PC APPLICATION GRM-10

MANUAL INSTRUCTION

zaMel

ul. Zielona 27 43-200 Pszczyna, Poland

Tel. +48 (32) 210 46 65 Fax +48 (32) 210 80 04

e-mail: marketing@zamel.pl www.zamelcet.com

DESCRIPTION

The application is used to update the software of the GRM-10 device and its configuration by means of a PC. In order to perform all the above activities it is necessary to connect the GRM-10 device with a computer (PC) by means of a USB Micro B / USB A cable.

APPLICATION APPEARANCE

MAIN WINDOW - PARAMETERS SECTION

The window is used to configure the basic GRM-10 controller parameters (a password to control the text message, confirmations, MODBUS communication parameters, IN1 / IN2 inputs configuration, OUT1 / OUT2 outputs configuration).

	A section of configuration para	ameters adjustment.		
	A section of software	e update.		
	GRM-10			
	Konfiguracja UPGRADE (Aktualizacja)			
Configuration block.	Wczytaj z pliku Z	apisz do pliku Wczytaj z urządzenia	Zapisz do urządzenia	
Passwords to text messages.	Parametry Telefony Exterine			
Confirmations.	Hasto:	Tryb sterowania dla kanalu 1:	Tryb załacz/wyłacz	Blok
A configuration block of	Potwierdzenie: Brak potwierdzenia	Tryb sterowenia dia kanału 2:	Tryb załącz/wyłącz	konfiguracji
A configuration block of	MODEUS:	Stan po włączeniu zasilania dla kanału 1:	Włączony •	wyjść.
	Szybkość transmisji: 9600 kbps	Stan po włączeniu zasilania dla kanału 2:	Włączony	
	Parzystość: Test parzystości	Liczba sygnałów dla kanału 1:	3	
	Wejścia INI / IDZ:	Liczba sygnatów dla kanału 2:	3	
Input configuration block.	INIHI: Brak ¥ X sms	[`````		
	IN2HI: Drak V X sms			
	IN2LO: Brek 🔻 🕷 sms			
	`			
	Stan urzędzenia:			
	Tryb upgrade - dysk E:/		Zmien język	

MAIN WINDOW - TELEPHONE SECTION

The window is used to configure the telephone numbers, which have the access authorisation to control the GRM-10 device by means of calling signals (CLIP) and authorisations connected with reporting and administration.



acja UPGRADE (Aktualiza The block is used to add a new command rytaj z plik. Edition of commands / try Telefony ExtaFree controlling the EXTA FREE system Sending commands (programming). receivers. (lewy przycisk) Przyciski Kod 1 Kod 2 Kod 3 Kod 4 Kod 5 Kod 6 Kod 7 Kod 8 Kod 9 Kod 10 Kod 11 Kod 12 Kod 13 Kod 14 Kod 1 ! Adres Control LAMPA ON commands. Numbers of buttons LAMPA OF

SOFTWARE UPGRADE

The upgrade can be done by a GRM-10 device user and it is necessary to do it after the latest upgrade version release by a producer. Information on current upgrade version can be found on the product site: http://www.zamelcet.com/pl,263,4537,sterownik_gsm_modulowy_2kanalowy_grm10.html.

Szukai w: C SOFT 24.05.201

Pliki typu:

GRM-10_v5.11

Pliki oprogram

Moje bieżąc dokumenty

Pulpit

ioje dokumen

oj kompute

Moje miejso sieciowe

uraria UPGRADE (Aktualizad

- 🗧 🖆 📰 -

Otwórz

za/er

Anului

In order to upgrade the software, the following steps must be done: 1. After the power supply is switched off, connect the GRM-10

device to the computer (PC) by means of the USB (USB Micro B / USB A) cable and keep pressed the PK2 button. 2. Start the GRM-10 application and choose the UPGRADE section

4. If the upgrade is successfully finished, the application will show: "The upgrade was properly updated".

3. Choose "Software upgrade" and next from a specified loca-

tion choose the latest upgrade version for GRM-10 device

5. Press "OK'. 6. Enter the configuration mode.

(file *.zms).

