



LocalView

MS Windows®

EN

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Should the user find any manifest or hidden errors, they must be notified to SOCOMEC in writing.

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This licence does not grant the right to receive software updates, or new versions.

1.6 LIMITATIONS OF LIABILITY

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1.8 AMENDMENTS TO THE LICENCE

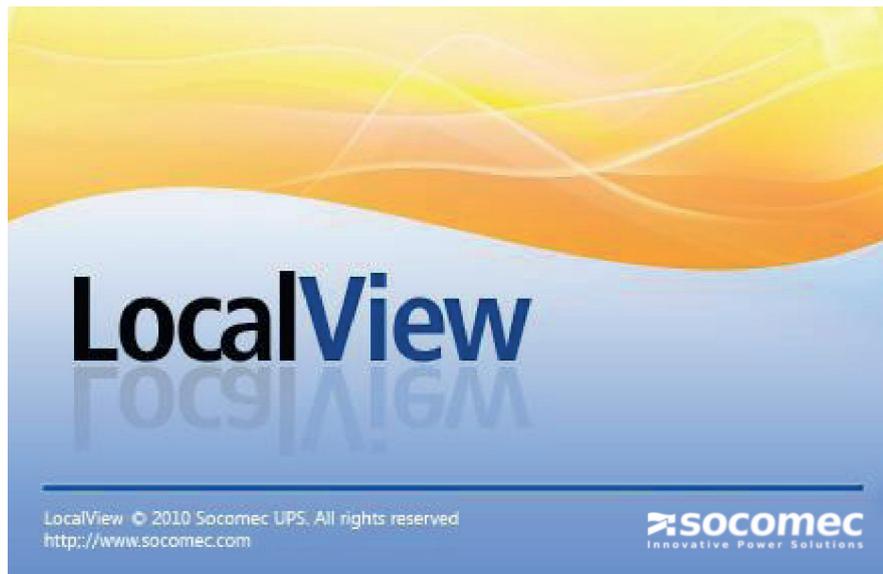
Any amendment to this licence must be made in writing.

1.9 APPLICABLE LAW

This contract is subject to French law.

The information contained herein, the software and documentation, are the exclusive property of SOCOMECC.

2. SUMMARY



2.1 UPS MONITORING

- Simple user interface
 - UPS status
 - Battery status and measurements
 - Load status and measurements
- Expert level access for:
 - UPS events history log
 - Measurements history log
 - Configuration
 - Email notification
 - Shutdown procedure
 - Miscellaneous (language, serial port, log filter)

2.2 ALERT NOTIFICATION VIA EMAIL

- Simple user interface
- Multiple recipients

2.3 AUTOMATIC SHUTDOWN PROCEDURE

- Event selection
- Batch and shutdown timing

2.4 UPS COMMUNICATION WITH THE PC

- RS232
- USB
- Ethernet

3. INSTALLATION PROCEDURE



Before installation it is advisable to check your MS Windows® version, HW compatibility, and operating system is updated if necessary.

3.1 PC HW COMPATIBILITY

LocalView is compatible with 32 and 64 bit μ Processors architecture.

The connection with the UPS requires a serial port: real RS232 com port or via USB converter or Ethernet connection.

3.2 WINDOWS VERSION

It is advisable to install the latest packages and patches for the MS Windows® version used.

Please refer to Socomec web site for MS Windows® compatibility version and last release of Local View Software.

3.3 USER ACCOUNT AND ADMIN RIGHTS

It is necessary to install the software with Administrator account or user account with Admin rights.

If the UAC service is enabled, a warning popup is displayed during installation or update.

If Expert program is running under a user session without Admin rights, it is not possible to change parameters or settings. LocalView service will run with current settings.

3.4 .NET COMPATIBILITY VERSION

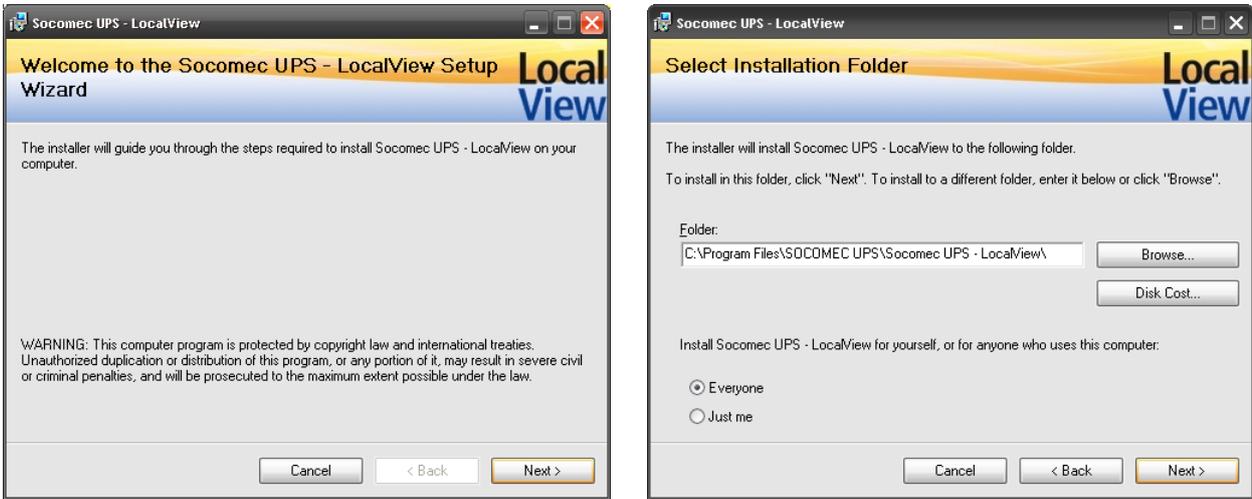
LocalView requires .net 4 package or above (Microsoft .Net Framework 4.0 Client Profile is automatically installed during Setup procedure, if not present on the machine).

