

PPS

PR Process Supervisor

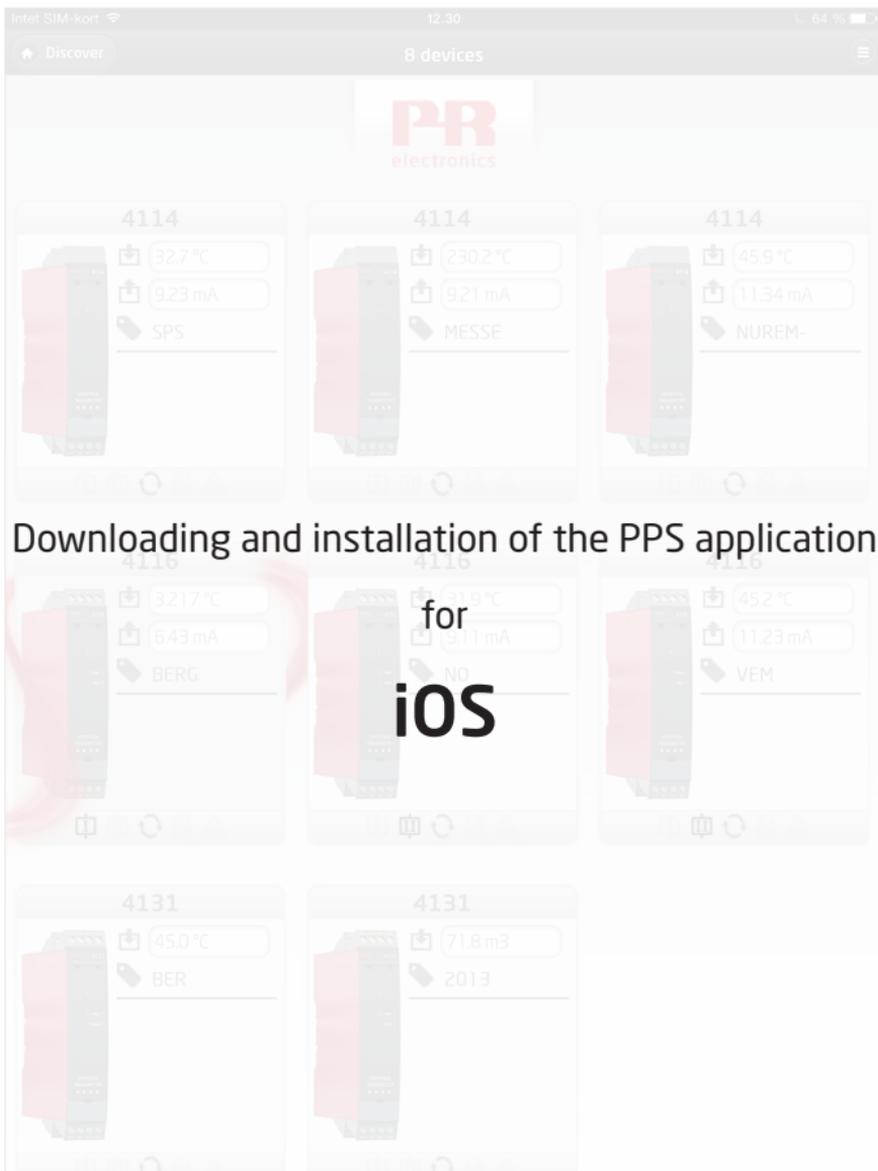
No. PPSV100 - UK

- DK** ▶ PR electronics A/S tilbyder et bredt program af analoge og digitale signalbehandlingsmoduler til industriel automation. Programmet består af Isolatorer, Displays, Ex-barrierer, Temperaturtransmittere, Universaltransmittere mfl. Vi har modulerne, du kan stole på i selv barske miljøer med elektrisk støj, vibrationer og temperaturudsving, og alle produkter opfylder de strengeste internationale standarder. Vores motto »Signals the Best« er indbegrebet af denne filosofi - og din garanti for kvalitet.
- UK** ▶ PR electronics A/S offers a wide range of analogue and digital signal conditioning devices for industrial automation. The product range includes Isolators, Displays, I.S. Interfaces, Temperature Transmitters, and Universal Devices. You can trust our products in the most extreme environments with electrical noise, vibrations and temperature fluctuations, and all products comply with the most exacting international standards. »Signals the Best« is the epitome of our philosophy - and your guarantee for quality.
- FR** ▶ PR electronics A/S offre une large gamme de produits pour le traitement des signaux analogiques et numériques dans tous les domaines industriels. La gamme de produits s'étend des transmetteurs de température aux afficheurs, des isolateurs aux interfaces SI, jusqu'aux modules universels. Vous pouvez compter sur nos produits même dans les conditions d'utilisation sévères, p.ex. bruit électrique, vibrations et fluctuations de température. Tous nos produits sont conformes aux normes internationales les plus strictes. Notre devise »SIGNALS the BEST« c'est notre ligne de conduite - et pour vous l'assurance de la meilleure qualité.