7. After a proper device configuration disconnect the USB cable. Next switch on the power supply and check the GSM-10 device proper operation.

LANGUAGE CHANGE

The application to GRM-10 device is prepared in 4 language versions: POLISH, ENGLISH, RUSSIAN and GERMAN. In order to change the language the following shall be done:

1. Click " CHANGE LANGUAGE".

2. Choose the proper language from the " Choose language" window and confirm it by pressing the "OK" button.

	Wybierz język Polski	
	OK Anuluj Zmiana zostanie zastosowana po ponownym uruchomieniu aplikacji!	
	■ Wybierz język	? 🛛
	Polski Polski English Deutsch	
der to make come changes	the CRM 10 emplication must be estivated a]

GRM-10 CONFIGURATION BY MEANS OF THE PC APPLICATION

- 1. Start the GRM-10 application on a computer (PC).
- 2. After the power supply switch off, connect the USB Micro B / USB A cable to the GRM-10 device.
- 3. Wait until GRM-10 is activated in the operative system and properly installed.
 - 4. Make proper configuration adjustments by means of PC.
 - 5. In order to save the current configuration to the GRM-10 device press the" DEVICE SAVING" button.
 - 6. Aftera proper message is displayed, press shortly the PK1 button on the GRM-10 front panel (it is signalled by a short RS485 LED yellow diode switching on).
 - 7. If the configuration is correct, the application will display messages: "CONFIGURATION OK" or otherwise " CONFIGURA-TIŎNERROR".
 - 8. Disconnect the USB Micro B / USB A cable from the GRM-10 device.
 - 9. Switch on the power supply and check if the configuration was properly done.

The user has a possibility of archiving configuration adjustments, it means the current configuration adjustments can be saved to a file.

Saving the configuration to the *.zml file

choose a correct file location and save it. The user has also a possibility to read the current configuration from the *.zml file or directly from the GRM-10 device

Reading the configuration from the *.zml file

tion, choose the proper file location and read it.

Reading the configuration from the GRM-10 device

of the application.

CONFIGURATION OF A PASSWORD AND CONFIRMATIONS

	A password limiting th During con
Ogólne:	
Hasło:	ZA
Potwierdzenie:	Po
	Bra
The section includes the types of input occ reported by means of sending a	currences to be text message. Po

CONFIGURATION OF MODBUS COMMUNICATION

- MODBUS: Szybkość transmisji: Parzystość:	96 Te
Selection of the transmission rate.	96 24 48 96 19
Selection of the parity.	Te Br Te Te