3.5 RUNNING SETUP.EXE

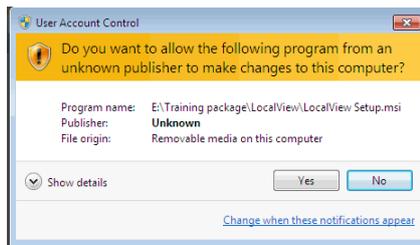
The installation program is split into 2 packages: x86 for 32b μ P and x64 for 64b μ P. Each package includes:

- msi package
- setup program

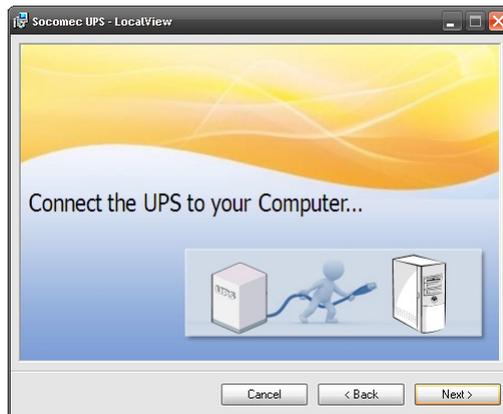
Execute setup.exe to install the software on your computer:



It is necessary to confirm the installation process when UAC service is enabled:



3.6 CONNECTING THE UPS TO THE PC VIA USB CABLE



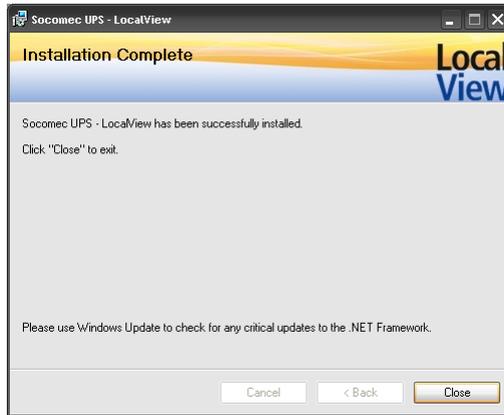
The setup program requests connection to the UPS before completing the installation.

If the connection is not made at this step, the communication port settings have to be implemented manually, or via the upgrade / repair process.

At the end of installation, LocalView automatically detects and commences communication with the UPS.



Communication with the UPS starts with a delay of several seconds. It is possible for the graphical user interface to be empty during this delay.



LocalView detects the MS Windows® language automatically, and sets the user interface with the current language. If the MS Windows® language is not automatically recognised, the user interface switches to English.

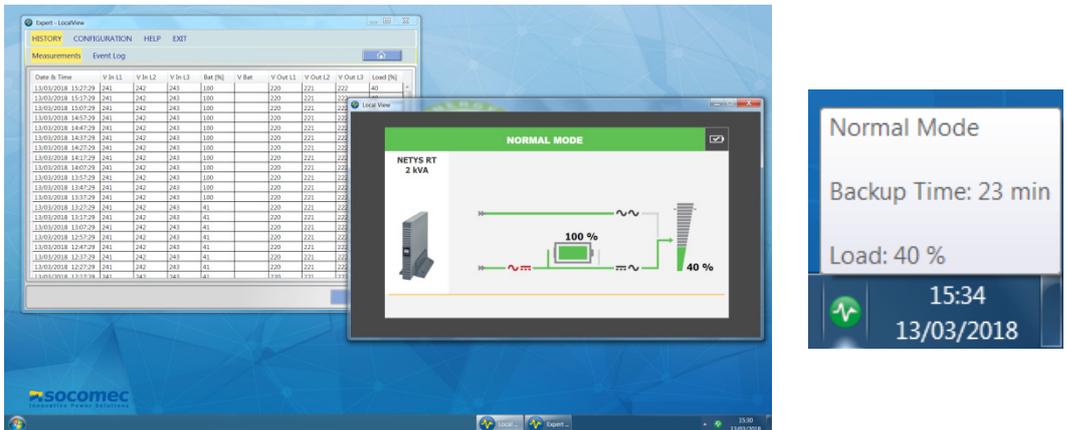
4. RUNNING LOCAL VIEW

LocalView service manages:

- Communication with the UPS
- Automatic shutdown procedure
- Email notification
- Measurements and Events log

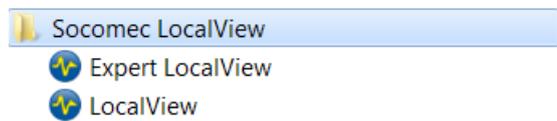
LocalView has 2 user interfaces:

- Simple graphical user interface: with status notification via balloons in the Systray area.
- Expert user interface: for configuring and accessing the history log.



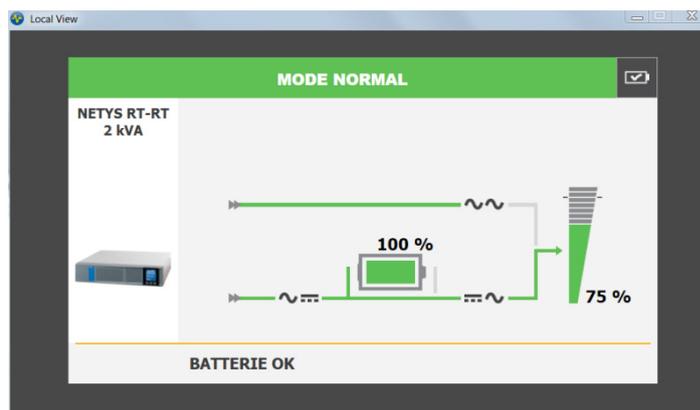
4.1 STARTING THE APPLICATION

Select Windows menu, and click on:



Select  LocalView to open the user interface:

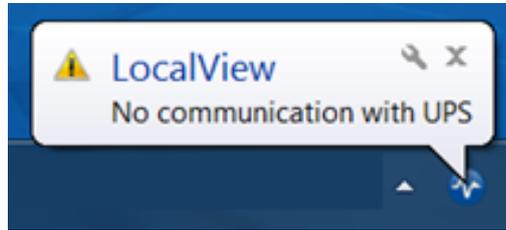
The graphical user interface opens, and the LocalView icon  is added to the Systray area.



5. OVERVIEW

5.1 SERVICE AND UPS STATUS

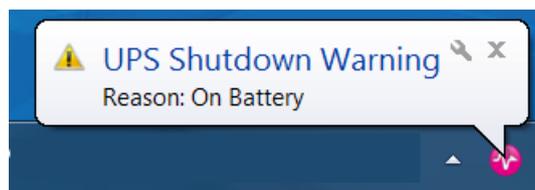
When LocalView is running, an icon is present in Systray area. Icon colour defines the service and UPS status, for example:



Status	Icon	Balloon message
Service stopped		Service Stopped
No communication with UPS		No communication with UPS
Shutdown procedure in progress		Shutdown procedure in progress
IMMINENT STOP / UPS OFF		UPS Off or Imminent Stop
ON BYPASS /ALARM PRESENT		Alarm Present or On Bypass
NORMAL MODE / eco mode		Normal Mode
Rollup message	<div style="border: 1px solid black; padding: 2px;"> Normal Mode Backup Time: 10 min Load: 90 % </div>	UPS Status Backup time: xx mn Load: xx %

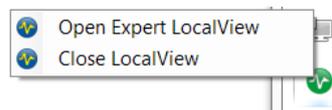
5.2 EVENT NOTIFICATION

Balloon notification will appear when the UPS status is changing and during the shutdown procedure.



