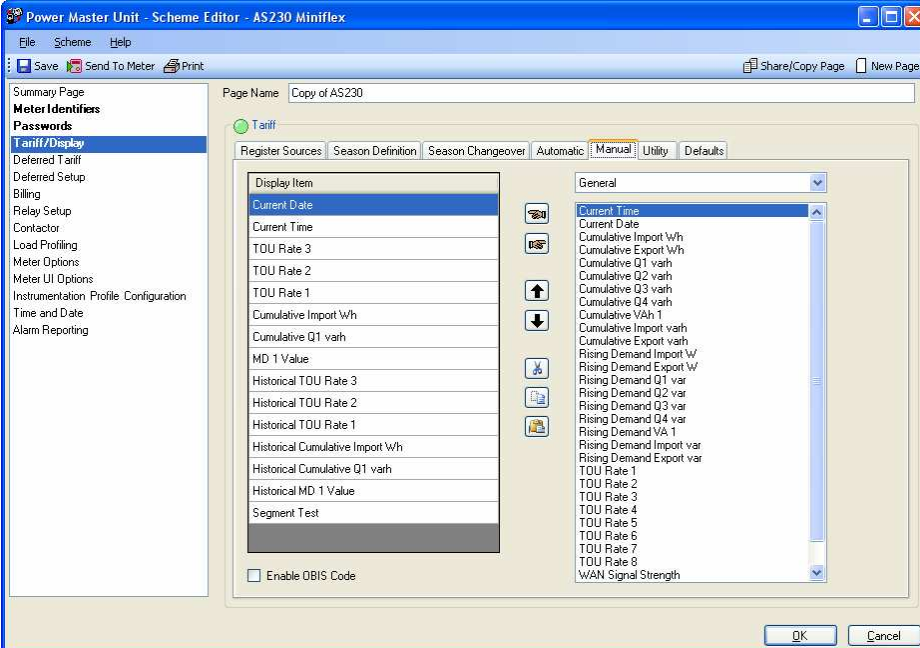
OK Cancel

## 11. Tariff/Display Page – Automatic Tab: Setup the auto display:



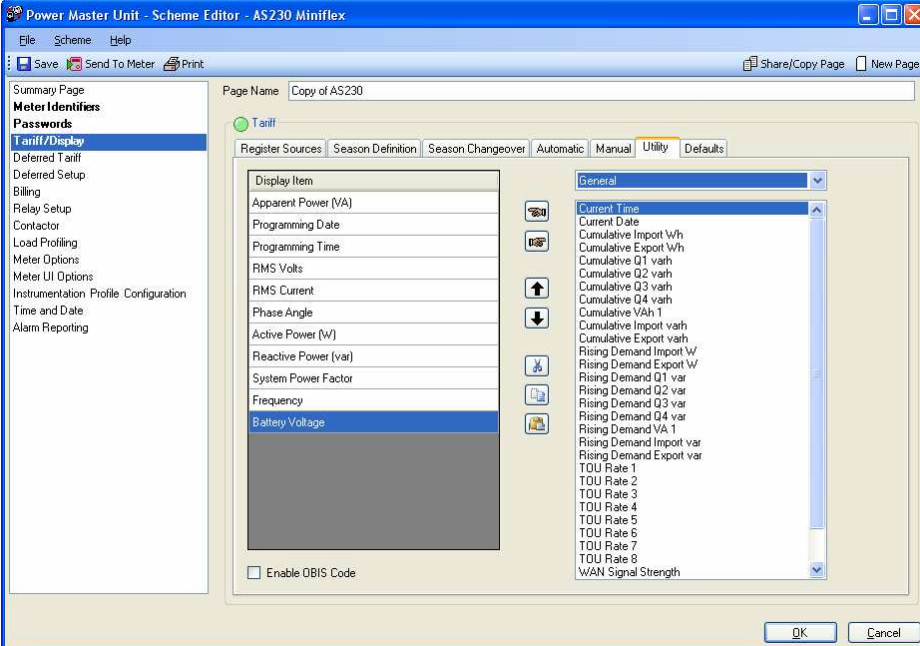
The screenshot shows the 'Power Master Unit - Scheme Editor - AS230 Miniflex' window. The 'Tariff' section is active, and the 'Automatic' tab is selected. The 'Display Item' list on the left includes: Current Date, Current Time, TOU Rate 3, TOU Rate 2, TOU Rate 1, Cumulative Import Wh, Cumulative Q1 varh, MD 1 Value, Historical TOU Rate 3, Historical TOU Rate 2, Historical TOU Rate 1, Historical Cumulative Import Wh, Historical Cumulative Q1 varh, Historical MD 1 Value, and Segment Test. The 'General' list on the right includes: Current Time, Current Date, Cumulative Import Wh, Cumulative Export Wh, Cumulative Q1 varh, Cumulative Q2 varh, Cumulative Q3 varh, Cumulative Q4 varh, Cumulative VAh 1, Cumulative Import varh, Cumulative Export varh, Rising Demand Import W, Rising Demand Export W, Rising Demand Q1 var, Rising Demand Q2 var, Rising Demand Q3 var, Rising Demand Q4 var, Rising Demand VA 1, Rising Demand Import var, Rising Demand Export var, TOU Rate 1, TOU Rate 2, TOU Rate 3, TOU Rate 4, TOU Rate 5, TOU Rate 6, TOU Rate 7, TOU Rate 8, and WAN Signal Strength. The 'Enable OBIS Code' checkbox is unchecked. The 'Page Name' is 'Copy of AS230'.

## 12. Tariff/Display Page – Manual Tab: Setup the Manual display:



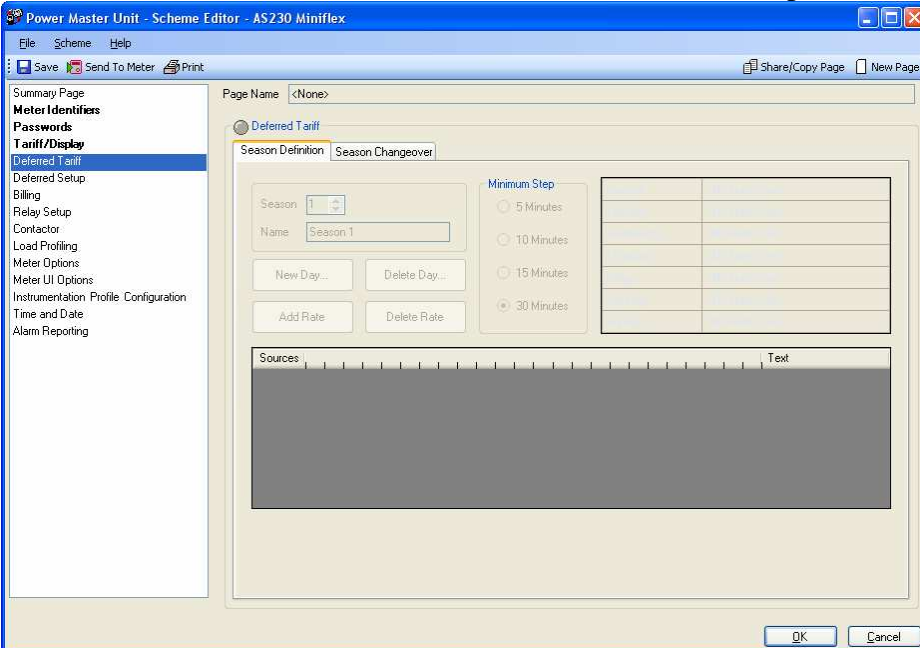
The screenshot shows the 'Power Master Unit - Scheme Editor - AS230 Miniflex' window. The 'Tariff' section is active, and the 'Manual' tab is selected. The 'Display Item' list on the left is identical to the previous screenshot. The 'General' list on the right is identical to the previous screenshot. The 'Enable OBIS Code' checkbox is unchecked. The 'Page Name' is 'Copy of AS230'.