- DE** ▶ PR electronics A/S verfügt über ein breites Produktprogramm an analogen und digitalen Signalverarbeitungsmodulen für die industrielle Automatisierung. Dieses Programm umfasst Displays, Temperaturtransmitter, Ex- und galvanische Signaltrenner, und Universalgeräte. Sie können unsere Geräte auch unter extremen Einsatzbedingungen wie elektrisches Rauschen, Erschütterungen und Temperaturschwingungen vertrauen, und alle Produkte von PR electronics werden in Übereinstimmung mit den strengsten internationalen Normen produziert. »Signals the Best« ist Ihre Garantie für Qualität!

PPS GETTING STARTED MANUAL FOR IOS AND INTERNET EXPLORER / FIREFOX

CONTENTS

Downloading and installation of the PPS application	
for iOS.....	2
for Internet Explorer / Firefox browsers.....	8
Demo functionality for the PPS application.....	13
Connecting to the PPS application in offline mode	15
PPS application	
User functions.....	18
Device view and programming.....	20
Admin control access.....	21
Admin control menu.....	23
List view function.....	25



iOS application - downloading and installation



Go - to App store.



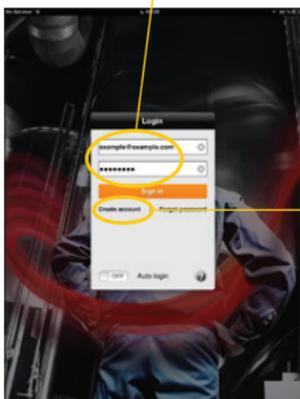
Search - for "PR electronics PPS",
and install the free application.

iOS application - downloading and installation



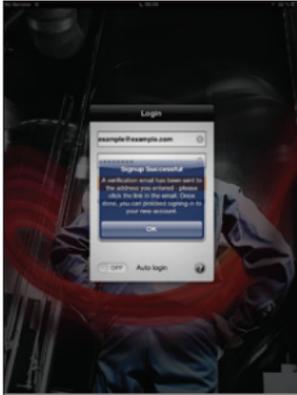
Tap - the new created PPS icon.

Create - an account by typing in your e-mail address and a password.



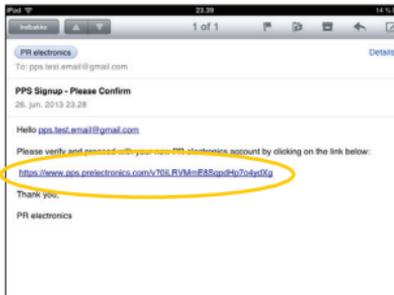
Select - "Create account".

iOS application - downloading and installation



You - will then see the following confirmation popup.

Open - your email program and find the acknowledgement mail. Check your spam folder if you can not find it.