5.3 CONTEXT MENU

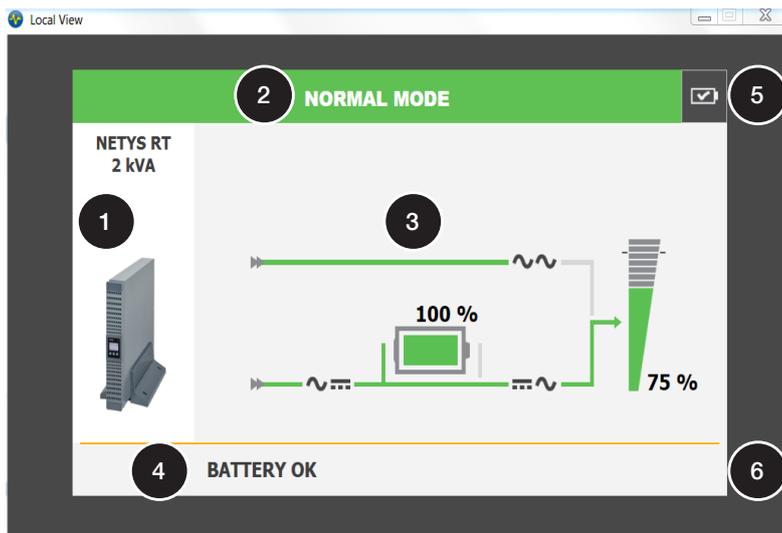
Right click on the icon to open the context menu:



Close LocalView means that the service continues to run, with the email, shutdown and log process remaining active. However, notifications are no longer displayed on the screen and no longer on the Systray bar.

To restart the LocalView interface select LocalView from the <START> menu.

5.4 USER INTERFACE



- 1 UPS REFERENCE
- 2 UPS STATUS
- 3 SYNOPTIC ANIMATION
- 4 STATUS AND ALARMS MESSAGE
- 5 BATTERY TEST CONTROL
- 6 ALARM ACKNOWLEDGEMENT CONTROL

5.5 UPS REFERENCE

Name and picture of the UPS connected to the PC.

LIST OF UPS SYSTEMS
NETYS PE
NETYS PL
NETYS PR
ITYS
OFYS RT
NETYS RT
ITYS – PRO
MASTERYYS
MODULYS GP RM
MODULYS XS

Note: the UPS picture is given, as example and may differ from the actual UPS connected to the PC.

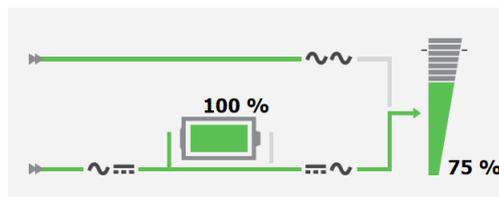
5.6 UPS STATUS

Status	Type of info	Reason
IMMINENT STOP	Alarm	The UPS output will be switched OFF due to a critical alarm ⁽¹⁾
ON BATTERY	Alarm	AC failure
eco mode	Status	PC powered by the mains, and Inverter automatically switched on when AC failed
ON BYPASS	Status	PC powered by mains ⁽¹⁾
NORMAL MODE	Status	PC protected by UPS ⁽¹⁾
STANDBY MODE	Status	PC not powered, and awaiting reactivation
OFF	Status	PC not supplied ⁽¹⁾

1. Not available for Netys PE and Netys PL

5.7 SYNOPTIC ANIMATION

The synoptic gives graphical status of the inputs supply, rectifier, battery, inverter, bypass and load.



Flow animation:

- In green: power present in normal condition.
- In yellow: power present in abnormal conditions (on battery or on bypass).
- In grey: power not present.

Rectifier:

- Yellow if a preventive alarm is present.
- Red if a critical alarm is present.

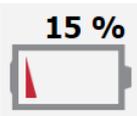
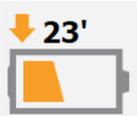
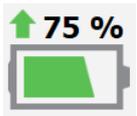
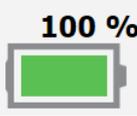
Inverter:

- Yellow if a preventive alarm is present.
- Red if a critical alarm is present.

Bypass:

- Yellow if a preventive alarm is present.
- Red if a critical alarm is present.

Battery animation:

Symbol	Status	Value
	Battery not connected ⁽¹⁾	
	BATTERY LOW BATTERY DISCHARGED ⁽¹⁾	Bellow 16% the tank is red
	BATTERY DISCHARGING	Bellow 40 % the tank is yellow The remaining backup time is displayed in place of battery capacity
	BATTERY CHARGING ⁽¹⁾	Above 41 % the tank is green
	BATTERY CHARGED ⁽¹⁾	The level represents the % capacity.
	BATTERY ALARM	The UPS has determined a faulty battery
	BATTERY TEST FAILED	Result after battery test

1. Not available for Netys PE and Netys PL.

LOAD ANIMATION

Symbol	Status	Value
Not present	If no load on the UPS output	Output load rate = 0 %
Green 	Load is supply.	Up to 90 %
Yellow 	Load is supply in overload	Up to 110 %
Red 	Load is supply in critical overload	Over 110 %

5.8 STATUS AND ALARMS MESSAGE

BATTERY STATUS
BATTERY OK ⁽¹⁾
BATTERY ALARM
BATTERY TEST ALARM ⁽¹⁾
BATTERY TEST IN PROGRESS

1. Not available for Netys PE and Netys PL.

LIST OF ALARMS
END BACKUP TIME
BATTERY ALARM
GENERAL ALARM
OVER TEMPERATURE ⁽¹⁾
OVERLOAD ⁽¹⁾

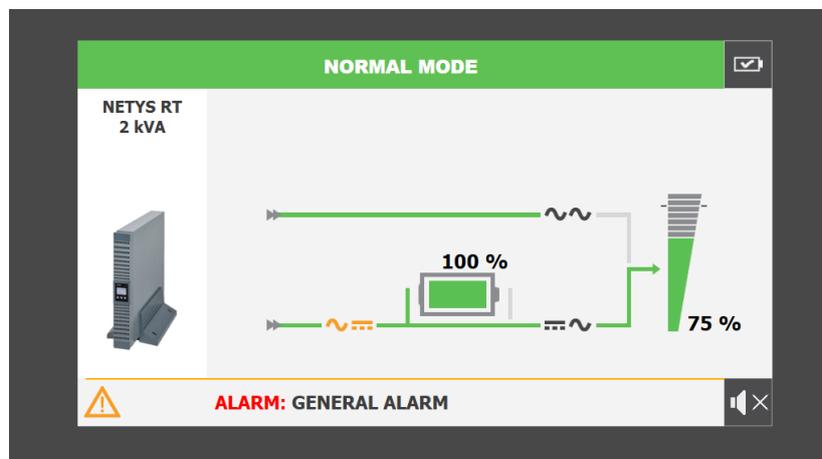
1. Not available for Netys PE and Netys PL.

5.9 BATTERY TEST

LocalView can test the battery. If the button isn't available battery testing is not possible or has been disabled by the UPS. Battery test status and results are displayed on the ALARM bar.