### 13. Tariff/Display Page – Utility Tab: Here you can setup Engineering values, eg Instrumentation, etc:

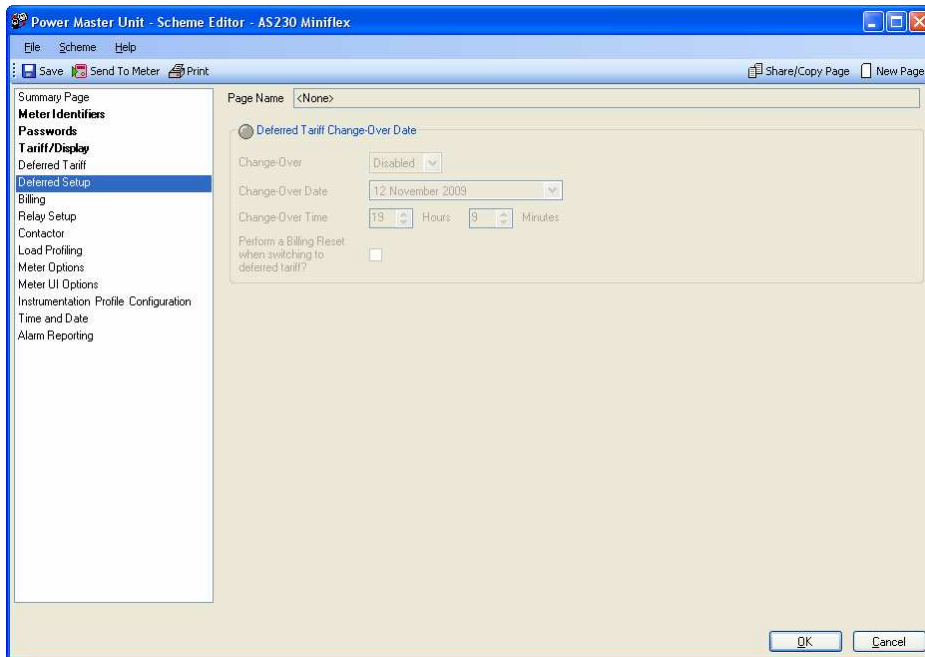


The screenshot shows the 'Power Master Unit - Scheme Editor - AS230 Miniflex' window. The 'Tariff/Display' page is selected in the left sidebar. The 'Utility' tab is active, showing a list of display items on the right. The 'Display Item' list includes: Apparent Power (VA), Programming Date, Programming Time, RMS Volts, RMS Current, Phase Angle, Active Power (W), Reactive Power (var), System Power Factor, Frequency, and Battery Voltage. The 'General' tab is selected, and the 'Current Time' is displayed. The 'Enable OBIS Code' checkbox is unchecked. The 'OK' and 'Cancel' buttons are at the bottom right.

### 14. If needed, a Deferred Tariff can be set to be enabled at a specific date and time:



The screenshot shows the 'Power Master Unit - Scheme Editor - AS230 Miniflex' window. The 'Deferred Tariff' page is selected in the left sidebar. The 'Season Definition' tab is active, showing a table for defining seasons. The 'Name' field is set to 'Season 1'. The 'Minimum Step' is set to 30 Minutes. The 'Sources' table is empty. The 'OK' and 'Cancel' buttons are at the bottom right.



**Power Master Unit - Scheme Editor - AS230 Miniflex**

File Scheme Help

Save Send To Meter Print Share/Copy Page New Page

Summary Page  
Meter Identifiers  
Passwords  
Tariff/Display  
Deferred Tariff  
**Deferred Setup**  
Billing  
Relay Setup  
Contactor  
Load Profiling  
Meter Options  
Meter UI Options  
Instrumentation Profile Configuration  
Time and Date  
Alarm Reporting

Page Name: <None>

☒ **Deferred Tariff Change-Over Date**

Change-Over: Disabled

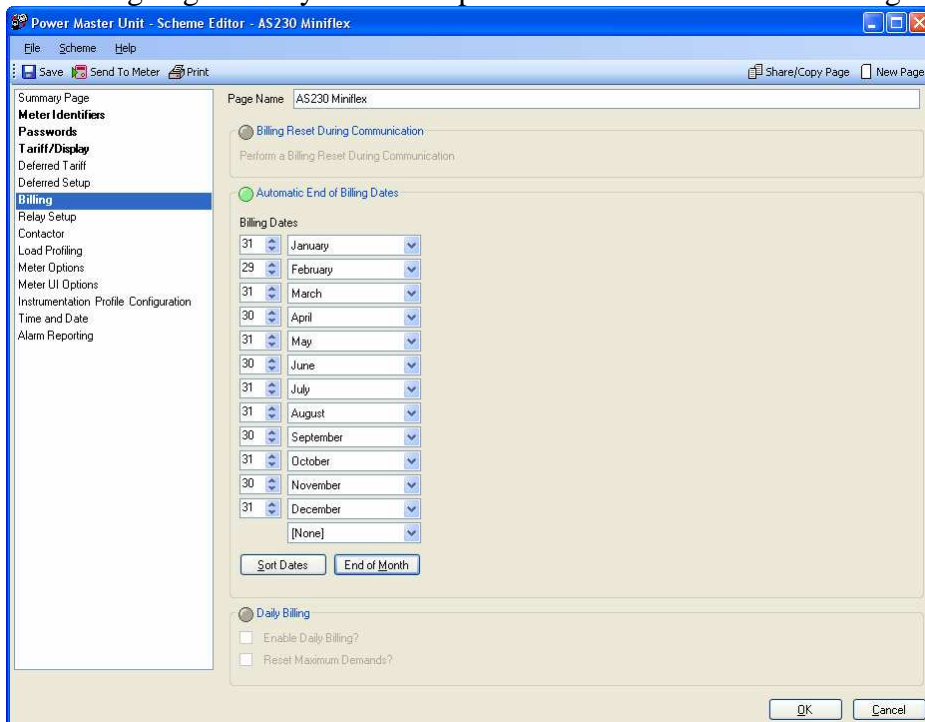
Change-Over Date: 12 November 2009

Change-Over Time: 19 Hours 9 Minutes

Perform a Billing Reset when switching to deferred tariff? ☐

OK Cancel

15. Billing Page: Here you can setup the meter to do automatic billing reset on a specified date:



**Power Master Unit - Scheme Editor - AS230 Miniflex**

File Scheme Help

Save Send To Meter Print Share/Copy Page New Page

Summary Page  
Meter Identifiers  
Passwords  
Tariff/Display  
Deferred Tariff  
Deferred Setup  
**Billing**  
Relay Setup  
Contactor  
Load Profiling  
Meter Options  
Meter UI Options  
Instrumentation Profile Configuration  
Time and Date  
Alarm Reporting

