Janitza E-Learning Portal

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Manual UMG 96-PA configuration via GridVis Energy (web)



Janitza®

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11 SUMMARY



This tutorial deals with the configuration of the UMG 96-PA via the web interface.

Contents

- Design of the device configuration
- Opening the device configuration
- Configuration: Identification
- Configuration: Voltage transformer
- Configuration: Current transformer
- Configuration: Multifunction channels
- Searching in the device configuration

Fig. 1: Device overview on the web

The upper area displays an overview of the device and its connectors.

Clicking on these connectors allows you to modify the name and mode and open the corresponding configuration card in the lower area.

You can quickly navigate to the desired configuration card using the tabs for the corresponding main categories and the search field.

The lower area displays all available configuration cards (1) in dependence on the active channel/connection or selected tab.

1

The configuration of the UMG 96-PA and UMG 801 measurement devices is currently already available via the GridVis Energy web interface. Support for additional devices will follow. The configuration is designed as follows:

📄 🍙 Overview	Dashboard	s Alarms	10			Janitza°	GRIDVIS-ENERGY	M∽− Logout admin
Device configurator 👻 🕞								
		Basic Device				2 3 1 2 3		
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5	Firmware Serial Number	1.13 (Modul: 9.3) 4300-0009 (Mod	5) ul: 4500-0001)		vot	age Current Channe	45 3	
Hard	ware Revision	1,96-PA-RCM-EL			1	3 5 6 7 8 9	10	
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Identificatio	n							
Sliding Aver	age Value		Name of device					
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Overview								
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				www.jan	itza.com		© Jani	GridVis 7.5.6-m0 itza electronics GmbH. All rights reserved

Click on the Device Configuration button for the corresponding device in the Device Overview.

	arms 🔟 Janitza ° gridvis-ener	
Busic Devic UMC 9 Factor Show Backside P-Address 0 P-Address 0 Firmware 1 Serial Number 4 Serial Number 4 Hardware Revision 1 General 1 Clentification Sliding Average Value	Please Note The new device configuration is being continuously expanded. Therefore not all functions are available here at the moment. The following configuration parameters are currently only available in the GridVis desktop: RCM Configuration Recording Configuration Timezone Comparator LCD Settings Do not display this notice in the future Ciose	

Click the Close button.

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Device configurator 👻 🕞				
Basic Dev UMG >> UMC Show Backside IP-Address 0.0.0	^{ice} 96-PA 5 96-PA	1 2 3 1 2 3 14 13 14 13 30 12 23 34 15 14 13 30 12 23 34 34 12 24 34 15 15 15 15 16 12 23 34 15 16 16 16 16 16 16 16 1 16	1 25 26 Andre Output	
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Serial Number 4300-00 Hardware Revision 1, 96-PA	09 (Modul: 4500-0001) -RCM-EL		3	
General Meas	surement Recording	Periphery System	Q Search configuration	
Identification Sliding Average Value	Name of device UMG 96-PA Description of device Test device from td	Identification		Î
	Voltage Values	Sliding Average Value Configuration for Averaging Interval		
	15 min. 🗸	<u>x janitza.com</u>	© Janitza elect	GridVis 7.5.6-m0 ronics GmbH. All rights reserved

Click the Name of device input field.

2 Click on voltage L1 to open the transformer configuration.

	Alarms 10	Janitza	GRIDVIS-ENERGY	- Logout - Admin
Device configurator 👻 🕞				
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	Specify the print	Voltage Transformer nary voltage to be converted to the secondary voltage Main measurement L1-L3		
		.janitza.com	© Janitza	GridVis 7.5.6-m0 electronics GmbH. All rights reserved

Click Voltage Transformer.

i	Optionally,	you can modify	y the	measuring mode a	and assigned	connection.
	•			e e e e e e e e e e e e e e e e e e e	<u> </u>	

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Voltage Transformer	Primary	Main measurement L1-L3			
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		DC measurement	LG	_	
	Primary	V	Secondary		
		www.janitza.com		© Jani	GridVis 7.5.6-m0 tza electronics GmbH. All rights reserved

1 Use the input fields to modify the transformer ratio.

- 2 Click Current Channel 1.
- Click Current Channel 1.

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Device configurator 👻 🕞				
Channel Name Current Channel L	Selected Channels Transformer Ratio 1-L3: 10/5	1 1 2 3 1 2 3 H 15 16 19 10 22 24 R<45 10 10 12 23 24 24 Janitzar 1 2 3 1 2 34 Janitzar 1 2 24 10 10 24 Liberret 1 2 24 30 31 2 Bornet 1 2 24 30 31 2 Voltage Corret Channets 1 2 33 1 2 3 J 2 33 3	Avalage Codept 4 32 Marchan 32 Marchan 33 Marchan 34 Marchan 34 Marchan 35 Marchan 36 Marchan 36 Marchan 37 Marchan 38 Marchan 39 Marchan 39 Marchan 30 Ma	
General Meas	surement Recording	Periphery System	Q Search configuration	
Current Transformer Voltage Transformer	Specify the print Current Channel L1-L3 Current Channel L4 Multifunctional Channel L5 Multifunctional Channel L6	Current Transformer sary current to be converted to the secondary current. Primary Secondary 10 A \$ Voltage Transformer Voltage secondary	A 🗸	
	Specify the prin	Main measurement L1-L3	_	
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1 Click the Current Channel L1-L3 check box.