5.10 ACK BUTTON

When a new alarm occurs the buzzer sounds on the UPS. Selecting  sends a command to stop the buzzer. Example of the User Interface with a general UPS alarm:

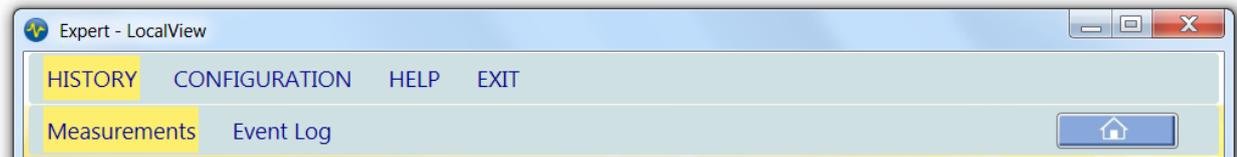


The presence of  signals the presence of alarms

6. EXPERT

6.1 MENU NAVIGATION

HISTORY



- Accesses the measurements history
- Accesses the event log (Status and Alarms)

CONFIGURATION



- SMTP and Email configuration
- PC Shutdown configuration
- Language selection
- Log filter and sample settings
- UPS communication port settings
- Automatic update settings

HELP



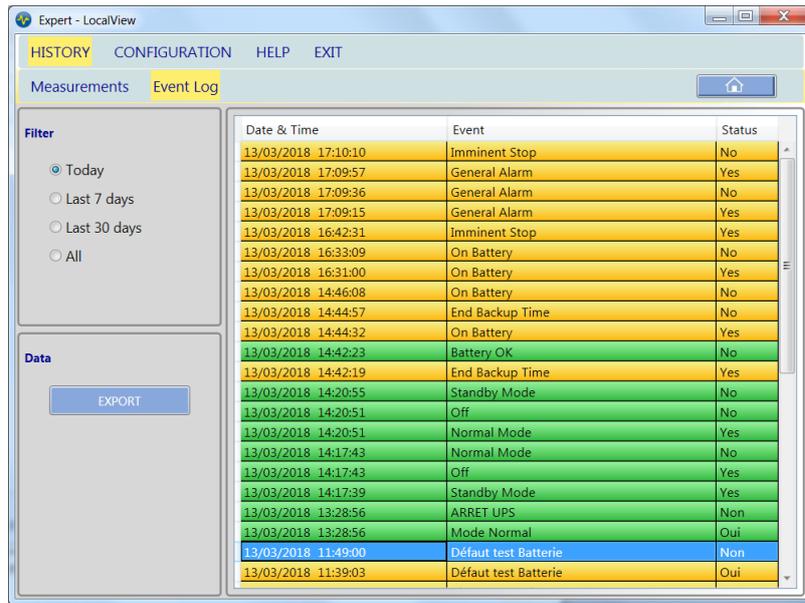
- Accesses the user manual (this document)
- Sends us feedback, suggestions for improvements or questions about LocalView
- Displays the current version running on your PC.



closes the sub menu.

6.2 EVENT LOG

LocalView creates a history log with the most important statuses and alarms. Each new event is dated and stored in a file.



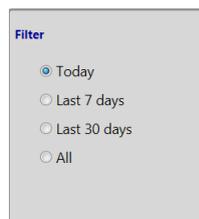
6.2.1 LIST OF EVENTS STORED

STATUS	TYPE
Imminent Stop	ALARM
On Battery	ALARM
End Backup Time	ALARM
Battery Alarm	ALARM
General Alarm	ALARM
Over Temperature	ALARM
Overload	ALARM
Battery Test Alarm	ALARM
Battery Test In Progress	STATUS
Battery OK	STATUS
eco mode	STATUS
Bypass Mode	STATUS
Normal Mode	STATUS
Standby Mode	STATUS
Off	STATUS

Note: not all events are available for NETYS PE and NETYS PL.

6.2.2 EVENTS FILTERING

It is possible to select different event periods, such as :



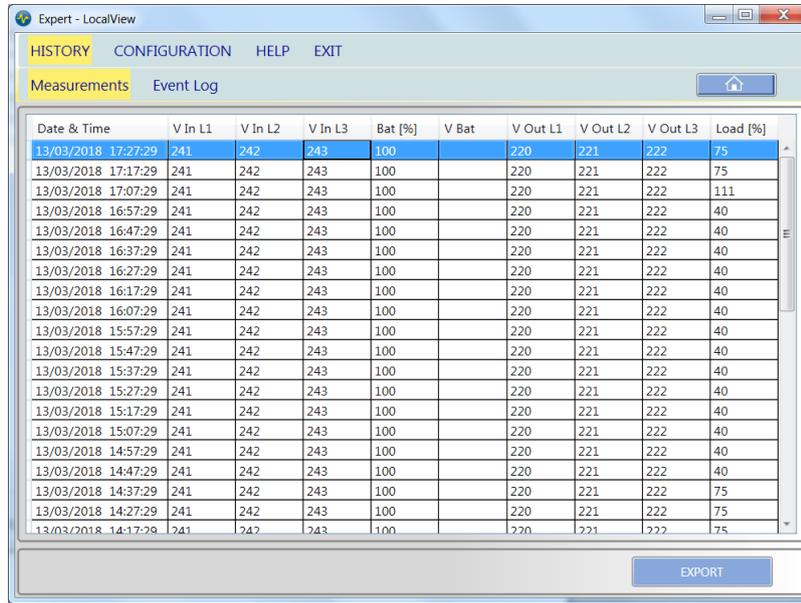
Last 7 days shows events recorded for the last seven days.

All disables the current filter.

6.2.3 EXPORT

This option saves the entire event log in CSV format to the local disk. It is possible to open this file in Excel for diagnostic purposes if required. It can also be used as backup. The recommended default file name is: EventsLog_ddMMyy_HHmm.csv, where dd = day; MM = month; yy = year, HH = hour (24h format); mm = minutes.

6.3 MEASUREMENTS HISTORY



6.3.1 LIST OF MEASUREMENTS STORED:

Measurements	Format	Units
UPS Load Rate	0 – 150	%
Output voltage	L1 for phase 1 L2 and L3 for 3 UPS phases	Volts (V)
Battery capacity	0 – 100	%
Battery voltage	number	Volts (V)
Input voltage	L1 for phase 1 L2 and L3 for 3 UPS phases	Volts (V)

The number of samples depends on logging details (set in configuration page) Default setting: Records by WEEK, 10 minute sampling.

The oldest record is replaced with the newest (FIFO). Maximum no. of records allowed: ~ 1500.

6.3.2 EXPORT

This option saves the entire measurements history in CSV format to the local disk. It is possible to open this file in Excel for diagnostic purposes if required. It can also be used as backup.

The recommended default file name is: MeasLog_ddMMyy_HHmm.csv, where dd = day; MM = month; yy = year, HH = hour (24h format); mm = minutes.

6.4 EMAIL CONFIGURATION

LocalView can send notification according to different events. It is possible to select events, level of criticality and up to 8 recipients. This process is managed by the service. It is not necessary to have the User Interface open.