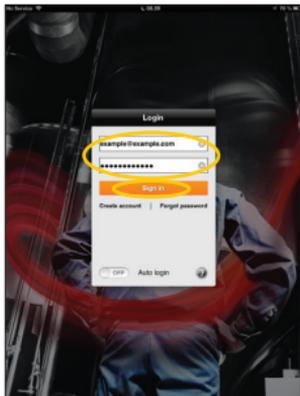
Tap - the confirmation link.

iOS application - downloading and installation



You - will see this verification message in your browser.

Now - open the PPS app again.
Type in your email and password.

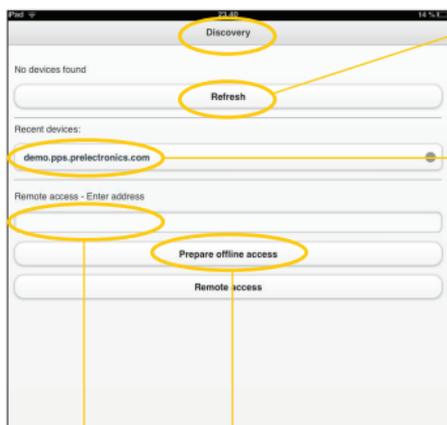


Tap - the "Sign in" button.

Please note - the iOS device must be connected to the internet the first time you sign in because a certificate must be downloaded to the iOS device for each new PPS user.

iOS application - Discovery view

This is the auto discovery function - If your iOS device and model 4801 gateway is on the same LAN (same network ID) the 4801 gateway will appear here after you click the Refresh button.



This is the demo function - Here you can see some of the PPS functions without connecting to a real 4511 & 4801 gateway setup. The only requirement is an internet connection. Check page 13 for further info.

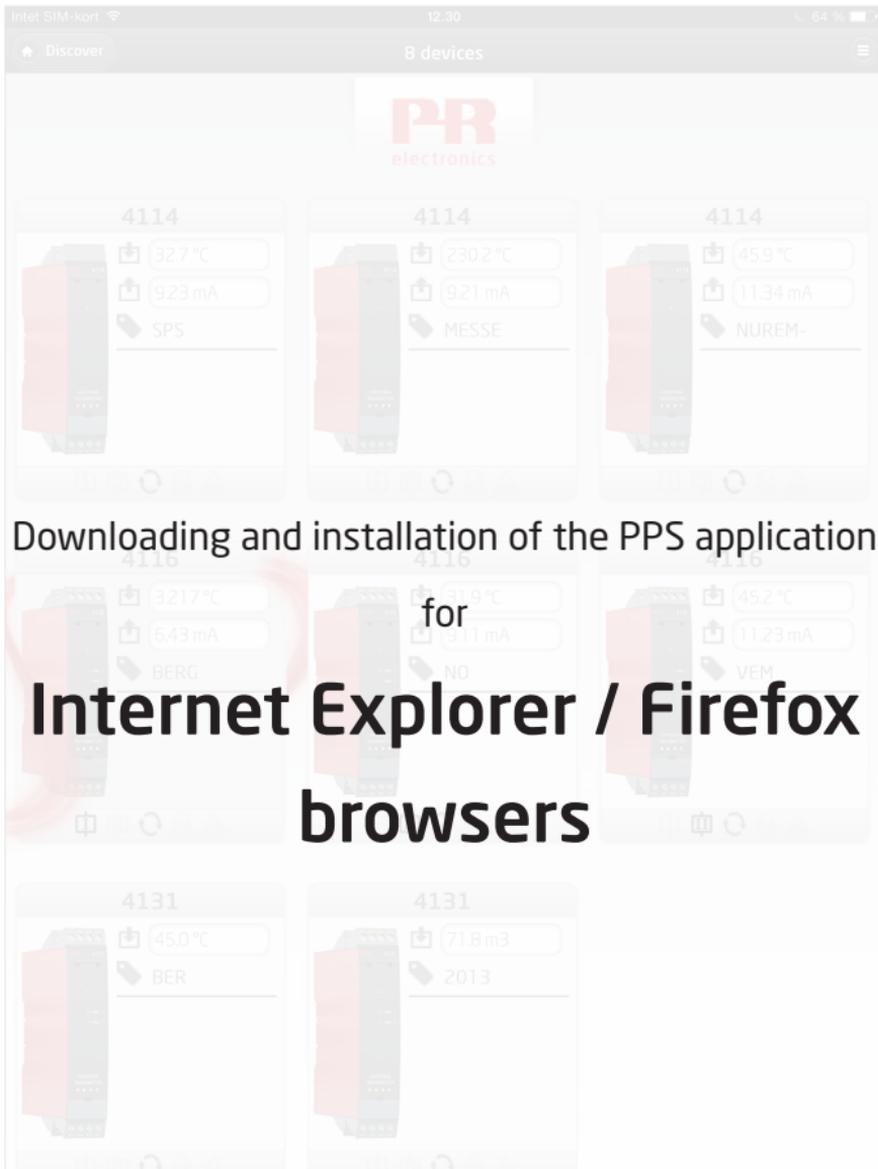
This is for accessing a remote 4801 gateway - that is connected to a network with a different address than the iOS device.