Deptionally, you can modify the channel name and assigned voltage reference here and swap s1(k) and s2(l).

2 Use the input fields to modify the transformer ratio.

3 Click Multifunctional Channel 1.

≡	ŝ	Overview	Dashboard	s Alarms 10			Janitza	GRIDVIS-ENERGY	Logout admin
Device co	onfigurato	r - 6						Invalid config	uration - please check!
			Channe Multifu <u>Measur</u> 2	Multifunctional C I Name Inctional Channel L5 ement mode ter 0.2000 Inputs must all be measurement mod power or none	set to to	14 15 16 RS-40 UMG 96-PA UMG 96-PA Dumme Dumme Terr VMG 96-PA	2 3 1 2 3 35 20 2 3 2 7 gld inputs 2 3 2 2 1 2 3 2 2 3 1 2 3 2 2 3 2 1 2 3 2 2 3 2 3 1 2 3 2 2 3 3 2 3	1 21 20 Analog Output 4 Carment Carment 3 3	
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				Main measurement L1-L3				GridVis 7.5.6-m0	
					ww	w.janitza.com		© Janitza	electronics GmbH. All rights reserved

- Click the **Measurement mode** dropdown button.
- 2 Select the desired mode from the list.
- Click Multifunctional Channel 2.
 - **i** Some measuring modes require a coordinated configuration of the two multifunction channels.

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Mult Channel Name Multifunctional Cl Measurement mo DC power 020m/ 2	tifunctional Channel L5 hannel L5 de A v	1 1 2 3 1 2 3 14 15 16 18 19 30 20 20 10 Organ Organ	1 20 Dav Autor Conset Conset S 3 20	
General Meas	surement Recording	Periphery System	Q Search configuration	
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	openy in prin	Main measurement L1-L3		v Cridiie7560
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Click the **Measurement mode** dropdown button.

2 Click the DC power 0..20mA list item.

3 Click the Multifunctional Channel L5 check box.

Once the configuration is valid again, the warning message disappears.

Click the Multifunctional Channel L6 check box.

i If transformer inputs permit identical configurations, configure them simultaneously using the checkboxes.

i

i If the configuration options differ, the corresponding input fields become inactive.

⁵ Modify the transformer ratio using the input field.

i In this measurement mode, the secondary value for this channel is fixed. In a case like this, the corresponding input field is inactive.

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Channel Multifun Measure DC powe	Multifunctional Channel L5 Name Ctional Channel L5 ment mode er 0.20mA	1 2 3 1 2 3 14 15 16 16 20 22 20 104 15 16 16 20 22 20 20 Jund Sce.Pd 1 17 20<	Analog Output 4 100 100	
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Current Transformer Voltage Transformer	Specify the privation of the private priv	Current Transformer mary current to be converted to the secondary current. Primary Secondary 000 A 20	mA 🗸	
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To jump to the configuration of the digital inputs, click Digital Input 1.

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1 2	Digital Inpu Channel Name Digital Input 1 50 input 50 input Tariff control input	vt 1 ~	1 14 15 16 15-465 Janitza UMG 96-FAR Ethernet Ter	1 2 3 1 2 3 13 20 22 22 24 24 13 20 22 22 24 24 14 2 23 24 24 24 17 24 20 20 31 22 10 2 20 30 31 22 10 2 20 30 31 22 10 2 3 1 2 2 2 11 2 2 3 1 2 3	1 20 m Analog odukt	
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Click the **Mode** dropdown button.

2 Click the Tariff control input list item.

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		Digital Output Configure the digital outputs' functionality Pulse Width (Millisecond) 30				
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Click Digital Input 2.

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Device configu			
	Digital Input 2 Channel Name Digital Input 2 Mode 50 input v	1 1 2 3 1 2 3 1 14 15 16 28 29 22 22 20 3 1 16 16 29 20 20 20 20 3 10 3 30 <	
General	Measurement Recording	Periphery System 2 Q device time ×	
	Search Results for: "device time"	me be used on the device.	
	Difference 0 seconds	This change may not become effective until configuration is transfered to device	
	Activate NTP		
			•
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1 Use the input fields to modify the configuration.

2 As you type in your search term, the appropriate configuration cards are displayed right away.

Click Synchronize device time now.

Click the Save button to transfer the changes to the device.

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i The changes are only transferred to the device after the Save button has been clicked.



1 Summary

Please enter your text here.

Navigation via device overview

Clicking on the connections in the device graphic allows you to quickly navigate to the corresponding configuration card and change the channel name and mode if necessary.

Search

You can easily navigate to a specific configuration card using the search function.

Dependent configuration

Depending on the configured mode, different configuration options are available for the connections.

Some modes require a corresponding mode for other connections.

Modes

For some connections, different modes are available.

You can configure these via a pop-up window after clicking on the corresponding connection in the device graphic.