Page Name: AS230 Miniflex

☒ **Billing Reset During Communication**  
Perform a Billing Reset During Communication

☒ **Automatic End of Billing Dates**

**Billing Dates**

31	January
29	February
31	March
30	April
31	May
30	June
31	July
31	August
30	September
31	October
30	November
31	December
	[None]

Sort Dates End of Month

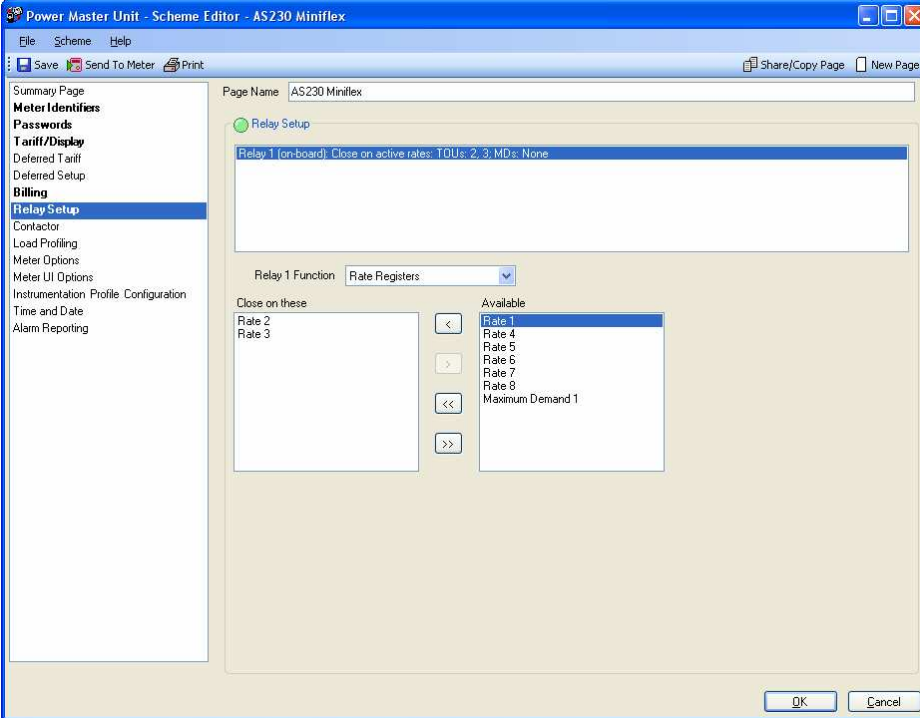
☒ **Daily Billing**

☐ Enable Daily Billing?

☐ Reset Maximum Demands?

OK Cancel

16. Relay Setup Page: Setup according to requirement. The A230 has one relay that can be programmed to follow a TOU rate.



Power Master Unit - Scheme Editor - AS230 Miniflex

File Scheme Help

Save Send To Meter Print Share/Copy Page New Page

Summary Page  
Meter Identifiers  
Passwords  
Tariff/Display  
Deferred Tariff  
Deferred Setup  
Billing  
Relay Setup  
Contactor  
Load Profiling  
Meter Options  
Meter UI Options  
Instrumentation Profile Configuration  
Time and Date  
Alarm Reporting

Page Name AS230 Miniflex

Relay Setup

Relay 1 (on-board): Close on active rates: TOUs: 2, 3, MDs: None

Relay 1 Function Rate Registers

Close on these

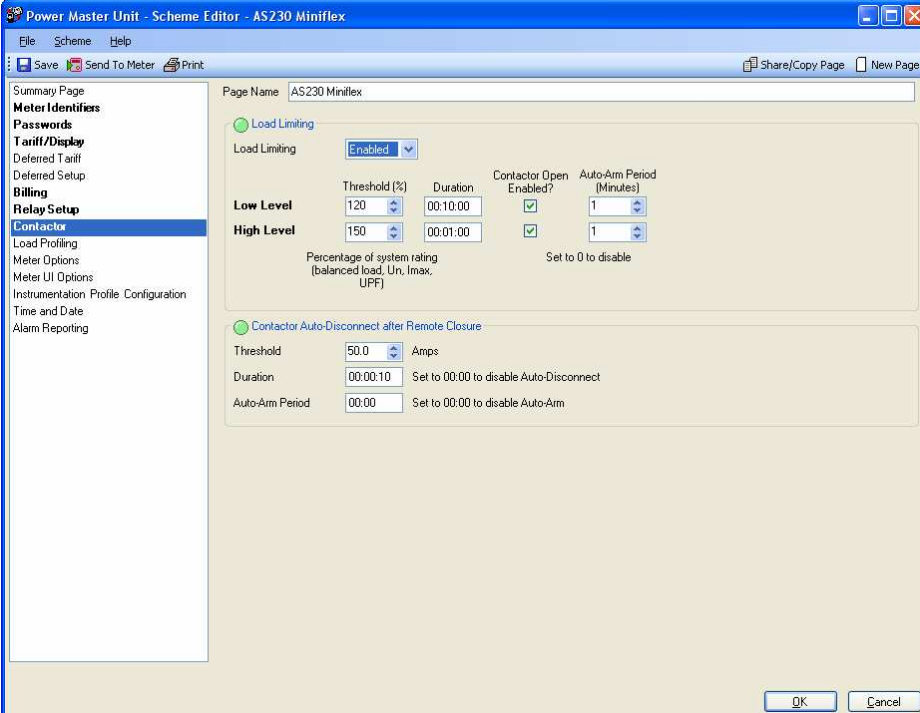
Rate 2  
Rate 3

Available

Rate 1  
Rate 4  
Rate 5  
Rate 6  
Rate 7  
Rate 8  
Maximum Demand 1

OK Cancel

17. Contactor Page: The AS230 has an internal 100Amp Contactor. On this page you can enable and set the Load Limiting, and Auto-Disconnect and Remote Closure functionality.