Enter [serial number].pps.prelectronics.com - of the remote 4801 gateway here, then tap the "Remote access" button to access the 4801 gateway via PPS.

However if the 4801 gateway - is connected to a network that does not have internet access (offline) - then enter [serial number].pps.prelectronics.com here, and then tap the "Prepare offline access" button. **Check page 15** - for connecting to a gateway in offline mode.

The 4801 gateway device drivers - will be downloaded from the PPS electronics server to your iOS device, allowing you to communicate with the 4801 gateway via Wi-Fi.

If you are having problems - connecting - check your user rights.



Downloading and installation of the PPS application

for

**Internet Explorer / Firefox
browsers**

Internet Explorer / Firefox browser PPS application - downloading and installation

**Web browser requirements -
for your PC or MAC Computer:**
Internet Explore 9 or newer version
Firefox 22 or newer version.

Please note: Firefox must be used as web browser if you are using a PC running Windows XP.

Connect your Computer - to the internet.
Enter - www.pps.prelectronics.com.

Download and install - a browser plugin for your specific platform.

PR electronics

PR electronics PPS plugin

- 1 Download and install a browser plugin for your specific platform (see below). iOS users can download a dedicated app from App Store.
- 2 Once installed, you may prepare your PPS gateway for remote access - the first time you do this, you must be connected to the same local area network as the device.
- 3 Configuration of remote access requires an account on the central server. [Create account](#)
- 4 When the plugin or app is installed you can use [\[Discover\]](#) for local network discovery and remote access.

This browser is: Windows - Internet Explorer 10.0

[Download Plugin for this Browser >](#)

[Go to Discover >](#)

Need another Firefox or IE version? [All plugin downloads](#)

Notes on offline use

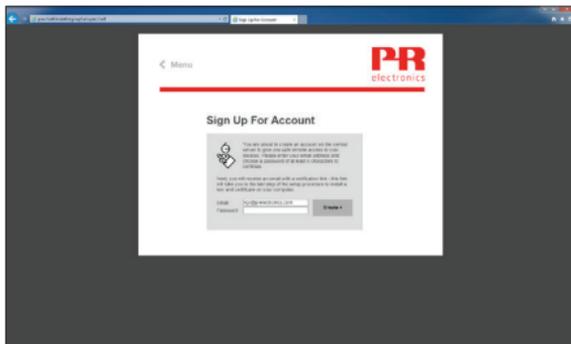
If you need to use the plugin in an office configuration (that is, without internet connection), you must create a local profile first. This happens automatically the first time you access a device (e.g., through discovery as described above) or you can [do it here](#) (after plugin installation).

