Functional description
Notification app



Janitza electronics GmbH Vor dem Polstück 1 D-35633 Lahnau Support tel. 0049 6441 9642-22 Fax 0049 6441 9642-30 e-mail: info@janitza.com Website: http://www.janitza.com



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## **General information**

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Janitza electronics GmbH accepts no responsibility for errors or deficiencies within this functional description, and makes no commitment to keep the contents of this functional description up to date.

### Comments on the manual

We welcome your comments. If anything in this manual seems unclear, please let us know by sending an e-mail to: info@janitza.de



For information on installing and using the application, refer to the device operating manual!

### Meaning of symbols

This manual uses the following pictograms:



### Dangerous voltage!

Risk to life or serious injury. Before commencing work on the system and the device, they must first be de-energised.



### Please note!

Please pay attention to the documentation. This symbol is intended to warn you of potential dangers, which could occur during installation, commissioning and use.



### Note

### Function of the notification app

 The notification app sends e-mails when certain events occur (e.g. overvoltages and undervoltages) as well as a report when an event as concluded, transients, and time-controlled energy reports. It is also possible for other applications to connect to the notification app and use it to trigger the sending of e-mails. The text of the e-mails is freely configurable and provides the option to use placeholders, which are then replaced by system values.

### Installing the app

• To install the app, launch the GridVis software. Click on "Tools / Install app" and select the app with the "..." button. Then select the device for the installation and select a location for the program.



# **Configuration menu**

The notification app allows you to create up to five configurations for your alarms and notifications.

	0110311			
Measurement values	🖭 Apps	i Information	🛛 Help	
alert/notification configuration # 1				
type of email notification			off •	 
alert/notification configuration # 2 🛛 🚍				
type of email notification			off 👻	
alert/notification configuration # 3 🛛 🚍	1			
type of email notification			off 🝷	
alert/notification configuration # 4 🛛 🚍				
type of email notification			off 👻	
alert/notification configuration # 5 🛛 📻				
type of email notification			off 🝷	
				151 00 200\\/emine. 0.05

Initially, the following types are available to you for each configuration:

		🚽 🖬 闄
alert/notification configuration #1 🛛 📻		
type of email notification	off	
alert/notification configuration # 2	off event transient report	
spe or email notification	external app	
alert/notification configuration # 3 🛛 📻		
type of email notification	off 👻	
alert/notification configuration # 4		
type of email notification	off 👻	
alert/notification configuration # 5 🛛 🚍		
type of email notification	off	

## Overview

The following types are available for each configuration:

- Deactivated
  - Do not send e-mails
- Event
  - Alarm issued when event occurs
    - Overvoltage, undervoltage, power failure, overcurrent
  - Report generated when event has concluded
    - Report is freely configurable
      - A freely editable text can be created stating the start time, end time, duration, minimum value, maximum value, phase, device name, and event type.
      - A graph can be attached (except for UMG 512)
- Transients
  - Alarm issued when transient occurs, via:
    - E-mail
    - Digital output
  - Report generated when transient has concluded
    - Report is freely configurable
      - A freely editable text can be created stating the start time, end time, duration, minimum value, maximum value, phase, device name, and event type.
      - A graph can be attached (except for UMG 512)
- Energy report
  - Report on energy consumption
    - Daily, weekly, monthly
    - A graph can be attached (except for UMG 512)
- External application
  - It is possible to import other installed applications into the notification app. However, this requires special adaptations at extra cost.

### Menu bar

The menu bar consists of three icons:

Janitza <sup>®</sup> UMG511			्र*्म् ा≣ English v	
🟫 🖾 Measurement values 📼 Apps	information	🖸 Help		
			🔊 🖬 🐌	Menu bar
alert/notification configuration # 1				
type of email notification		off 🔹		
alert/notification configuration # 2				
type of email notification		off 🔹		
alert/notification configuration # 3				
type of email notification		off •		
alert/notification configuration # 4				
type of email notification		off 👻		
alert/notification configuration # 5				
type of email notification		off 👻		
			(51.00.209) Version: 0.85	

- Folder 🔄
  - Load the settings from the file (/html/stoermeldeconfig.conf)
- Diskette 🖬
  - Save the settings to a file on the device (/html/stoermeldeconfig.conf)
  - All settings are saved, so they can be used immediately.
- Address book
  - Mail server configuration

### Mail server configuration

The application requires a mail server to send the e-mails. Communications with the server must not be encrypted by SSL, as the measuring devices do not support this functionality.