Power Master Unit - Scheme Editor - AS230 Miniflex

File Scheme Help

Save Send To Meter Print Share/Copy Page New Page

Summary Page  
Meter Identifiers  
Passwords  
Tariff/Display  
Deferred Tariff  
Deferred Setup  
Billing  
Relay Setup  
Contactor  
Load Profiling  
Meter Options  
Meter UI Options  
Instrumentation Profile Configuration  
Time and Date  
Alarm Reporting

Page Name AS230 Miniflex

Load Limiting

Load Limiting Enabled

	Threshold (%)	Duration	Contactor Open Enabled?	Auto-Arm Period (Minutes)
Low Level	120	00:10:00	<input checked="" type="checkbox"/>	1
High Level	150	00:01:00	<input checked="" type="checkbox"/>	1

Percentage of system rating (balanced load, Un, Imax, UPF)

Set to 0 to disable

Contactor Auto-Disconnect after Remote Closure

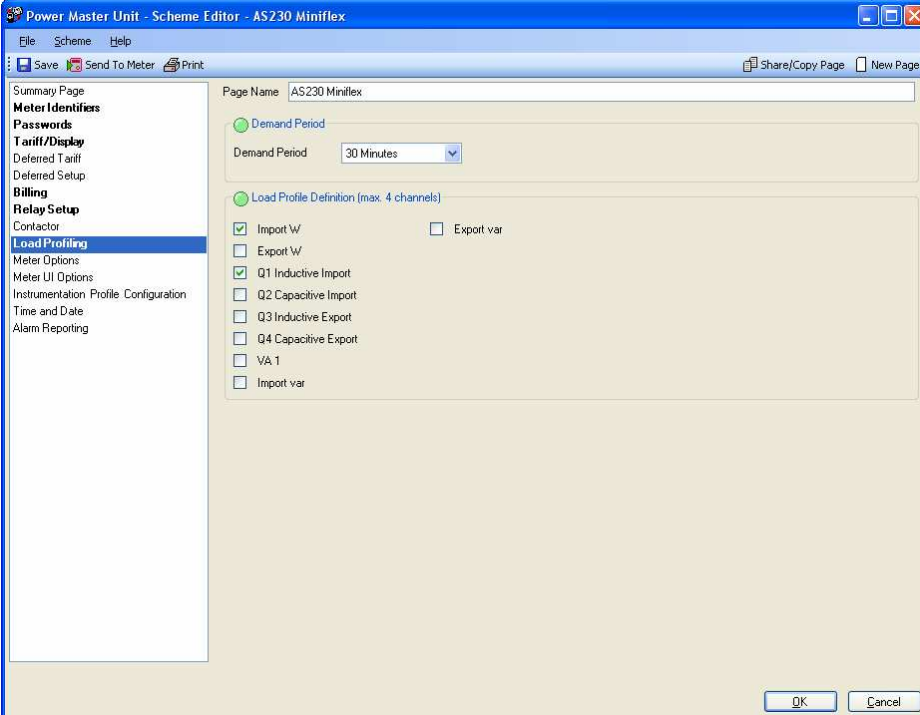
Threshold 50.0 Amps

Duration 00:00:10 Set to 00:00 to disable Auto-Disconnect

Auto-Arm Period 00:00 Set to 00:00 to disable Auto-Arm

OK Cancel

18. Load Profiling Page: Setup the Load Profile Definition and Integration period. Maximum 4 channels can be selected at a given time.



Power Master Unit - Scheme Editor - AS230 Miniflex

Page Name: AS230 Miniflex

**Demand Period**

Demand Period: 30 Minutes

**Load Profile Definition (max. 4 channels)**

☒ Import W ☐ Export var

☐ Export W

☒ Q1 Inductive Import

☐ Q2 Capacitive Import

☐ Q3 Inductive Export

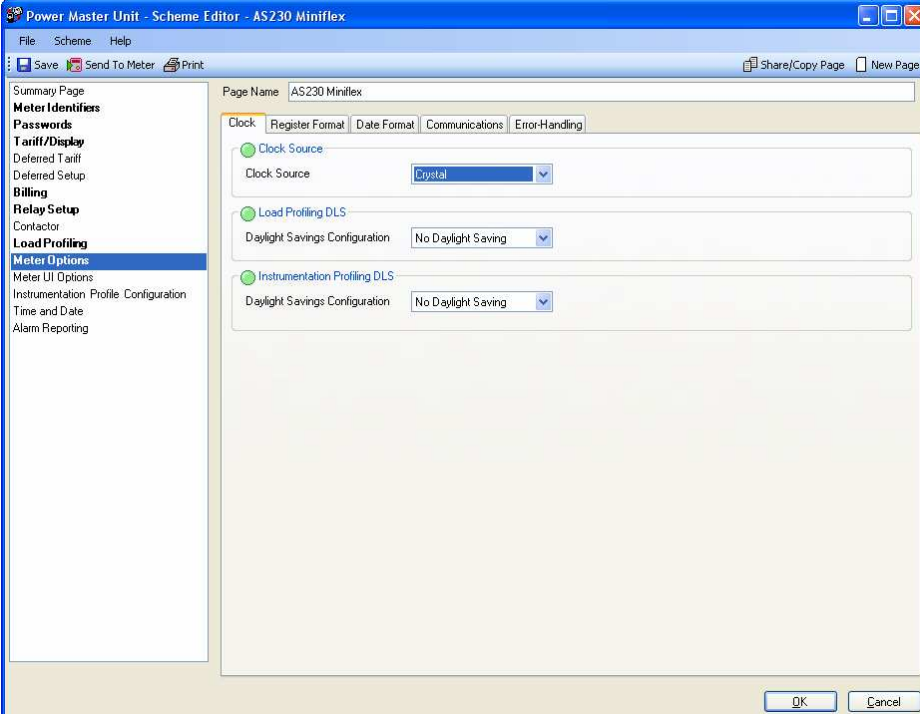
☐ Q4 Capacitive Export

☐ VA 1

☐ Import var

OK Cancel

19. Meter Options Page – Clock Tab: Select Crystal (preferred) as clock source, and disable Daylight saving when meter to be installed in South Africa.