Configuration for remote access

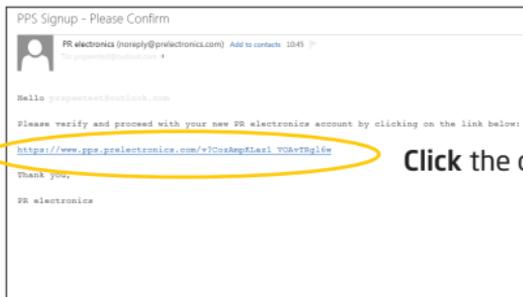
- requires an account on the PR central server - Click "Create Account"

Internet Explorer / Firefox browser PPS application - downloading and installation

Create an account - by typing in
your e-mail address and a password.



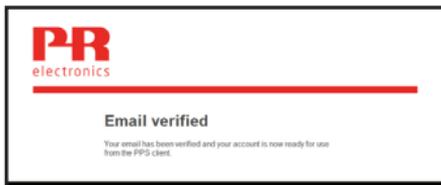
Open your email program - and find the acknowledgement mail.
Check your spam folder if you can not find it.



Click the confirmation link.

Internet Explorer / Firefox browser PPS application - downloading and installation

You will see - this verification message in your browser.



Now - go to www.pps.prelectronics.com.
Click - the button "Go to Discover",
to enter the plugin "pre://self/discover"

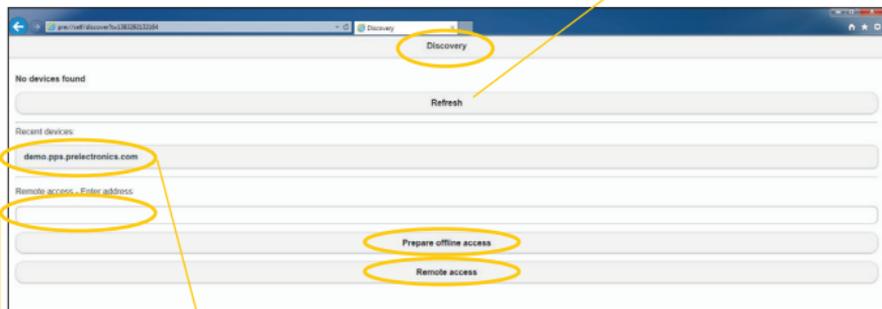


Please note - the Computer must be connected to the internet the first time you sign in, because a certificate must be downloaded to the Computer for each new PPS user.

Internet Explorer / Firefox browser PPS application - downloading and installation

The **Discovery view page** - is now entered.

If your **Computer and 4801 gateway** - is on the same LAN (same network ID) - the 4801 gateway name will appear here.



This is the demo function - Here you can see some of the PPS functions without connecting to a real 4511 & 4801 gateway setup. The only requirement is an internet connection.

This is for accessing a 4801 gateway - that is connected to a network with a different ID than the Computer.

Enter [serial number].pps.prelectronics.com - of the remote 4801 gateway here - then tap the Remote access button to access the 4801 gateway via PPS.

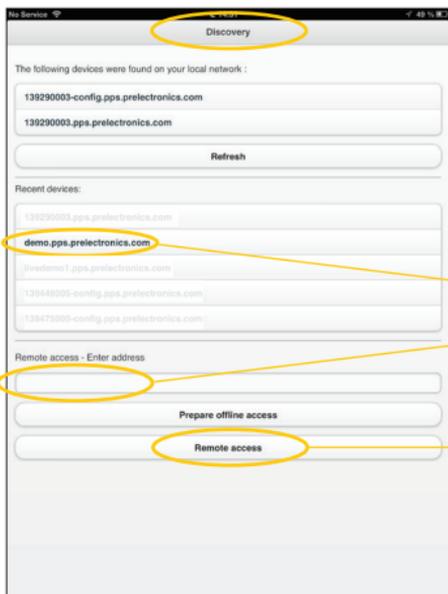
However if the 4801 gateway - is connected to a network that does not have internet access (offline) - then please enter [serial number].pps.prelectronics.com and then tap the "Prepare offline access" button.
Check page 15 - for connecting to a gateway in offline mode.

The 4801 gateway device drivers - will be downloaded from the PR electronics server to your Computer, allowing you to communicate with the 4801 gateway.

If you are having problems - connecting - check your user rights.