The screenshot shows the 'Expert - LocalView' configuration window. It has a menu bar with 'HISTORY', 'CONFIGURATION', 'HELP', and 'EXIT'. Below the menu bar are three tabs: 'E-Mail', 'Shutdown', and 'Miscellaneous'. The 'E-Mail' tab is selected. The window is divided into three main sections:

- SMTP Server Configuration:** Includes fields for 'Server' (000.000.000.000), 'Port' (25), 'Sender Mail Address', 'Authentication' (checkbox), 'SSL/TLS enable' (checkbox), 'Account', and 'Password'.
- Events:** A table with columns 'Enabled', 'Event', and 'Criticality level'. It lists several events with checkboxes in the 'Enabled' column and 'Info' in the 'Criticality level' column.
- Receivers:** Includes fields for 'Delay (min):' (0) and 'Interval (h):' (0), a 'Send Test Email' button, and a table with columns 'Receiver Address', 'Description', and 'Minimum Alarm Criticality'.

At the bottom of the window are 'SAVE' and 'CANCEL' buttons.

Enabled	Event	Criticality level
<input type="checkbox"/>	On Battery	Info
<input type="checkbox"/>	Overload	Info
<input type="checkbox"/>	Over Temperature	Info
<input type="checkbox"/>	General Alarm	Info
<input type="checkbox"/>	Battery Alarm	Info
<input type="checkbox"/>	Battery Discharged	Info
<input type="checkbox"/>	Imminent Stop	Info
<input type="checkbox"/>	On Bypass	Info

Receiver Address	Description	Minimum Alarm Criticality
		Info

6.4.1 SMTP CONFIG

Defines mail server network configuration

- In the case of a company mail server
- In the case of external providers' mail server
- Sender address
- Account configuration
- TLS/SSL enabled or disabled

6.4.2 EVENTS

Click inside the box to enable the event that will send an email.

6.4.3 RECEIVER

The recipient address format is: name@domain

The description field is only for information, it is not included in the email body.

Level of criticality:

Info = All enabled events

Warning = Warning + Critical events

Critical = only Critical events

6.4.4 SEND A TEST EMAIL

Sends a test email to check the mail server configuration (SMTP).

6.4.5 SAVING OR CANCELLING THE SETTINGS

stores the e-mail settings
 keeps the current e-mail settings
It is necessary to save the settings to make them active.

6.4.6 ALARM CRITICALITY MANAGEMENT

The different levels are:

- Info
- Warning
- Critical

The recipient will only receive an email event from the minimum level for example:

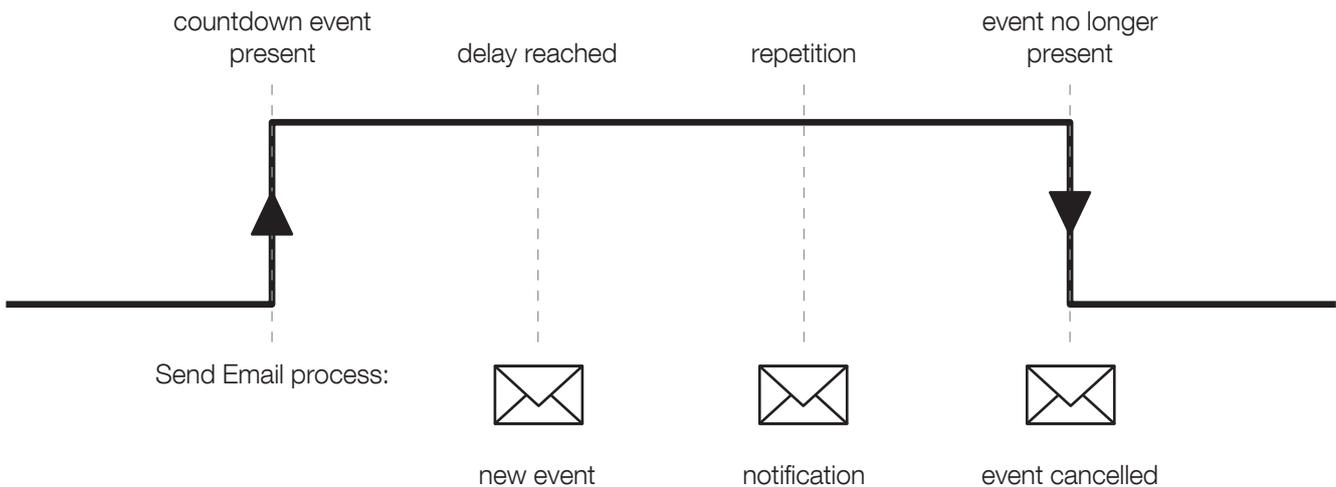
- Critical = Only Critical level
- Warning = Critical + Warning levels
- Info = Info + Warning + Critical levels

6.4.7 DELAY MANAGEMENT

Delays and repetitions are set to 0 by default. If events occur emails are sent immediately without repetitions.

LocalView sends notification after a delay, which is set in hours. If the event is still present email notification is sent at the end of the period.

GENERAL CASE:



6.4.8 EMAIL FORMAT

eMail subject:

- UPS New Events.
- UPS Events Cancelled.
- UPS Events Notification.

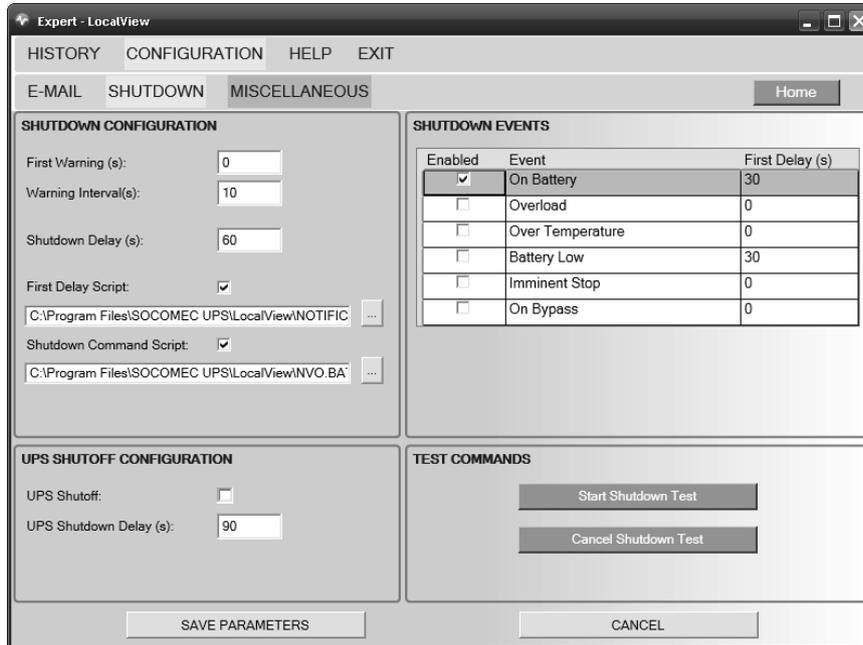
Email message:

- New Events.
- Events Cancelled.
- Events Active.