						The text message content (maximum 32 signs).
		/ IN2:				
	IN1HI:	Br	ak	-	× sms	[
	TNULO	Br	 	Ţ) 💌 eme	
The logical	-					
1/IN2 inputs status.	IN2HI:	Br	3K		Sms	
	IN2LO:	Br	ak	-	🗶 sms	
It defines the be activate	occurrence that d in case a defin occurs on	needs led stati an inpi	to Bra us Bra Prze Prze	k « ekaź	nik 1 inik 2	▼ If the option "Relay 1' was chosen or "Relay 2" the user has the following options: Włączony Wyłączony Czasowo
	SWITCHED O	N	The relay	is s	witched o	n after a defined input status was detected.
		FF	The relay	is s	witched o	ff after a defined input status was detected.
	TIME		The relay	stati	us is swite	ched on for a specific time after a defined input status was detected.
IE ADJUSI	MENTFOR "1	ГІМЕ"	OPTION			
	,−Weiścia IN1	/ IN2:				
	INIHI:	Bra	эк		sms	
	IN1LO:	Bra	ak	-	🗶 sms	
	IN2HI:	Bra	ak	-	🗙 sms	
	IN2LO:	Pra	alenánik 1			
			секазнік т	•	Czasov	vo 🔻 1 🗧 🕱 sms
					Czasov	
					Czasov	VO I Sms Time adjustment for the time mode. Adjustments in the range 03600 sec.
XT MES	SAGE OPT	ION			Czasov	Time adjustment for the time mode. Adjustments in the range 03600 sec.
XT MES	SAGE OPT	input c	ccurrence	: inp	ut activat	Time adjustment for the time mode. Adjustments in the range 03600 sec.
XT MES ution 1: aft se	SAGE OPT er a recorded nt to all author	TION input c	ccurrence	: inp	ut activat	Time adjustment for the time mode. Adjustments in the range 03600 sec.
XT MES ution 1: aft se	SAGE OPT er a recorded nt to all author	TION input c ised te / IN2:	ccurrence	: inp	ut activat	Time adjustment for the time mode. Adjustments in the range 03600 sec.
XT MES ution 1: aft se	SAGE OPT er a recorded nt to all author -Wejścia IN1 IN1HI:	TION input c ised te / IN2: Bra	ccurrence lephone n	: inpumb	ut activat ers includ	Time adjustment for the time mode. Adjustments in the range 03600 sec.
XT MES ution 1: aft se	SAGE OPT er a recorded nt to all author Wejścia IN1 IN1HI: IN1LO:	TION input c ised te / IN2: Bra Bra	ccurrence lephone n	: inp umb	ut activat ers incluc sms sms	VO VI I Sms Time adjustment for the time mode. Adjustments in the range 03600 sec. ion + a text message with a defined contentis sent (the text message ded in the INFO).
XT MES ution 1: aft se	SAGE OPT er a recorded nt to all author Wejścia IN1 IN1HI: IN1LO: IN2HI:	TION input o ised te / IN2: Bra Bra	ccurrence lephone n sk	: inp umb	ut activat ers incluc sms sms sms	Image: Sime adjustment for the time mode. Adjustments in the range 03600 sec. ion + a text message with a defined contentis sent (the text message ded in the INFO).
XT MES ution 1: aft se	SAGE OPT er a recorded nt to all author Wejścia IN1 IN1HI: IN1LO: IN2HI: IN2LO:	TION input c ised te / IN2: Bra Bra Prz	iccurrence ilephone n ak ak ak	: inp umb	ut activat ers incluc sms sms sms Czasov	NO I Image: sms Time adjustment for the time mode. Adjustments in the range 03600 sec. ion + a text message with a defined contentis sent (the text messaded in the INFO). Image: sms ZMIANA CZASOWA OUT1
XT MES ution 1: aft se	SAGE OPT er a recorded nt to all author Wejścia IN1 IN1HI: IN1LO: IN2HI: IN2LO:	TION input of ised te / IN2: Bra Bra Bra Prz	etected on t		ut activat ers incluc sms sms sms Czasow	wo I Image: sms Time adjustment for the time mode. Adjustments in the range 03600 sec. ion + a text message with a defined contentis sent (the text message ded in the INFO). wo Image: sms ZMIANA CZASOWA OUT1 wo Image: sms ZMIANA CZASOWA OUT1 wo Image: sms ZMIANA CZASOWA OUT1
XT MES ution 1: aft se	SAGE OPT er a recorded nt to all author Wejścia IN1 IN1HI: IN1LO: IN2HI: IN2LO: Afterthe "LO" sta	TION input c ised te / IN2: Bra Bra Bra Prz	ak ak etected on t "OU	: inp umb	ut activat ers incluc sms sms sms Czasow 42 input, th IME CHAN	wo I Image: sms Time adjustment for the time mode. Adjustments in the range 03600 sec. ion + a text message with a defined contentis sent (the text message defined in the INFO). wo Image: sms ZMIANA CZASOWA OUT1 wo Image: sms ZMIANA CZASOWA OUT1 He relay 1 (OUT1) status is changed for time 10 sec. + a text message defined in the INFO.
ution 1: aft se	SAGE OPT er a recorded nt to all author Wejścia IN1 IN1HI: IN1LO: IN2HI: IN2LO: Afterthe "LO" sta	TION input c ised te / IN2: Bra Bra Bra Itus is d	ccurrence lephone n ak ak ekaźnik 1 etected on t "OU ccurrence	: inp umb	ut activat ers incluc sms sms czasov 12 input, th IME CHAN	wo I Image: Sms Time adjustment for the time mode. Adjustments in the range 03600 sec. ion + a text message with a defined contentis sent (the text messaded in the INFO). wo Image: Sms ZMIANA CZASOWA OUT1 te relay 1 (OUT1) status is changed for time 10 sec. + a text message IGE" is sent to all authorised telephone numbers defined in the INFO. essage with a defined contentis sent (the text message is sent to contention)
EXT MES ution 1: aft se	SAGE OPT er a recorded nt to all author Wejścia IN1 IN1HI: IN1LO: IN2HI: IN2LO: Afterthe "LO" sta	TION input c ised te / IN2: Bra Bra Bra Prz Itus is d input c ne num	ccurrence lephone n sk sk sk ekaźnik 1 etected on t "OU ccurrence sbers inclu	: inp umb	Ut activat ers includ sms sms sms Czasov 12 input, th IME CHAN y a text m in the INF	wo I Image: Sime sime sime sime sime sime sime sime s
ution 1: aft se	SAGE OPT er a recorded nt to all author Wejścia IN1 IN1HI: IN1LO: IN2HI: IN2LO: Afterthe "LO" sta er a recorded orised telephor	TION input c ised te / IN2: Bra Bra Bra Prz tus is d	etected on t "OU	: inp umb	Ut activat ers includ sms sms sms Czasov 12 input, th IME CHAN y a text m in the INF	wo I Image: Sms Time adjustment for the time mode. Adjustments in the range 03600 sec. ion + a text message with a defined contentis sent (the text messaded in the INFO). wo Image: Sms ZMIANA CZASOWA OUT1 Image: Sms Image: Sms
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ution 1: aft se	SAGE OPT er a recorded nt to all author Wejścia IN1 IN1HI: IN1LO: IN2HI: IN2LO: Afterthe "LO" sta er a recorded orised telephor Wejścia IN1 / IN2: IN1HI: Bra IN1LO: Bra IN1HI: Bra IN1HI: Bra	TION input c ised te / IN2: Bra Bra Bra Bra Bra Bra Bra Bra Bra Bra	ccurrence elephone n ak ak ak etected on t "OU ccurrence abers inclu	: inppumb umb	Ut activat ers includ sms sms sms Czasov 12 input, th IME CHAN y a text m in the INF	wo 1 Image: Sms Time adjustment for the time mode. Adjustments in the range 03600 sec. ion + a text message with a defined contentis sent (the text message ded in the INFO). wo Image: Sms ZMIANA CZASOWA OUT1 Image: Sms Image: Sms
EXT MES ution 1: aft se	SAGE OPT er a recorded nt to all author Wejścia IN1 IN1HI: IN1LO: IN2HI: IN2LO: Afterthe "LO" sta er a recorded orised telephor Wejścia IN1 / IN2: IN1HI: Bra IN1LO: Bra IN2LO: Bra	TION input c ised te / IN2: Bra Bra Bra Bra Bra Bra Bra Bra Bra Bra	ccurrence lephone n sk sk sk sk sk sk sk sk sk sk sk sk sk	inpumb	Ut activat ers includ sms sms sms crasov	wo 1 Image: Sime sime sime sime sime sime sime sime s