Demo functionality - PPS application



Go to the -
Discovery view page

Select or type in “demo.pps.prelectronics.com” (if it is not already in the recent device list) to enter the device demo function.

Press Remote access - to enter demo devices view.



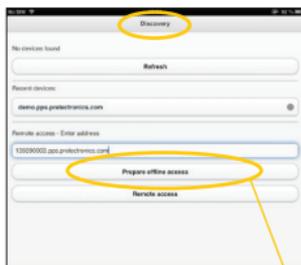
After a few moments - you should see this device screen shot.

Tap any - of the available demo devices and go to the summary view for that device.



Connecting to the PPS application in offline mode

If the **4801 gateway** - is connected to an offline network - meaning a wireless network with no internet access - you have to prepare the PPS and the 4801 gateway for offline access first.

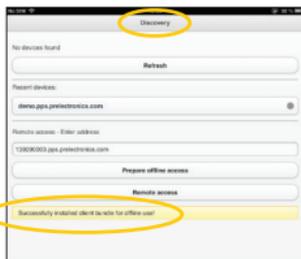


Before preparing for offline access - make sure the Computer or tablet device is connected to the internet.

Open the PPS application - and type in "[serialno].pps.prelectronics.com" of the used 4801 gateway in the "Remote access" field.

Tap - "Prepare offline access".

PPS - will now receive the needed data and drivers from a PR electronics server to allow offline access.



Now go to "Settings - Wi-Fi" - on your Computer or tablet device - and select and connect to the same wireless network that the 4801 gateway is connected to.

Go back to the discovery view page - in the PPS application - and tap the refresh button. You should now find your 4801 gateway listed.

Select the found 4801 gateway - to monitor and configure your system 4000 / 9000 devices via Wi-Fi.

If the PPS hasn't been prepared for offline access, you will get error message:

2000049 - "No Internet Access".

Connecting to the PPS application in offline mode

iOS device
(wireless connection only)



OR



LAN 1 Ethernet cable

Internet



Local network
access point



RJ45 to SUB-D9 cable



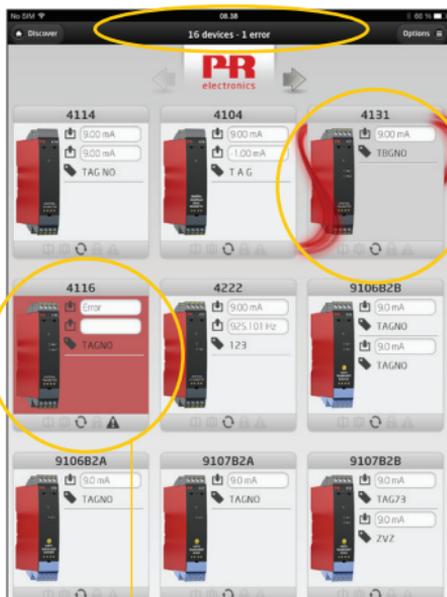
PPS application - User functions

By tapping the 4801 gateway - found in the Discovery view list - you will now see a view of all system 4000 and/or 9000 devices connected on this gateway segment.

Please note:

If no devices appear the first time you access the discover list check the communication settings of your gateway and all 4511 devices. PR recommends a baud rate of at least 57.6k for running the PPS application.

On the top - the PPS application indicates the number of devices connected to the segment.



The red "PR flow" - symbol appears when you tap a specific device. The 4511 backlight on that device will begin flashing to provide a local indication that the device has been selected.

By tapping - the same device again, the screen will display the summary view for that device.



Any devices with an error - have a flashing red background.