6.5 SHUTDOWN CONFIGURATION

LocalView can shut the PC down. It is possible to select events, delays and the MS Windows® shutdown command. This process is managed by the service. It is not necessary to have the User Interface open.

If a script or batch file is present, it should be executed before shutdown. It must be created before setting the shutdown parameters.

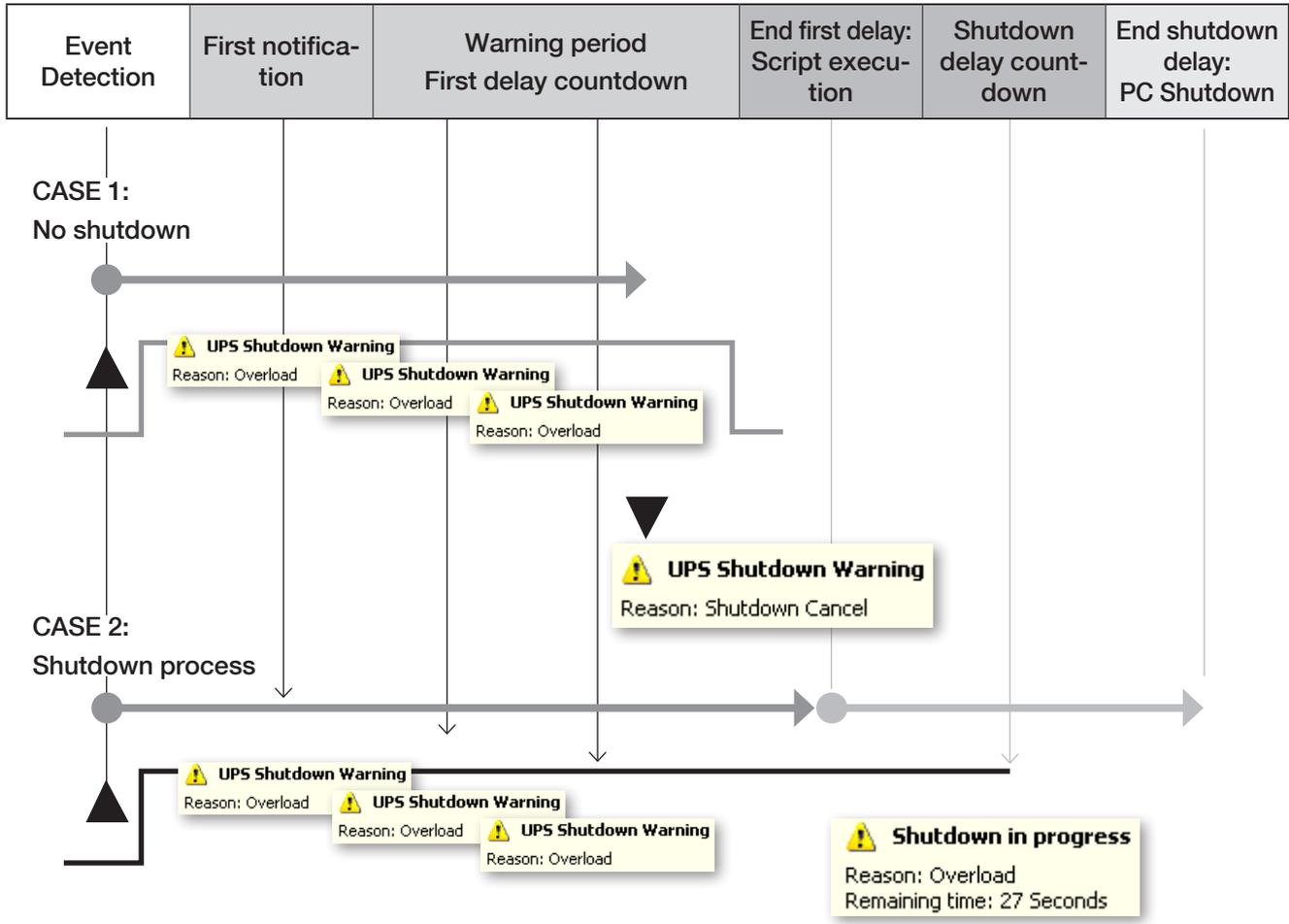


6.5.1 SHUTDOWN EVENTS SELECTION

This table illustrates the PC shutdown and timing procedure.

Events	First warning delay	Warning interval	Delay before executing the script	Delay before OS shutdown
On battery / AC failure	Value in seconds. It should be ≤ First Delay (s)	Value in seconds. It should be ≤ First Delay (s)	First delay	Shutdown delay
Battery discharged			0 = Immediate Range from 1' to 60'	
Over temperature				
Overload				
On bypass				
Imminent stop				

6.5.2 SHUTDOWN TIMING



6.5.3 SCRIPT SETTINGS

First Delay Script:

Click on the box to activate this function.
 Select the script/batch file to be executed via the file explorer.

6.5.4 SHUTDOWN COMMAND

Shutdown Command Script:

Click on the box to enable MS Windows® shutdown.
 Select the script/batch file to be executed via the file explorer.
 Standard MS Windows® command: shutdown -s -t 00 See shutdown /? command for more info.

6.5.5 UPS SHUTOFF

LocalView sends a delayed UPS shutoff command when the PC starts to shut down, and only in the event of a battery alarm. The UPS shuts off when the countdown is completed. This function isn't available for all UPSs (Refer to your UPS manual).

Note: Netys PE and Netys PL only manage minutes for shutdown. Consider the following table for seconds to minutes conversion.

Shutoff delays (s) range	Minutes
$0 \leq \text{shutoff delay} < 90$	1
$90 \leq \text{shutoff delay} < 150$	2
$150 \leq \text{shutoff delay} < 210$	3
$210 \leq \text{shutoff delay} < 270$	4
$270 \leq \text{shutoff delay} < 330$	5
$330 \leq \text{shutoff delay} < 390$	6
$390 \leq \text{shutoff delay} < 450$	7
$450 \leq \text{shutoff delay} < 510$	8
shutoff delay > 510	9

6.5.6 TEST SHUTDOWN PROCEDURE

LocalView checks the procedure and timing via AC Failure/ On battery status simulation. It is possible to cancel this procedure during the shutdown countdown.

The UPS shutoff will not be executed in this case for safety reasons.