	co				s		
\sim					0		
	ſ	–Wyjścia: ——					
		Tryb sterowania	a dla kanału 1:	(Tryb załącz/wyłącz		
		Tryb sterowania	a dla kanału 2:		Tryb załącz/wyłącz		
		Stan po włącze	niu zasilania dla kanału	11:	Włączony		
		Stan po włącze	niu zasilania dla kanału	12:	Włączony		
	Н	-X Sterowanie	poprzez dzwonienie		·		
		Liczba sygnałów	w dla kanału 1:	Í	3		
		Liczba sygnałów	w dla kanału 2:		3		
		possibility of (CLIP control				
	SI	witching on / s	witching off.				
5	SWIT	CHED ON	After power sup remains in the s	oply voltage switched on	is applied or switched of status.		
s	WIT	CHED OFF	After power sup remains in the s	oply voltage switched off	is applied or switched of status.		
	PR	EVIOUS	After power sup the status reme	ply voltage i mbered befo	s applied or switched off a ore power supply voltage		
С	ONF	IGURATION	OF OUTPUTS		ODE		
		-Wyjścia:					
		Tryb sterowani	ia dla kanału 1:		Tryb czasowy		
		Tryb sterowani	ia dla kanału 2:		Tryb czasowy		
		Stan po włącze	eniu zasilania dla kanałi	u 1:	Wyłączony		
		Stan po włącze	eniu zasilania dla kanał	u 2:	Wyłączony		
Czas dla kanału 1 [s]:			u 1 [s]:		10		
		Czas dla kanał	u 2 [s]:		20		
		🗶 Sterowanie	e poprzez dzwonienie				
		Liczba sygnałó	w dla kanału 1:		3		
		Liczba sygnałó	w dla kanału 2:		2		
_							
C	ONF	IGURATION	OF OUTPUTS	IN GATE M	IODE		
		-wyjscia:					
		Tryb sterowan	ia dla kanału 1:		Tryb bramowy		
		Tryb sterowan	ia dla kanału 2:		Tryb bramowy		
		Stan po włącze	eniu zasilania dla kanał	u 1:	Wyłączony		
		Stan po włącze	eniu zasilania dla kanał	u 2:	Wyłączony		
		Czas dla kanał	u 1 [s]:		1		
		Czas dla kanał	u 2 [s]:		10		
		Tryb auton	natyczny				
		Liczba cuzpaté	e poprzez azwonienie		2		
			w ula obu kanatow;		2		
	A	utomatic mode	e selection.				
		-Wyjścia:					
		Tryb sterowan	ia dla kanału 1:		Tryb bramowy		
		Tryb sterowan	ia dla kanału 2:		Tryb bramowy		
		Stan po włącze	eniu zasilania dla kanał	u 1:	Wyłączony		
		Stan po włącze	eniu zasilania dla kanał	u 2:	Wyłączony		
		Czas dla kanał	u 1 [s]:		1		
		Czas dla kanał	u 2 [s]:		10		
	<u>ــــ</u>	Tryb autom	hatyczny		[
		Czas dla trybu	automatycznego [s]:		60		
		Sterowanie	e poprzez dzwonienie				
		Liczba sygnałó	w dia obu kanatów:		٢		