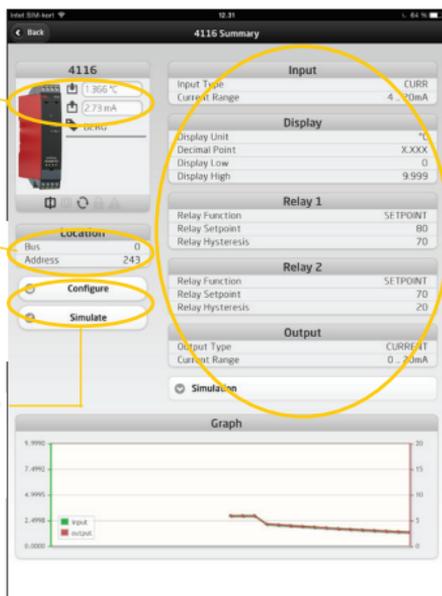
PPS application - Device view and programming

In the summary view - you can view and change most configuration parameters, monitor the process values, and manually control the device I/O.

Device - realtime input and output values.

Specific - BUS segment & node address.
BUS 0 = P1 port
BUS 1 = P2 port

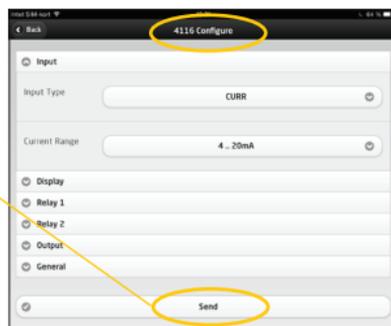
Access - to device Configuration & Simulation functions.



Configuration - overview.

Graph - input/output.

Device - Configuration function page.



Press SEND - configuration button to send the new setup to the specific device.

PPS application - Admin control access

Press **Options** - to enter Admin menu.



Press - "Access Control".

PPS application - Admin control access

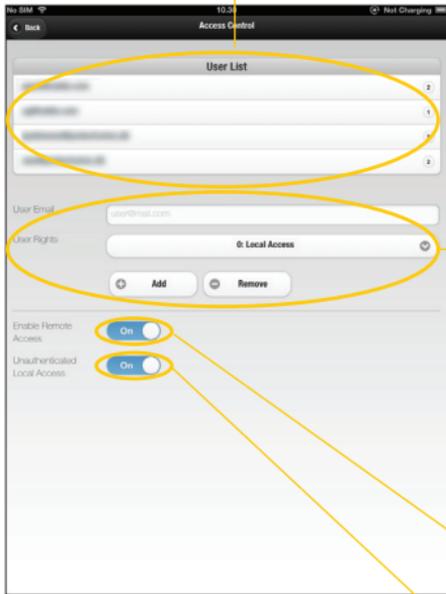
User list - shows you the users that have access to your 4801 gateway, and what level of access they have.

0 = Only local access

1 = Local and remote access

2 = Administrator access

Only administrators have the right to change user access level.



This section - allows the administrator(s) to add new users to the user list by typing in their email address.

An administrator - can select level of access that new users have. A user can also be removed from the user list here.

This button selector - tells the 4801 gateway whether or not remote access is allowed.

This button selector - allows **anyone** connected to the same network to access the 4801 gateway, even if they are not on the user list.

The first user - will automatically be assigned as administrator.

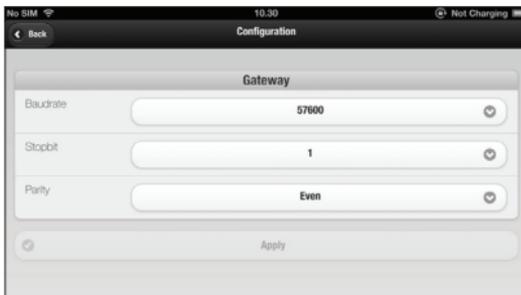
PPS application - Admin control menu

4801 gateway Modbus parameter configuration



Tapping - the "Configuration" button opens the Configuration screen.

This allows you to configure the 4801 gateways serial connection, which needs to match the 4511 configuration.



Please note - by default - the 4801 gateway is configured to a 57.6k baud rate, even parity and 1 stop bit. PR recommends a baud rate of at least 57.6k.

The 4511 units - are needed to be configured to the same baud rate as the 4801 gateway. By default is the 4511 configured to a 19.2k baud rate, even parity and 1 stop bit.

