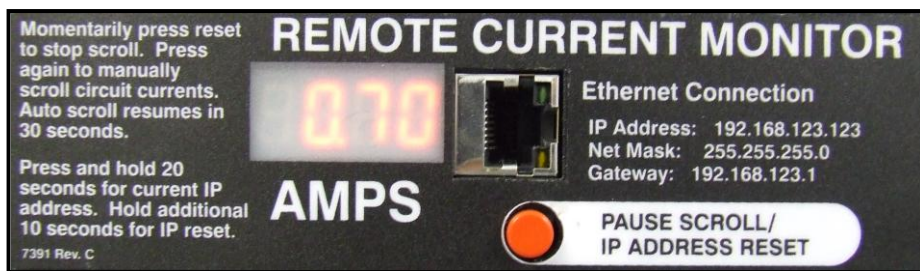


IP Addressable Monitoring

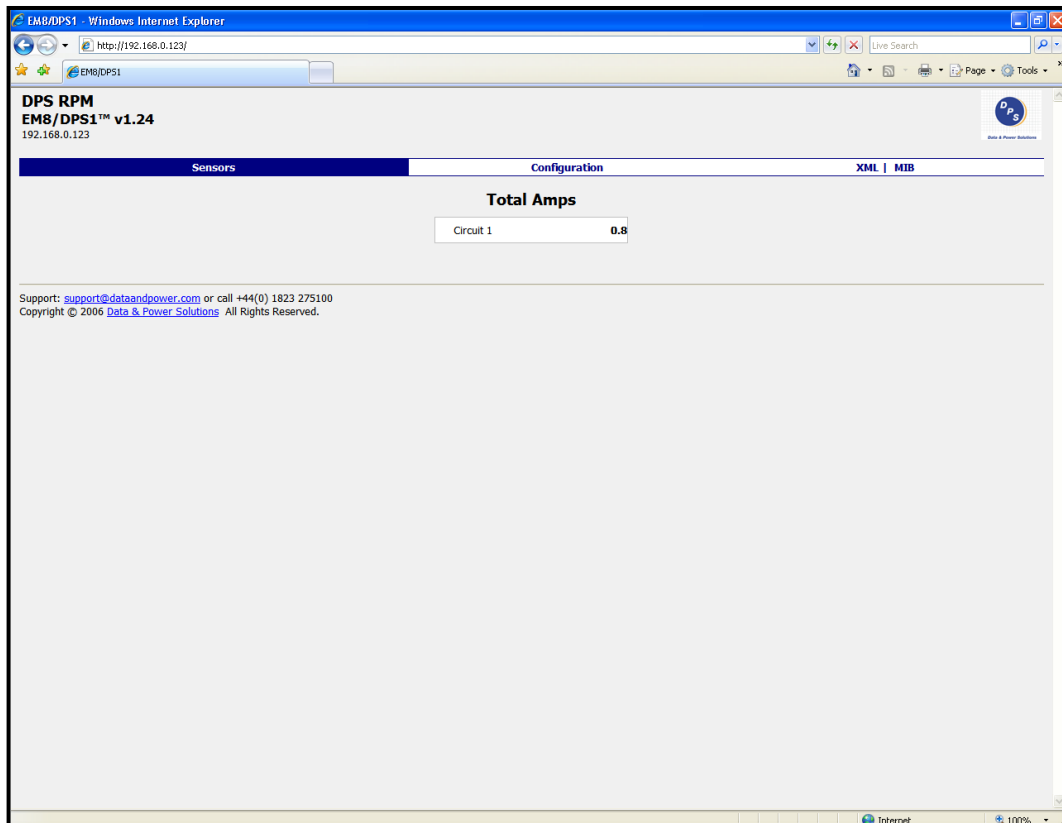
Standard Remote Meter:

The new Remote Current Monitor from DPS provides local and remote monitoring via HTTP, SNMP and XML for embedding in an RSS feed or custom Webpage/Script.