Power Master Unit - Scheme Editor - AS230 Miniflex

Page Name: AS230 Miniflex

**Clock** Register Format Date Format Communications Error-Handling

**Clock Source**

Clock Source: Crystal

**Load Profiling DLS**

Daylight Savings Configuration: No Daylight Saving

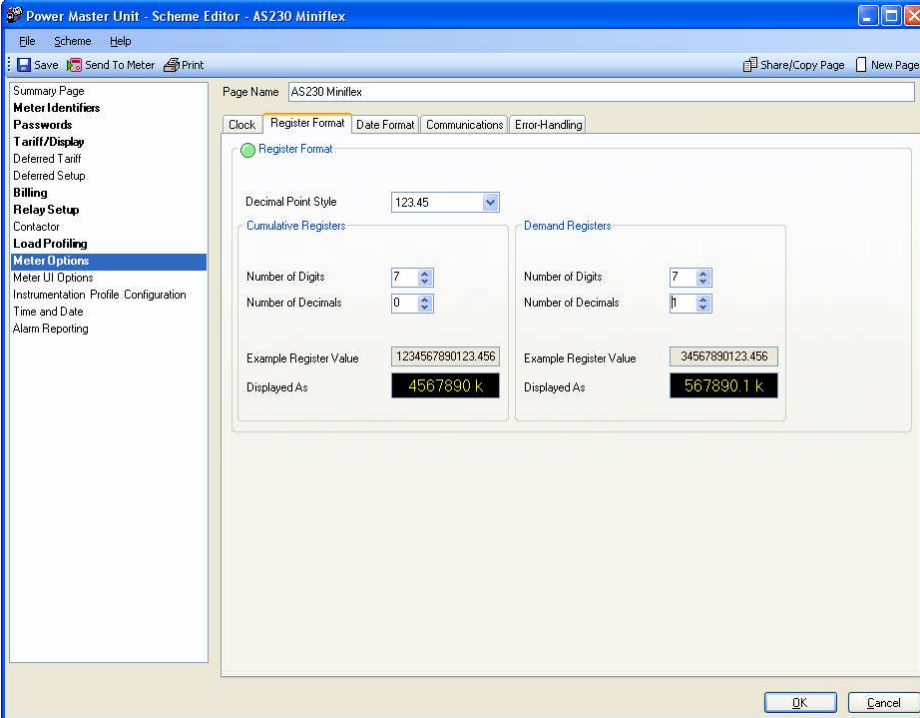
**Instrumentation Profiling DLS**

Daylight Savings Configuration: No Daylight Saving

OK Cancel

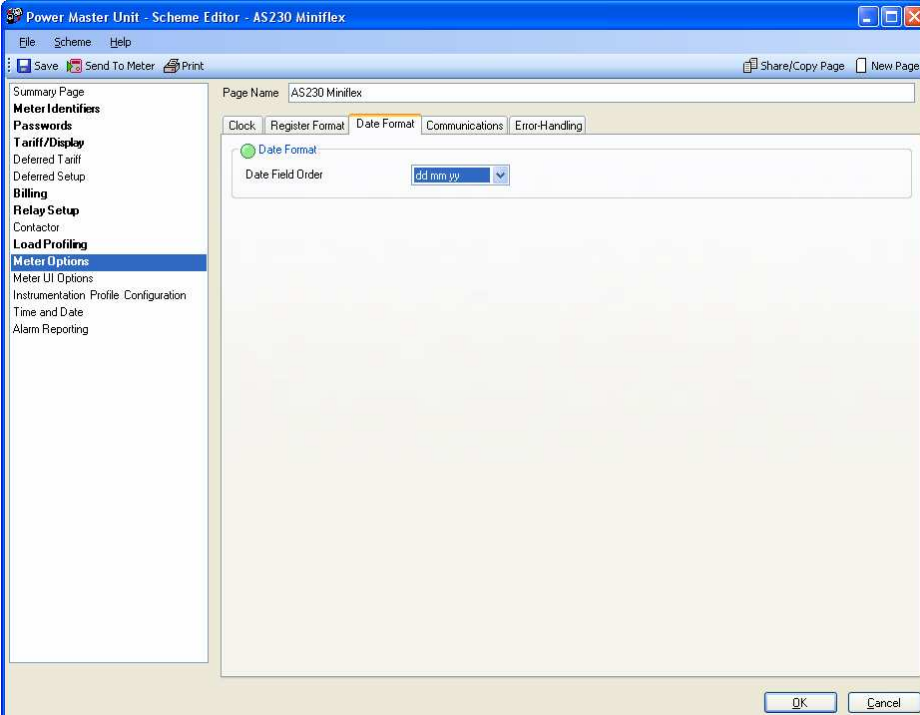


## 20. Meter Options Page – Register Format Tab: Set according to requirement.



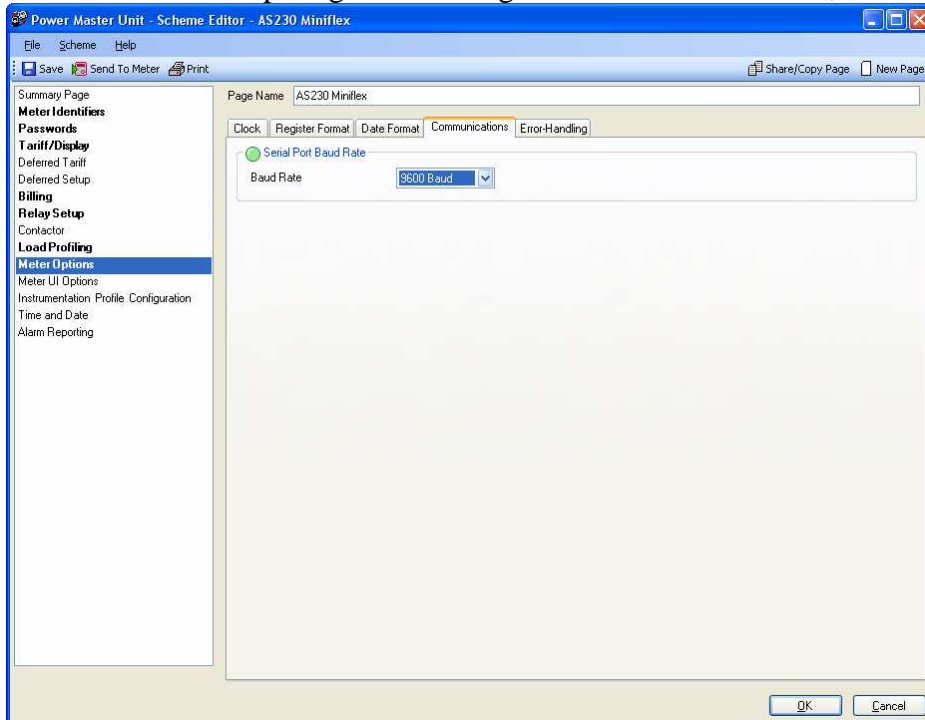
The screenshot shows the 'Power Master Unit - Scheme Editor - AS230 Miniflex' window. The left sidebar lists various configuration pages, with 'Meter Options' selected. The main area displays the 'Register Format' tab, which is part of a sequence including 'Clock', 'Date Format', 'Communications', and 'Error-Handling'. The 'Register Format' tab is active and shows settings for 'Cumulative Registers' and 'Demand Registers'. The 'Decimal Point Style' is set to '123.45'. For 'Cumulative Registers', the 'Number of Digits' is 7 and 'Number of Decimals' is 0, with an example value of 1234567890123.456 displayed as 4567890 k. For 'Demand Registers', the 'Number of Digits' is 7 and 'Number of Decimals' is 1, with an example value of 34567890123.456 displayed as 567890.1 k. The 'OK' and 'Cancel' buttons are at the bottom right.