You can open the configuration menu by clicking the address book icon ( ).

login mailcon/or	
login mailserver	
mail server:	
authentification method	no authentification 🔹
from:	
test recipient:	
save configuration Test	abort

- Enter the required information into the configuration dialog.
- You can enter an e-mail address under Test recipient to test the send functionality. To do so, click the "Test" button.
   "Apply" saves your entries.

## **Event configuration**

- At the start of event configuration, you have a choice between "immediate notification on event" and "event report".
- It is possible to select both options.

type of email notification	event -
immediate notification on event	
event report	
to:	

### Event alarm

• "immediate notification on event" sends an e-mail as soon as an event such as overvoltage, undervoltage, power failure (provided the device and mail server are still operational) or overcurrent occurs. Device detection must be configured in GridVis:

Overview Window 🕺	Configuration[	[UMG511-5110-8033] 能				
9 9						
Transmit Transmit	t to Reload	d Factory default Save to file Load from file				
Identity	Main input					
Transformer	Over voltage	Manual	- 0	110	% 🕘 (	253.00V)
Phase mapping	Hysteresis			2	% 🔿 (	4,607)
Measuringvariants	Under voltage	Manual	- 0	110	%	252.0070
Nominalvalues	onder vorlage	( The fold				200.000)
Ripple control	Hysteresis	r	_	2	% 🔘 (	4.60V)
Events	Voltage outage	Manual	-	85	% 🎱 (	195.50V)
Event recording	Hysteresis			2	% 🕘 (	4.60V)
Transients	Over current	Manual	- 0	110	% 🕘 (	165.00A)
Transient recording	Hysteresis			2	% 🔘 (	3.00A)
Averaging intervals						
Recording configuration						
memory configuration						
time						
Timezone	Auxiliary input					
Inputs	Over voltage	off				%
Digital outputs	thusbarratio					
field bus profiles	nysteresis	(				<i>70</i>
in configuration	Under voltage	Off				% 🌑
Firewall	Hysteresis			0		% 🌑
Flicker	Voltage outage	Off		0		% 🌰
peak demand	Hysteresis			0		% 🎱
I/O naming	Over current	Off				% @
Online recording	Hustoropia					~ •
	riyatereas			lo		
				Jun 11, 2014 3:40:58 PM CEST (G	IT+02:00)	

- In the device configuration under the "Events" tab, you can set the limit values for an event.
- Under the "Digital outputs" tab you can configure alarms for when an event occurs.

Identity	4					
Transformer	Dig.Output 1					•
Phase mapping	Dia Output 1					
Measuringvariants	Output polarity current flow if active (NOC)					
Nominalvalues	comparisonality (content now in acuve (woo)					
Ripple control	Type of output signalize event 2					<b>-</b>
Events	Signalize events					
Event recording	Events					
Device off event	Over voltage L1		Under voltage L1	Voltage outage L1	Over current L1	
Transients	Over voltage L2	~	Under voltage L2	Voltage outage L2	Over current L2	
Transient recording	Over voltage L3	3.	Under voltage L3	Voltage outage L3	Over current L3	
Averaging intervals	E Over voltage L4		V onder vorlage L4	Vorage outage L4	e over current L4	
Recording configuration						
memory configuration	Min, activity time 0					*10 mSek.
time						
Timezone						
Inputs						
Digital outputs						
Serial ports						

- First select the desired digital output that you want to report an event. The notification app will query the digital output later on.
- 2. Then set the output type to "event notification".
- 3. Select which event the digital output should report.
- Then transfer the configuration to the device and return to the device homepage:

alert/notification configuration # 1	
type of email notification	event -
immediate notification on event	
trigger	digital output 1 👻
subject of alarm mail	
event report	
to:	

- Set the digital output selected in GridVis for "Trigger". Only one digital output can be selected per configuration table.
- Enter a subject. This text is carried over into the e-mail as the subject. Then also enter the recipient's e-mail address.