ADDING TELEPHONES BY MEANS OF PC APPLICATION

In order to add a new telephone number to the BASE the following shall be done:

 Write NAME and SURNAME and the telephone number starting with +48xxxxxxxx, and next press the ADD button. 	Parametry Telefony Exta®ree Dodaji numer: Imię: 2an	Nazwisko:	Nr. telefonu: + 4604/591233	Dodaj
2. The number is added to the TELEPHO-	GRM-10			
NE BASE.	Konfiguracja UPGRADE (Aktualizacja)			
	Wczytaj z plku	Zapisz do pliku	Wczytaj z urządzenia	Zapisz do urządzenia
	Parametry Telefony ExtaFree			
	Imię:	Nazwisko:	Nr. telefonu:	
			+	Dodaj
	Wyszukaj:			
	Baza:	Usuń z bazy ADMIN:	Dodaj do ADMIN Usuń z ADMIN CLIP:	Dodaj do CLIP Usuń z CLIP
	1 Michał Tyc	+48603360928	INGRAMINA INGREEVEN	Nazwisko Naumer celerona
	2 Administrayjny Zamel	+48534853332		
	3 Jan Kowalski	+48604291233		
		INFO:	Dodej do INFO Usuń z INFO	
		Imię	Nazwisko Numer telefonu	
3. In order to move a chosen number to				
CLIP, ADMIN or INFO section, first hi-				
ghlight the chosen number in the base				
and then click the proper button "Add to				
CLIP, Add to INFO of Add to ADMIN.	Stan urządzenia: Tryb konfiguracji - dysk E:/			Zmień język
he numbers included in the CLIP section are ber of calling signals to GRM-10 device. It re	authorised to control the set of	ne CLIP, it means ch off , time and g	they control by means of s ate modes.	sending a defined num-
All numbers added to the INFO section will re are adjusted).	eceive messages referr	ing to occurrences	s on outputs and IN1 / IN2	inputs (if confirmations