6.5.7 USER NOTIFICATION

Balloon indicates the status and remaining backup time during the shutdown countdown:

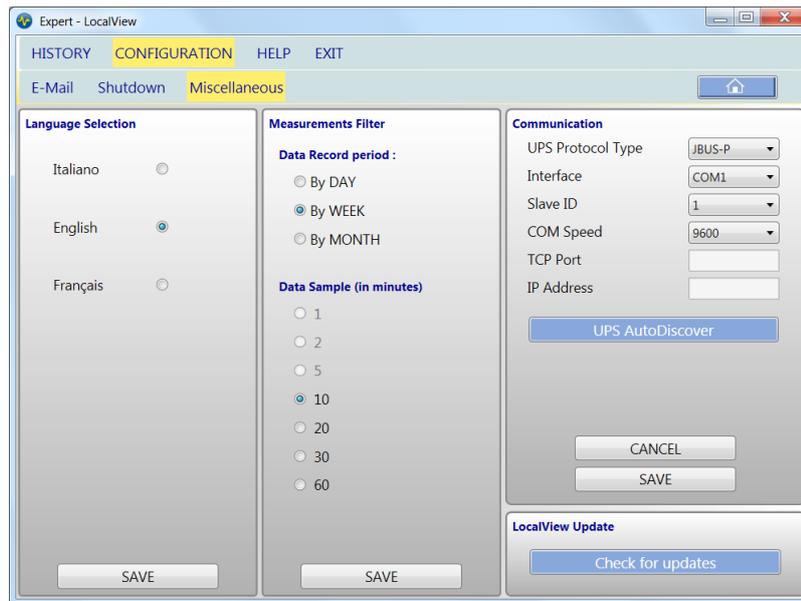
- UPS Shutdown Warning
- Shutdown in progress
- UPS Shutdown Cancelled
- Shutdown Cancelled Reason:
- Remaining time: (in minutes)

6.5.8 SAVING OF CANCEL THE SETTINGS

<input type="button" value="SAVE"/>	stores the shutdown settings
<input type="button" value="CANCEL"/>	keeps the current shutdown settings

It is necessary to save the settings to make them active.

6.6 USER CONFIGURATION – MISCELLANEOUS



6.6.1 LANGUAGE

The User Interface goes to English by default if LocalView does not recognise the MS Windows® language. It is possible to change the language by selecting a flag.

6.6.2 FILTER

The filter defines the period and sample time for measurements history.

Detailed record table:

Sample in minutes	DAY	WEEK	MONTH
1	1440		
2	720		
5	288		
10	144	1008	
20	72	504	
30	48	336	1488
60	24	168	744

6.6.3 COMMUNICATION PORT

In the case of a UPS port connection change on your PC, it is possible to change the communication settings. Use the Auto-discovery procedure for automatic settings, or manually select the right communication port and settings.

UPS protocol Type:

- PH or PH2: the interface is USB for this protocol
- JBUS-P: the interface is Serial or USB port COMx
- VU-MAP: the interface is Serial port COMx or ETH

Serial Interface:

- Serial port COMx to select
- Slave ID = 1
- COM speed 9600 by default (2400 for ITYS range)

ETH Interface

- TCP port to set: 1025
- IP address of the UPS IP connection (to check on local panel)

Auto-discovering page

Description	Protocol	Interface	Details
Detected devices 0	Modbus	COM1	9600N81
Detected devices 1	VU_MAP	ETH	172.17.10.140 - 1025

6.6.4 SAVING OF CANCEL THE SETTINGS

SAVE	stores the settings
CANCEL	keeps the current settings

It is necessary to save the settings to make them active.

6.6.5 USB AND NETYS3 RT 5 - 11 VA

For that UPS range, MS Windows® 10 (or above) installs the USB driver automatically. In case of using MS Windows® 7, install the driver utility available on Socomec server: access via QR code printed on the manual.

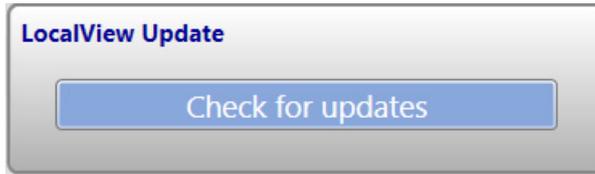
Once installed, the driver dedicates a COM port for USB communication. Check the COM port number in 'Device Manager' of your system and report it in the Local View Communication settings.

6.6.6 NO RS232 CONNECTION ON PC

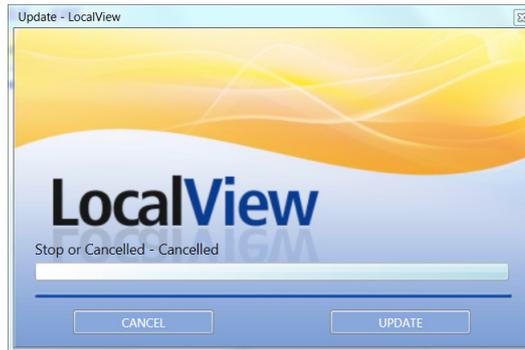
An external RS/USB converter to connect the UPS on the computer is required in that case. The driver of this converter dedicates a COM port for USB connection. Report this COM port number in Communication settings.

6.6.7 AUTOMATIC UPDATE

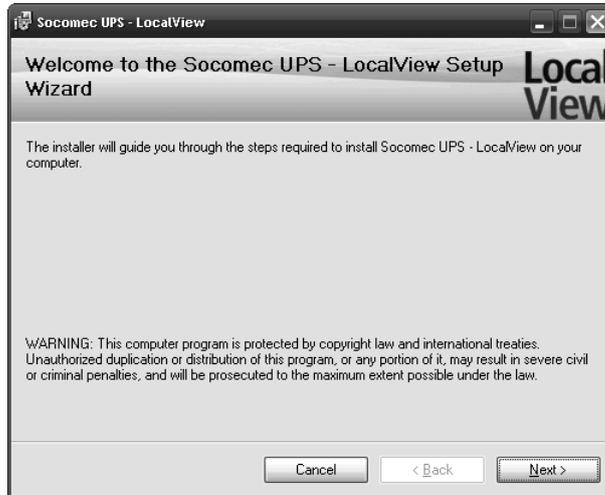
This function sends a request to the SOCOMEC FTP server to check if a new release of LocalView is available. The FTP connection needs an Internet connection, and the FTP port should be accessible by firewall and anti-virus software.



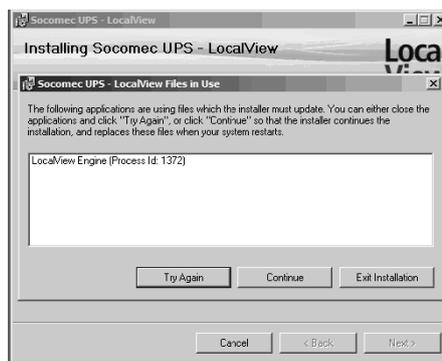
 If nothing happens after checking for updates this means the latest software release is present and there is no update available.