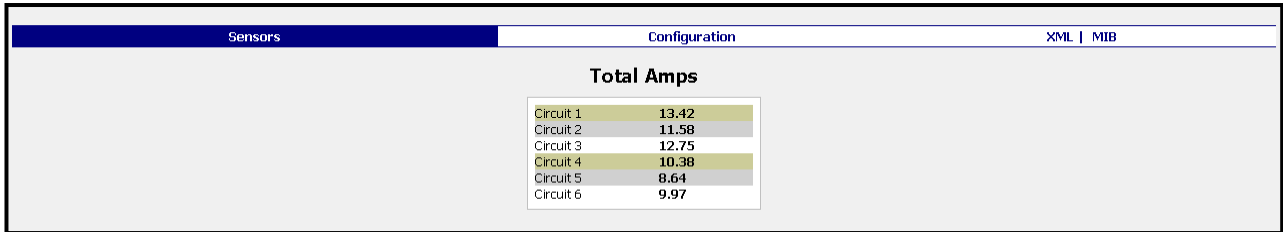
The standard DPS Remote monitor can be configured to monitor up to 8 'Channels'. A channel can be an individual socket or the Live incoming phase. It can be used with almost any existing form of PDU (except 1U horizontal PDU's) rated up to and including 32Amps.



The Remote Monitor comes complete with an inbuilt Web-browser with a pre-configured IP address. All setup instructions are printed on the front of the PDU and it can be custom configured in minutes. Each Circuit has a user configured over-current alarm that will output an SNMP trap and XML data that can read and acted upon by a 3rd party software system such as a BMS (Building Management System) or NMS (Network Management System).



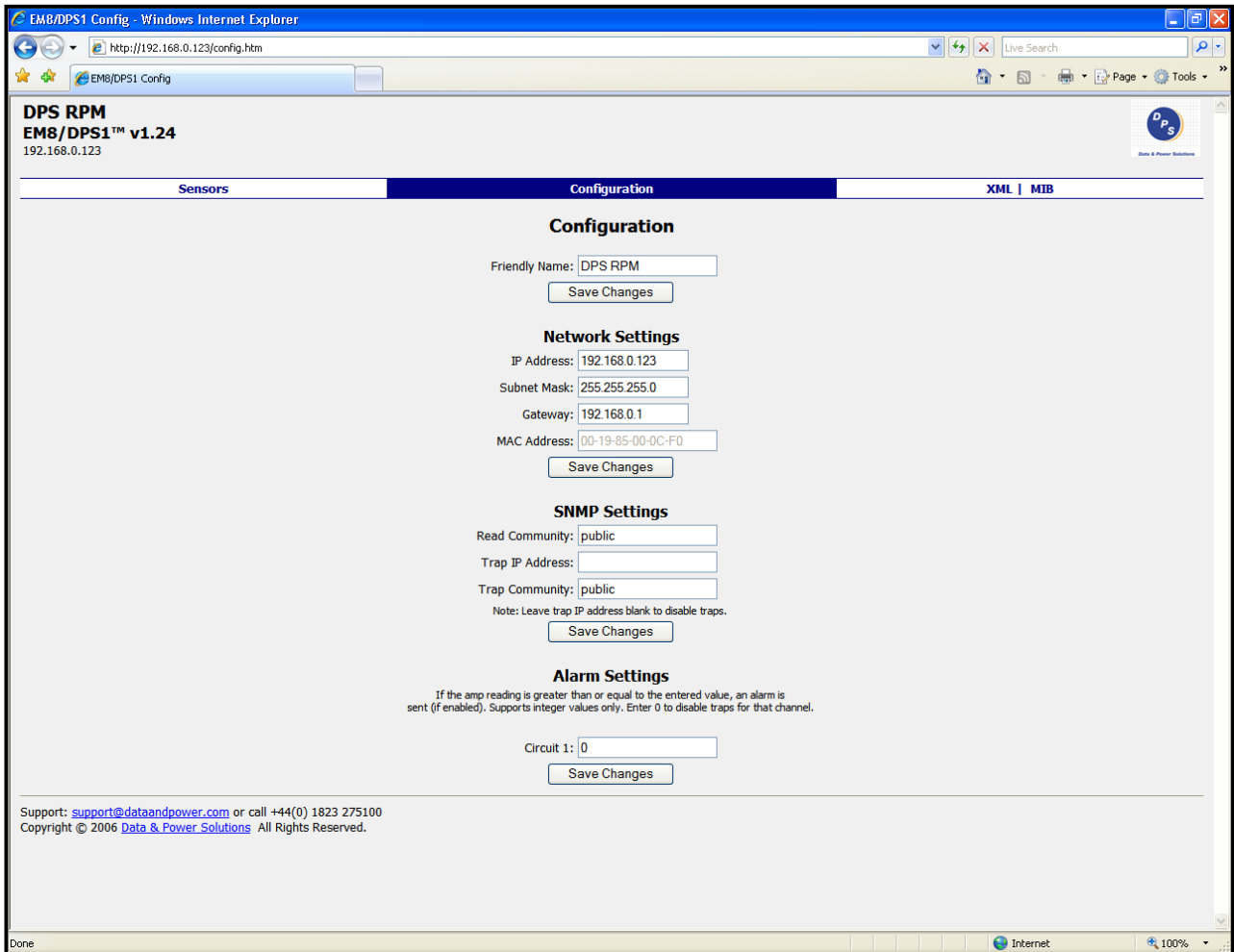
The standard PDU comes equipped with a single current monitor for monitoring of the aggregate Current Load of the PDU. There is the option of taking this number of Current monitors to a total of 30 per PDU for per socket monitoring.