All numbers added to the ADMIN section are authorised to switch the GRM-10 device into or out of a remote configuration mode. The remote configuration is possible during normal device operation without the need to switch off the power supply.

ADDING CONTROL COMMANDS FOR EXTA FREE SYSTEM

In order to add a command controlling the EXT	A FREE system receivers the follo	owing shall be done	e:	
1. Enter the control command (freely defi-	■ GRM-10			
ned by the user) and add to it the num-	Konfiguracja UPGRADE (Aktualizacja)			
bers of buttons to control the EXTAFREE	Wczytaj z plku Zapisz	do pliku Wc	zytaj z urządzenia	Zapisz do urządzenia
system. The numbers of buttons can be	Parametry Telefony ExtaFree			
included in the range from 1 to 127. Ma-	Ręczne Dodaj komendę:			
ximum 15 buttons can be added to one	Edycja (podwójne kliknięcie) Komenda: SCHODY (Wysyłanie (lewy przycisk)	N		
control command (it is used in a simula-	Port: COM1 Przydski: 3			
neous control of several receivers).	Szybkość transmisji: 9600 bau 💌 Adres na magistrali: 1	↓		Dodaj
	Parzystość: Even 💌			
	Wyszukaj:			Usuń wybrane
	Kod 1 Kod 2 Kod 3 Kod 4 Kod 5 Kod 6 Kod 7	Kod 8 Kod 9 Kod 10 Kod 11 Kod 1	2 Kod 13 Kod 14 Kod 15 Adres	Komenda
	1 1		1	LAMPA ON
	2 2		1	LAMPA OFF
2. Press the ADD button - the command is				
added to the list of control commands.				
In this way the maximum 127 control				
commands can be created.				
	Stan urządzenia: Brak urzędzenia:			Zmień język
The control of EXTA FREE system rece-				
ivers by means of the GRM-10 device is only	ossible after its connection with t	he RXM-01 trans-	-Ręczne	
lator (www.extafree.pl) through the RS-485 ir	terface and an appropriate confi	guration of trans-		
mission parameters. Additionally, in the applic	ation, it is required to perform the	e programming of	📃 🔘 Edycja (podv	vójne kliknięcie)
buttons' numbers that are related to particular	control commands to the approp	riate EXTA FREE	O UL and and a d	
system receivers.			Wysyłanie (I	ewy przycisk)
In order to do it, in the application, tick the SEN	option and adjust correct transm	ission parameters	Port:	COM2
(the number of the communication port, transn	ission rate and parity).			
The programming process of receivers by me	ans of an application is analogou	s to programming	Szybkość transm	iisji: 🛛 9600 bau 🔻 👘
typical EXTA FREE system transmitters. After	control commands had been de	fined, a table was	Devenueberádi	Even a
created and it should be used as a multi push-l	utton remote control. For example	e, when the cursor	Parzystosc:	Even
stops on the button 1 code, it is highlighted b	ie. Pressing this button is analog	ous to a wireless		
sending of a code to press button 1. By pressi	g it, the button's colour changes	into orange.		
During programming the RXM-01 device mus	be connected to the computer	In order to do it a	nroner adanter III	SB-RS232 or LISE
-RS485 must be used	to the computer.			55 10202 01 00D-
During normal operation for eventing	a taxt magazara with the LN/NC		at to the CDM 40	dovice will require in
During normal operation, for example, sending	a text message with the LIVING	RUUIVI UN" contei	nt to the GRIVI-10	device will result in
switching on the receiver with an assigned hur	iber 1.			