## 21. Meter Options Page – Date Format Tab: Set according to requirement.



The screenshot shows the same 'Power Master Unit - Scheme Editor - AS230 Miniflex' window, but with the 'Date Format' tab selected in the 'Meter Options' page. The 'Date Field Order' is set to 'dd mm yy'. The 'OK' and 'Cancel' buttons are at the bottom right.

22. Meter Options Page – Communications Tab: Here you can enable/disable the communications of the AS230 to avoid tampering. When using Remote communication, set the Serial Port Baud Rate to 9600.



Power Master Unit - Scheme Editor - AS230 Miniflex

Page Name: AS230 Miniflex

File Scheme Help

Save Send To Meter Print Share/Copy Page New Page

Summary Page

**Meter Identifiers**

Passwords

**Tariff/Display**

Deferred Tariff

Deferred Setup

**Billing**

**Relay Setup**

Contactors

**Load Profiling**

**Meter Options**

Meter UI Options

Instrumentation Profile Configuration

Time and Date

Alarm Reporting

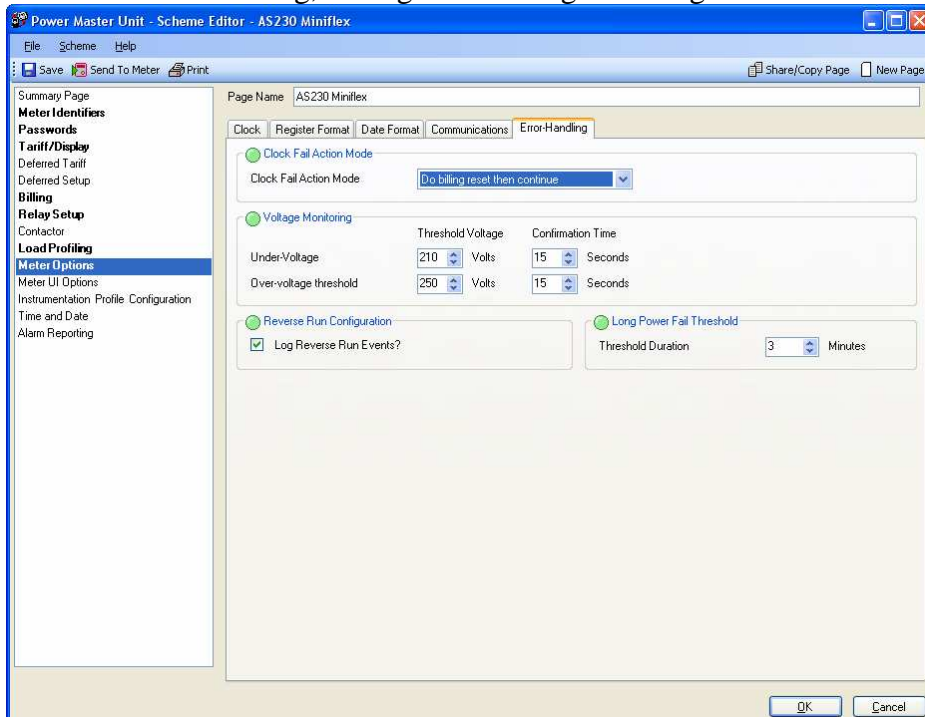
Clock Register Format Date Format **Communications** Error Handling

Serial Port Baud Rate

Baud Rate: 9600 Baud

OK Cancel

23. Meter Options Page – Error Handling Tab: Here you can set the Phase Fail threshold level monitoring Reverse run monitoring, Voltage monitoring and Long Power Fail Threshold.



Power Master Unit - Scheme Editor - AS230 Miniflex

Page Name: AS230 Miniflex

File Scheme Help

Save Send To Meter Print Share/Copy Page New Page

Summary Page

**Meter Identifiers**

Passwords

**Tariff/Display**

Deferred Tariff

Deferred Setup

**Billing**

**Relay Setup**

Contactors

**Load Profiling**

**Meter Options**

Meter UI Options

Instrumentation Profile Configuration

Time and Date

Alarm Reporting

Clock Register Format Date Format **Error Handling**

Clock Fail Action Mode

Clock Fail Action Mode: Do billing reset then continue

Voltage Monitoring

	Threshold Voltage	Confirmation Time
Under-Voltage	210 Volts	15 Seconds
Over-voltage threshold	250 Volts	15 Seconds

Reverse Run Configuration

☒ Log Reverse Run Events?