Total Amps	
Circuit 1	13.42
Circuit 2	11.58
Circuit 3	12.75
Circuit 4	10.38
Circuit 5	8.64
Circuit 6	9.97

As with all the DPS range of metered power strips, remote monitored power distribution units can be made to your exact specification with any combination of socket type, in either 19" horizontal rack mount or zero U vertical mount.

Configuration:



DPS RPM
EM8/DPS1™ v1.24
192.168.0.123

Sensors Configuration XML | MIB

Configuration

Friendly Name:

Network Settings

IP Address:
Subnet Mask:
Gateway:
MAC Address:

SNMP Settings

Read Community:
Trap IP Address:
Trap Community:
Note: Leave trap IP address blank to disable traps.

Alarm Settings

If the amp reading is greater than or equal to the entered value, an alarm is sent (if enabled). Supports integer values only. Enter 0 to disable traps for that channel.
Circuit 1:

Support: support@dataandpower.com or call +44(0) 1823 275100
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Configuration of the unit is very straight forward. One page allows the user to configure the PDU's IP address, Subnet and Gateway addresses. SNMP configuration and Alarm settings are also quickly configured through this one page.

The PDU also comes with the SNMP MIB embedded in the unit ready for download in ZIP format and the XML data is also viewable through the inbuilt web page.

Enhanced Remote Meter:

There is the option of customising the Web interface to allow for the HTTP page to mimic the layout of the PDU.

This option is particularly useful for monitoring bespoke power strips such as individual outlet monitoring and 3-Phase PDU's

Example Application:

Three-Phase Monitoring:

The DPS Remote Digital Ammeter can also be configured to monitor bespoke 3-Phase systems. Below is an example of how the unit can be configured not to just monitor each Input phase but also each individual socket. The neutral is also monitored to show how balanced the 3-Phase load is that's being used in the PDU.

The screenshot displays the EM40/DPS18 web interface in Internet Explorer. The page title is "EM40 PDU EM40/DPS18™ v1.40 192.168.0.123". The interface has three tabs: "Sensors", "Configuration", and "XML | MIB". The "Sensors" tab is active, showing a "Total Amps" section and three phase-specific sections: "Phase A", "Phase B", and "Phase C".

Total Amps

Phase A	0.02
Phase B	0.02
Phase C	0.02
Neutral	0.02

Phase A

Outlet Name	Amps	Friendly Name
1 A-1	0.02	Nortel Tel. A
2 A-2	0.02	Mail Server
3 A-3	0.02	Top Fan Tray
4 A-4	0.02	1000Base-T Switch

Phase B

Outlet Name	Amps	Friendly Name
5 B-5	0.02	Nortel Tel. B
6 B-6	0.02	ADSL Modem
7 B-7	0.02	Exchange Server
8 B-8	0.02	Firewall A
9 B-9	0.02	100Base-T Switch
10 B-10	0.02	WIN Server

Phase C

Outlet Name	Amps	Friendly Name
11 C-11	0.02	Firewall B
12 C-12	0.02	Enviro. Sensors
13 C-13	0.02	NAS
14 C-14	0.02	Bottom Fan Tray

Annotations in the image include:

- A box on the left: "Individual incoming current monitoring of each Phase in addition to per-socket monitoring" with arrows pointing to the "Total Amps" and "Phase A" sections.
- A box on the right: "Customise the name of each socket being monitored with 'Friendly Names'" with an arrow pointing to the "Friendly Name" column in the Phase A table.