



## iREM Remotely Monitored PDU

iREM iPower APD (Accessible Power Distribution) is a single-phase Remote Energy Metering device that provides both local and remote readings over SNMP.

iREM will take the following measurements with an accuracy of 1%.

RMS Amps, Peak Amps, Volts AC, kVA, Kilowatts, Internal Temperature, Kg/CO<sub>2</sub>, BTU/h  
RSM Volts, Peak Volts, Amps AC, kWh, Power Factor, Consumption cost, kJ/H

It provides a thorough analysis of real time power usage across all connected devices and has an easy-to-use HTML interface with the ability to set SMS & Email alarms for all critical parameters.

iREM is configurable to suit individual requirements. It can be a PDU or an in-line device, to provide remote monitoring for legacy systems.

### Step by step on screen guide makes installation simple

Each of the inbuilt HTML pages contain full instructions to guide you through the setup process and explains how to set Traps and Alerts for critical parameters.

The screenshot displays the iREM web interface with the following sections:

- Overview** | **Metering** | **Configuration** | **Logout** | **Slave PDUs**
- Measurements**

			Low Alarm	High Alarm
Voltage	237.1	VAC	<input type="checkbox"/> 210.0	<input type="checkbox"/> 265.0
Current	3.92	Amps	<input type="checkbox"/> 0.2	<input type="checkbox"/> 40.0
Wattage	2.171	kWs	<input type="checkbox"/> 0.1	<input type="checkbox"/> 5.0
Frequency	50.0	Hz	<input type="checkbox"/> 45.0	<input type="checkbox"/> 60.0
Power Factor	0.000	PF	<input type="checkbox"/> 0.100	<input type="checkbox"/> 0.900
Temperature	40.50	C	<input type="checkbox"/> 5.0	<input type="checkbox"/> 50.0
- Extended values**

Peak Voltage	328.1	VAC	Peak Current	5.91	Amps	kVA	0.9294	kVA
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- Energy usage**

kW/h	0.3	BTU/h	1023.6
kg/CO <sub>2</sub>	0.2	kJ/h	1080.0
Cost (£)	0.0		

Buttons:
- Help**

This page provides status for the phase connected to the meter. High and low alarm thresholds may be setup for voltage, current, wattage, frequency, internal temperature or power factor by clicking on the associated checkbox, changing the threshold value and clicking on 'Save Changes'. Clicking on 'Reset Energy' will zero all energy values for that phase.

## PDU Agent™ Software - Consolidate all your readings with PDU Agent.

Entry level management platform with easy-to-use dash-board layout lets you log measurements and events from multiple products for historical evaluation and to collate and produce accurate billing information.

PDU Status view [Address: 192.168.0.33 Client: Client Name Location: Location Name]

<b>PDU Status</b> Name : <input type="text" value="PDU 1"/> Status : <span style="background-color: green; color: white; padding: 2px 5px;">ONLINE</span> <span style="margin-left: 20px;">DISABLE</span> <span style="margin-left: 20px;">RESET</span>		<b>PDU Information</b> No. of ports : <input type="text" value="12"/> Serial No. : <input type="text" value="None"/> Address : <input type="text" value="1"/> Firmware : <input type="text" value="0.16.01"/>	
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Meter 1	Meter 2	Meter 3	Total Energy and Phase / Feed balance	
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<b>PDU Values</b> Volts : <input type="text" value="243.7V"/> Low Alarm : <input type="checkbox"/> 220 High Alarm : <input type="checkbox"/> 260 Low Alarm Email text : <input type="text" value="Meter 1 Volts low"/> High Alarm Email text : <input type="text" value="Meter 1 Volts high"/> Amps : <input type="text" value="0.04A"/> <input type="checkbox"/> 0.1 <input type="checkbox"/> 32 Meter 1 Amps low : <input type="text" value="Meter 1 Amps low"/> Meter 1 Amps high : <input type="text" value="Meter 1 Amps high"/> kW : <input type="text" value="0.007"/> <input type="checkbox"/> 0.1 <input type="checkbox"/> 10 Meter 1 kW low : <input type="text" value="Meter 1 kW low"/> Meter 1 kW high : <input type="text" value="Meter 1 kW high"/> Temp : <input type="text" value="25.01C"/> <input type="checkbox"/> 10 <input type="checkbox"/> 50 Meter 1 Temp low : <input type="text" value="Meter 1 Temp low"/> Meter 1 Temp high : <input type="text" value="Meter 1 Temp high"/> PF : <input type="text" value="0.671"/> <input type="checkbox"/> 0.2 <input type="checkbox"/> 0.999 Meter 1 PF low : <input type="text" value="Meter 1 PF low"/> Meter 1 PF high : <input type="text" value="Meter 1 PF high"/> Freq : <input type="text" value="50.0Hz"/> <input type="checkbox"/> 45.0 <input type="checkbox"/> 55.0 Meter 1 Frequency low : <input type="text" value="Meter 1 Frequency low"/> Meter 1 Frequency high : <input type="text" value="Meter 1 Frequency high"/>					<b>Energy Consumption</b> kW/h : <input type="text" value="47.8"/> BTU/h : <input type="text" value="163100.292"/> kgCO2 : <input type="text" value="26.0032"/> kJ/h : <input type="text" value="172080"/> Energy Cost : <input type="text" value="£7.17"/>	
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Phase and feed setup  
 Phase :  Feed :