PPS application - Admin control menu

Refresh Front Page -

data are updated from all devices.

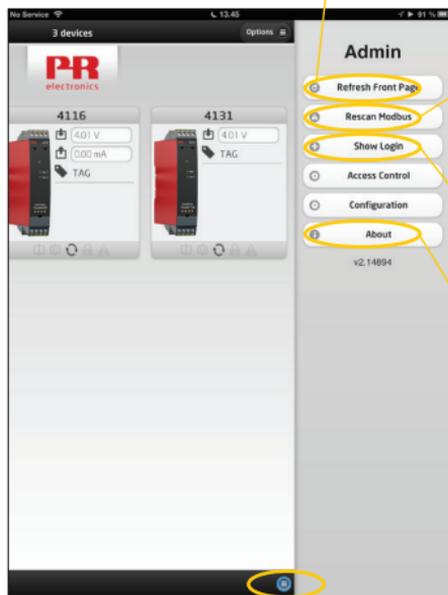
Rescan Modbus - forces the 4801 gateway to make a new search for devices on the Modbus network.

Show login -

Opens the login screen

About -

Opens a new page which shows the "change log" explaining the latest updates for the PPS.



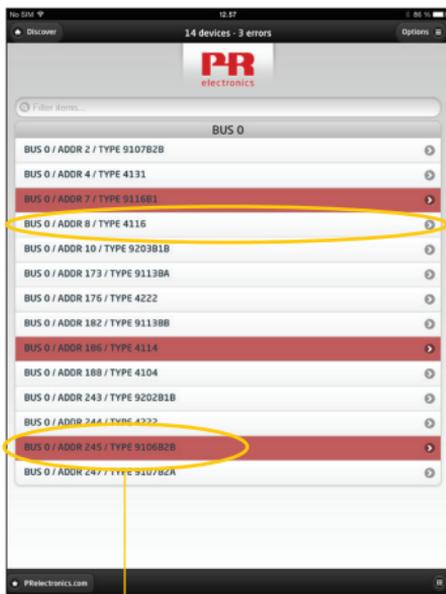
List view option button



PPS application - List view option

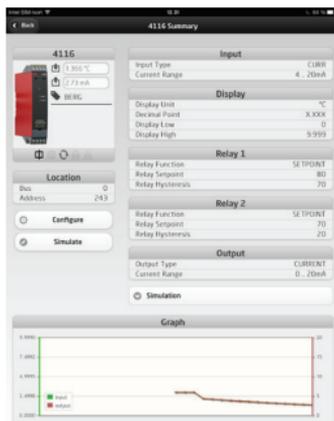
Tapping the "List view" button - opens a list of devices connected to the specific 4801 gateway bus segment.

This allows you - to get an easy to read overview of all the connected devices on the segment. The individual Modbus node address of each device is also shown on this list.



If a device line - is shown in red, this indicates a device or signal error.

Tapping a specific item line - takes you directly to the device programming view, and allows you to easily configure and simulate a device.





Displays Programmable displays with a wide selection of inputs and outputs for display of temperature, volume and weight, etc. Feature linearisation, scaling, and difference measurement functions for programming via PReset software.



Ex interfaces Interfaces for analogue and digital signals as well as HART® signals between sensors / I/P converters / frequency signals and control systems in Ex zone 0, 1 & 2 and for some devices in zone 20, 21 & 22.



Isolation Galvanic isolators for analogue and digital signals as well as HART® signals. A wide product range with both loop-powered and universal isolators featuring linearisation, inversion, and scaling of output signals.



Temperature A wide selection of transmitters for DIN form B mounting and DIN rail devices with analogue and digital bus communication ranging from application-specific to universal transmitters.



Multifunctional PC or front programmable devices with universal options for input, output and supply. This range offers a number of advanced features such as process calibration, linearisation and auto-diagnosis.





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QUALITY SYSTEM AND ENVIRONMENTAL MANAGEMENT SYSTEM
DS/EN ISO 9001
DS/EN ISO 14001