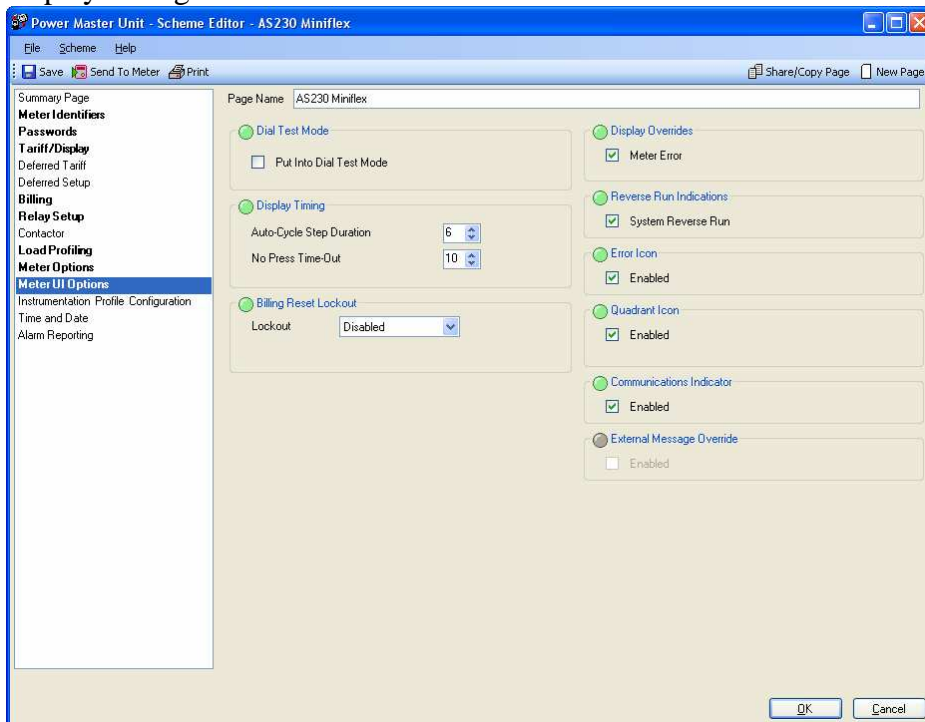
Long Power Fail Threshold

Threshold Duration: 3 Minutes

OK Cancel



24. Meter UI Options Page: Setup what will be displayed on the meter when an error occurs and set display timing.

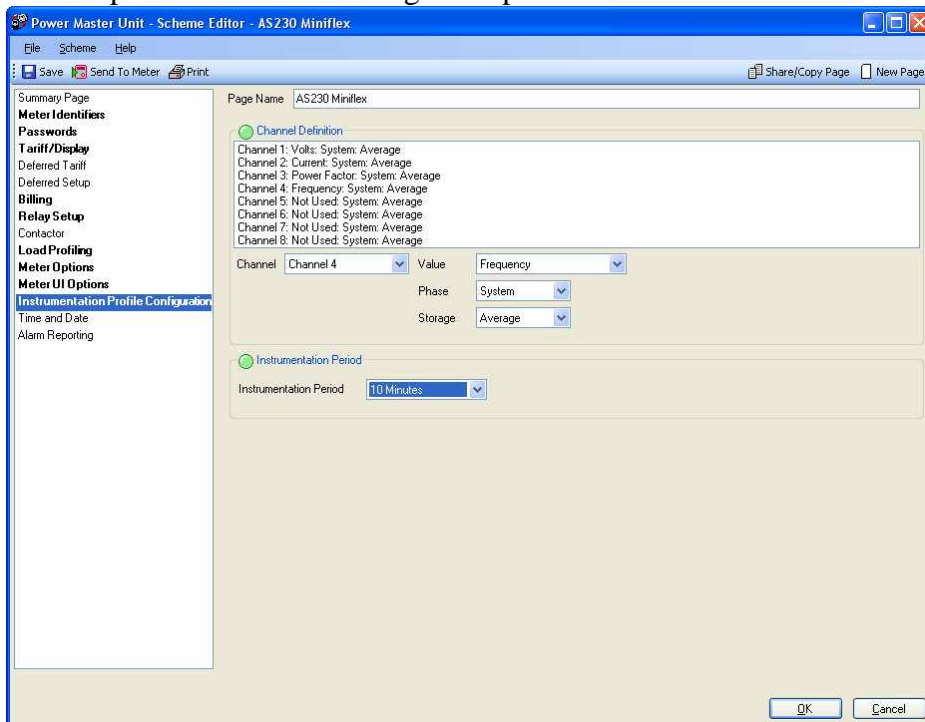


The screenshot shows the 'Meter UI Options' page in the 'Power Master Unit - Scheme Editor - AS230 Miniflex' application. The left sidebar lists various configuration sections, with 'Meter UI Options' selected. The main area is divided into two columns of settings:

- Dial Test Mode:** Includes a checkbox for 'Put Into Dial Test Mode'.
- Display Timing:** Includes 'Auto-Cycle Step Duration' (set to 6) and 'No Press Time-Out' (set to 10).
- Billing Reset Lockout:** Includes a dropdown menu for 'Lockout' (set to 'Disabled').
- Display Overrides:** Includes a checked checkbox for 'Meter Error'.
- Reverse Run Indications:** Includes a checked checkbox for 'System Reverse Run'.
- Error Icon:** Includes a checked checkbox for 'Enabled'.
- Quadrant Icon:** Includes a checked checkbox for 'Enabled'.
- Communications Indicator:** Includes a checked checkbox for 'Enabled'.
- External Message Override:** Includes an unchecked checkbox for 'Enabled'.

At the bottom right, there are 'OK' and 'Cancel' buttons.

25. Instrumentation Profile Configuration Page: The AS230 can profile Instrumentation values. Here you can setup the channels and Integration period.

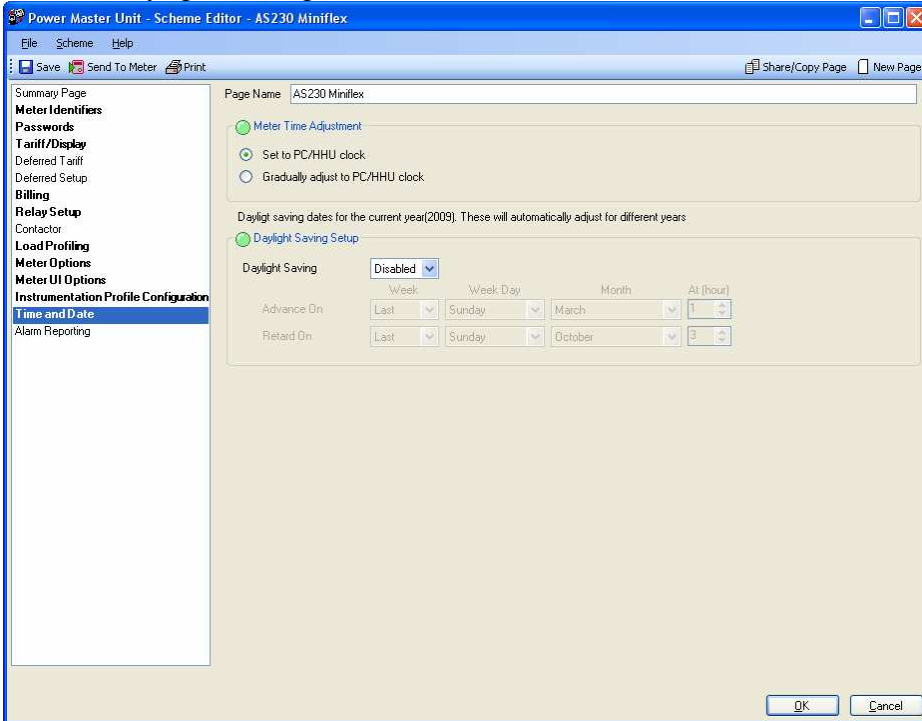


The screenshot shows the 'Instrumentation Profile Configuration' page in the 'Power Master Unit - Scheme Editor - AS230 Miniflex' application. The left sidebar lists various configuration sections, with 'Instrumentation Profile Configuration' selected. The main area is divided into two sections:

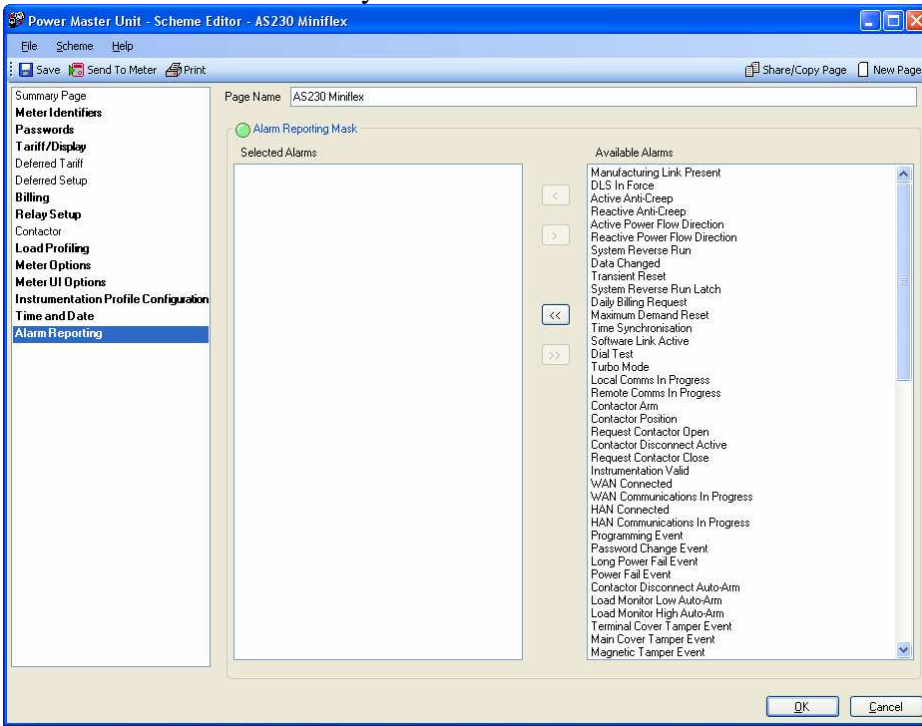
- Channel Definition:** A list of channels (Channel 1 to Channel 8) with their respective values and phases. Below this, there are dropdown menus for 'Channel' (set to 'Channel 4'), 'Value' (set to 'Frequency'), 'Phase' (set to 'System'), and 'Storage' (set to 'Average').
- Instrumentation Period:** Includes a dropdown menu for 'Instrumentation Period' (set to '10 Minutes').

At the bottom right, there are 'OK' and 'Cancel' buttons.

26. Time and Date Page: When this page is sent to the meter, the date and time of the meter will be set. Disable Daylight Saving when the meter will be installed in South Africa.

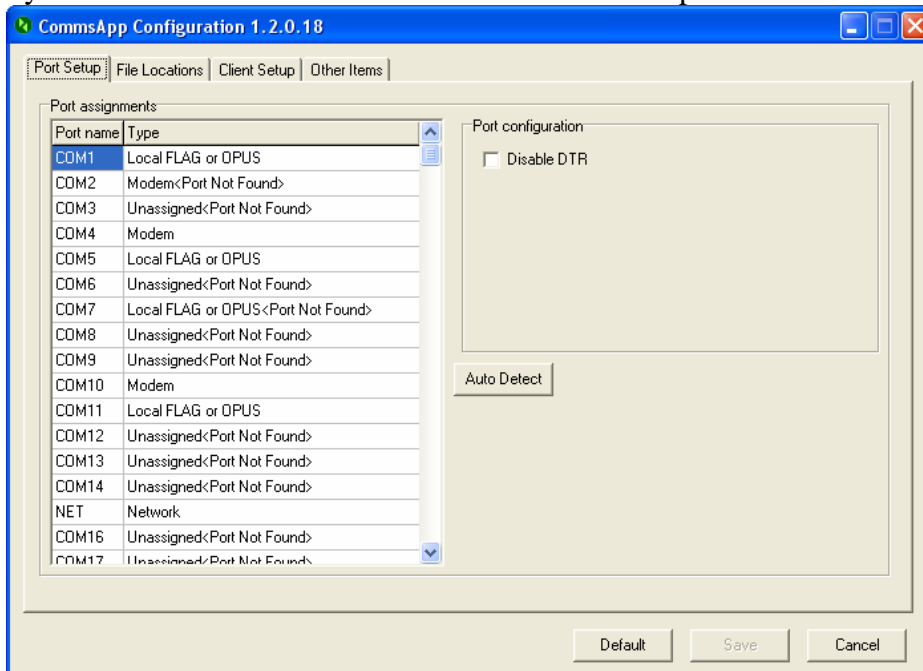


27. Alarm Reporting Page: When using an appropriate modem, the AS230 can be set to report a number of alarms to the Head-End system.

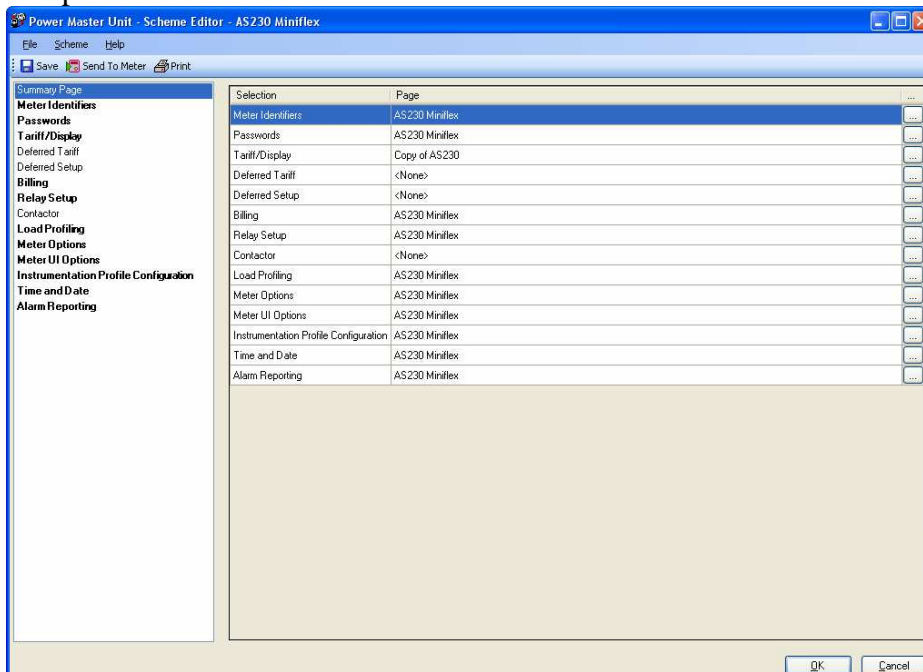


## **(B) Programming the AS230:**

1. Before programming the meter, first verify that the communication has been setup correctly. Select the System Tab and choose Communication Server Setup.



2. Open the scheme that need to be sent to the meter and select the Sent to Meter button:



3. The communication box will be displayed. Select the Connection Type (Local Flag for local communication), insert the level 3 password, and select OK.



The image shows a Windows-style dialog box titled "Power Master Unit - Communications Settings". It contains four input fields: "Connection" with a dropdown menu showing "Local Flag", "COM Port" with a text box containing "1", "Minimum Password Level Required" with a text box containing "Level 3", and "Password" with a text box containing "FEDC0003". At the bottom right are "OK" and "Cancel" buttons.

Connection	Local Flag
COM Port	1
Minimum Password Level Required	Level 3
Password	FEDC0003

OK Cancel