Environmental Security Socket 1 Socket 2 Socket 3 Socket 4 Socket 5 Socket 6 Socket 7 Socket 8 Socket 9 Socket 10 Socket 11

Environment  
 Temp S1 Humidity Sensor Temp S2 Temp S3 Temp S4 Temp S5 Temp S6 Temp S7 Temp S8  
 Temperature :  Low Alarm : ☐ 10 High Alarm : ☐ 50 Low Alarm Email text :  High Alarm Email text :

Contact monitoring  
 Input 1 :  Trigger :  Name :  Alarm trigger Email text :  Alarm cleared Email text :  Clear Input  
 Input 2 :      Clear Input  
 Input 3 :      Clear Input


Save Settings Close

The simple display with a true RMS ammeter has a button to physically scroll through the energy metrics anytime when in the vicinity.



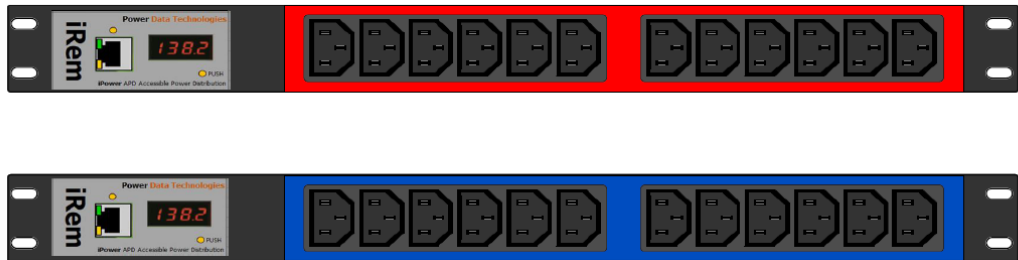
iREM products are manufactured in the UK, so we can offer bespoke products with a mix of sockets and plug inputs.

We offer a unique design service where we offer drawings prior to purchase making sure the client is getting their product fit and function.

NOT TO SCALE		PowerData Technologies iRem Remote Monitor PDU	
			
PDT-527B-N3C Rating: 32A@240V Input: 3m 3x4mm H07 RNF cable to IEC309 32A Commando Protection: 2x 16A Thermal Trips			
Body Dimensions:	55mm Wide 67mm Deep 985mm Long	Input:	3-metre 3x 4mmsq lead 32A commando
Fixing Centres: 1075mm	1075mm	Output:	20x C13 and 4x C19
Material:	Extrusion/Mild Steel	Estimated weight:	3.5kg
Finish:	Black Powder coat	Standards:	Manufactured in accordance with BS EN 60950-1
Fixing Method:	End Brackets	WEEE:	Compliant
Protection:	2x 16A Thermal Trips	RoHS:	Compliant
Earthing:	M6 Earth Stud to end	CE:	Compliant
Rating:	32A	Max Op Temperature:	-10° to +50°C
Drawing No. PDT-527B-N3C	<p>©2021. This drawing and the works depicted are the copyright of PDT Ltd and may not be reproduced or amended except by written permission. No liability will be accepted for amendments made by other persons.</p> <div>iRem</div>		

NOT TO SCALE

PowerData Technologies iRem Remote Monitor PDU



Body Dimensions:	1U 150mm deep	Input:	3-metre 3x 2.5mmsq lead 16A commando
Fixing Centres:	1075mm	Output:	12x C13
Material:	Extrusion/Mild Steel	Estimated weight:	3.5kg
Finish:	Black Powder coat	Standards:	Manufactured in accordance with BS EN 60950-1
Fixing Method:	End Brackets	WEEE:	Compliant
Protection:	N/A	RoHS:	Compliant
Earthing:	M6 Earth Stud to end	CE:	Compliant
Rating:	16A	Max Op Temperature:	-10° to +50°C

Drawing No. PDT-524-N3B

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iRem

Contact your local distributor for a quotation.