At the end of the process the setup program is launched automatically:

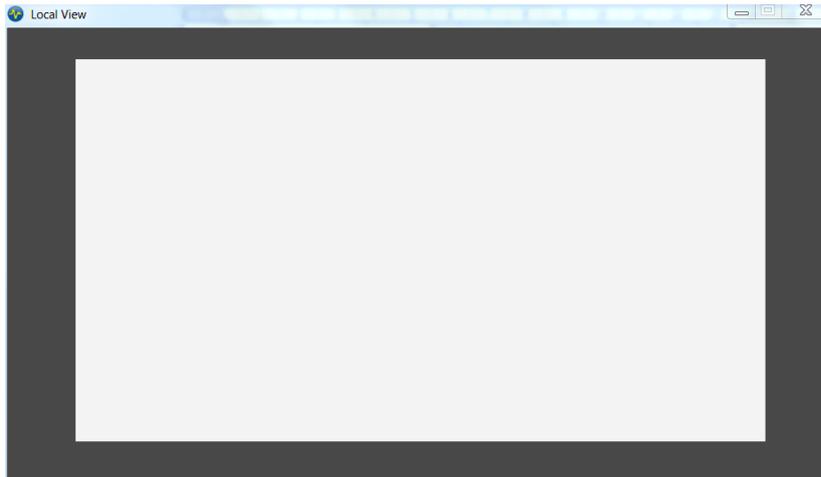


If during Setup a 'LocalView file in use' window appears as shown below ignore it and click the Continue button.



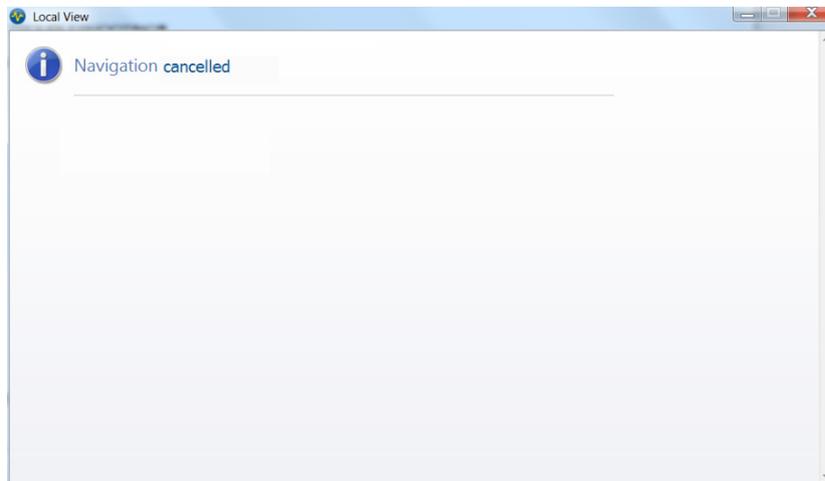
7. TROUBLESHOOTING

EMPTY USER INTERFACE



- No communication with UPS

PAGE ERROR



- Service not started

THE LOCALVIEW ICON IS BLUE

No communication with UPS. Check the cable, communication setting and UPS connection.

THERE IS NO BUTTON

Battery testing is not available or has been disabled by the UPS

WHEN I CLICK ON THE NOTHING HAPPENS

The battery test has been cancelled or suspended by the UPS

WHEN I CLICK ON THE BUZZER STILL SOUNDS ON THE UPS

It is possible that a new alarm is occurring at the same time. The buzzer must be stopped directly on the UPS.

THERE IS NO BUTTON

The command has been sent or the alarm is no longer present

I HAVEN'T RECEIVED AN EMAIL

Check the SMTP configuration.

Test the send email function

Check that events have been enabled

Check SSL/TLS authentication

THE SCRIPT/BATCH FILE HAS NOT BEEN EXECUTED

Check if the command file is already present on the disk in the correct folder. Manually test this script file.

Test this file with the shutdown test procedure function.

SHUTDOWN HASN'T BEEN COMPLETED

Check if the shutdown command is present in the configuration page. Manually check if the command has been executed (command script shell) Check if the shutdown command option is correct

I CANNOT START THE SERVICE

Maybe you don't have administrator rights.

If the service isn't present on the service list, remove and install LocalView again.

THE SERVICE DOESN'T START AUTOMATICALLY

Check your MS Windows® service policy. The service should be set as automatic. Try to start it manually.

I CANNOT OPEN THE USER INTERFACE

The service isn't running.

Check if the LocalView shortcut is correct in the program file

I CANNOT OPEN THE EXPERT WINDOW OR I CANNOT ACCESS THE SUBMENU

The service isn't running.

Check if the LocalView shortcut is correct in the program file.

I CANNOT CHANGE THE LANGUAGE

Not all languages are available. Select the UK version. If nothing changes, close LocalView and run it again.

THE LOG FILE IS EMPTY

Maybe nothing has happened today. Select the Last 7 days or All filter option if events have been stored.

THE MEASUREMENTS HISTORY IS EMPTY

Check the record sample via the configuration page and check communication with the UPS. Click on Export if data is stored in the file.

Close LocalView and open it again.

I CANNOT FIND THE CSV FILE

Use MS Windows® File Explorer to find the LocalView csv file.

Default folder: C:\Program Files\SOCOMECS\LocalView\LogFiles.

MY UPS IS NOT RECOGNIZED AUTOMATICALLY

Set the protocol and interface according your UPS configuration

UPS RANGE	PROTOCOL	INTERFACE
NETYS PE	PH	USB
NETYS PL	PH	USB
NETYS PR MT	PH	USB
NETYS PR RT	JBUSP	COMx
NETYS 1U	JBUSP	COMx
NETYS RT 1.1 / 3.3 kVA	JBUSP	COMx
NETYS RT 5-11 kVA	JBUSP	COMx
ITYS 1 – 3 kVA	JBUSP (2400 bd)	COMx
ITYS 6 – 10 kVA	JBUSP (2400 bd)	COMx
ITYS PRO	VU-MAP	COMx or ETH
MODULYS	JBUSP	COMx
MODULYS GP2.0	VU-MAP	ETH
MODULYS RM	VU-MAP	ETH
MASTERYS BC	JBUSP	COMx
OFYS RT	PH2	USB
ITYS3	PH	USB
NETYS3 RT	JBUSP	COMx (given by USB driver)
MODULYS XS	VU-MAP	ETH
MASTERYS COMPACT	VU-MAP	COMx or ETH

COMX PORT:

In case of using RS/USB converter, report the COM port number given by the driver during its installation.

NETYS3 USB DRIVER FOR WINDOWS 7:

Install the USB driver from Socomec Server

Socomec: our innovations supporting your energy performance

1 independent manufacturer

3,200 employees
worldwide

10 % of sales revenue
dedicated to R&D

400 experts
dedicated to service provision

Your power management expert



POWER
SWITCHING



POWER
MONITORING



POWER
CONVERSION



EXPERT
SERVICES

The specialist for critical applications

- Control, command of LV facilities
- Safety of persons and assets
- Measurement of electrical parameters
- Energy management
- Energy quality
- Energy availability
- Energy storage
- Prevention and repairs
- Measurement and analysis
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