Only the digital outputs 1 and 2 are supported. Please use the outputs 1 and/or 2 if the device has multiple outputs!

### **Event report**

alert/notification configuration # 1	
type of email notification	event -
immediate notification on event	
event report	
to:	
subject:	
content: tags common: device name new line event specific: date of start date of end time of start time of end duration phase type german type english minimum value maximum value	
attachment	no attachment 🔻

- If you have not activated the event alarm and the field "Recipient" is still empty, enter an e-mail address there.
- The subject of the report will be carried over and used as the e-mail subject line
- In the text entry area you can type anything you want. However, remember there is a **limit of 250** characters for the e-mail (not in the text field itself). You can use the buttons on the side to insert placeholders, which will later be replaced with the actual values when the event is analysed.
- If desired, you can also specify to attach a graph of the event to the e-mail (except for UMG 512).
- All of the logged phases of the event are always sent in the e-mail. You can set what these are in the device configuration in GridVis, in the menu item "Event logging".

Overview Window 🕺	E Configuration[UMG511-5110-8033] 🛛
S S	0 🗌 🖬 🔄
Transmit Transmit	t to Reload Factory default Save to file Load from file
Identity	
Transformer	Eventmode Voltage and Current of the phase where the event was found
Phase mapping	Recording Only the value where the event was found
Measuringvariants	Voltage and Current of the phase where the event was found
Nominalvalues	All Inputs for value where the event was found.
Ripple control	PosttriggAll values in all inputs
Events	
Event recording	-
Device off event	
Transients	

#### **Example report**



## **Transient alarm**

type of email notification	transient 🔻
alarm output type	E-Mail:
digital output	digital output 2 🔻
subject of alarm mail	
to:	

- Transients can be reported by the notification app by e-mail and via digital outputs.
- Make sure you do not select the same digital output you are using for the event alarm. Otherwise that will also be erroneously triggered at the same time. Configuration is the same as for event configuration (cf. chapter "Event configuration").

### **Energy report**

type of email notification	report <
trigger	daily 🔻
to:	daily weekly
subject:	monthly
attachment	graph 🔻

- The energy report sends you the energy profile for the period you selected.
- If you want the energy report to be sent each day, select the one hour setting.

38k#h

34 kii/h

30k1

• The weekly and monthly settings only show the value for each day.

31.7.2013	0:00	-	0:59	:	33.34kWh		
31.7.2013	1:00	-	1:59	:	33.28kWh		
31.7.2013	2:00	-	2:59	:	32.99kWh		
31.7.2013	3:00	-	3:59	:	32.86kWh		
31.7.2013	4:00	-	4:59	:	32.77kWh		
31.7.2013	5:00	-	5:59	:	33.25kWh		
31.7.2013	6:00	-	6:59	:	33.12kWh		
31.7.2013	7:00	-	7:59	:	33.31kWh		
31.7.2013	8:00	-	8:59	:	33.31kWh		
31.7.2013	9:00	-	9:59	:	33.47kWh		
31.7.2013	10:00	-	10:59	:	33.60kWh		
31.7.2013	11:00	-	11:59	:	33.70kWh		
31.7.2013	12:00	-	12:59	:	33.63kWh		
31.7.2013	13:00	-	13:59	:	33.34kWh		
31.7.2013	14:00	-	14:59	:	33.25kWh		
31.7.2013	15:00	-	15:59	:	34.27kWh		
31.7.2013	16:00	-	16:59	:	33.15kWh		
31.7.2013	17:00	-	17:59	:	33.86kWh		
31.7.2013	18:00	-	18:59	:	34.02kWh		
31.7.2013	19:00	-	19:59	:	34.08kWh		
31.7.2013	20:00	-	20:59	:	34.08kWh		
31.7.2013	21:00	-	21:59	:	34.30kWh		
31.7.2013	22:00	-	22:59	:	34.46kWh		
31.7.2013	23:00	-	23:59	:	34.66kWh		
Gesamt:		806.11kWh					

Fig.: "Daily" trigger



Fig.: "Weekly" trigger