

Instruction Manual



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ELVIS/BMS/SCADA

jednostka sterująca steering unit

rozdzielacz sygnału signal distributor

1. Preface

Monitoring of emergency lighting has never been so user-friendly. This was made possible thanks to an application compatible with the system for the management of emergency lighting DATA 2 and central battery system TM-CB A. ELVIS visualises facilities with emergency lighting fittings installed, making building administration much easier. The user can place fittings on the building plan to easily detect the location of and precisely diagnose a defective fitting. To increase operating comfort even further, the program has the function of automatic and cyclic sending of reports on the system status to a given e-mail address.

2. Installation



To install the program, run the installer by clicking the 'ElvisInstaller_en.msi' file on the supplied storage medium. Follow the instructions in the installer and accept the license agreement.

The user can select modules that will be installed:

- Elvis main application.
- Elvis Online service of sharing the system status through the website.

谩 ELVIS Setup	
Custom Setup Select the way you want features to be installed.	ELVIS
Click the icons in the tree below to change the wa	y features will be installed.
Elvis main application Elvis Online	This feature requires 70MB on your hard drive.
Reget Disk Usage	Browse Back Next Cancel

NOTE! The installation process requires .NET Framework 4.6.1. libraries to be installed. In the absence of libraries, an error will be displayed and the installation will be interrupted.



3. Introduction

ELVIS			TM TECHNOLOGIE 🗕 🗖 🗙
Plik Edycja Widok Operacje Narzędzia			
Zwiń / Rozwiń 💎 Filtry 📄			▲ Vawigacja ▲
		* * *	
🔳 TM TECHNOLOGIE 🔁 🔺 🦷 📕			And the second design of the s
🔄 BRIDGE 1 ₹ 4 🗎 4			
🔁 01/A/001 🔁 🗲 T, T, 🗈 🔕 🖬 🚬			
≥ 01/A/002 ≈ 7 T, T,	•		
≥ 01/A/003 ≈ 7 T, T, 1 ⊗ 6			
D1/A/004 ∠ + T, T,			•
D1/A/005 ≓ / T, T, B ⊗ G			100%
D1/A/006			
D1/A/007 ≓ / T, T,	н н н	н н	
O1/A/008			01/4/013
> 01/A/009 ≓ / T, T, 1 ⊗ G			
			Wyświeti szczegóły oprawy
		_	✓ Testy
			V Urtawienia oprawy
			Columnia oprany
			i i i i i i i i i i i i i i i i i i i
> 01/A/018 ⇒	 _ _ _ _ _ _ _ _ 	<u>t r r</u>	awaryjna dynamiczna ewakuacja usuń
> 01/A/019 ≓ + T _F T _A (2) ⊗ G			· 20%
> 01/A/020 ≠ 7 T, T, 1 8 8 5			· · · · · · · · · · · · · · · · · · ·
Zbiór powierzchni: IM Technologie	Powierzchnia: Nowa powierzchnia 1	Podgląd zbioru powierzchni D	odaj własny widok
Nowa powierzchnia 1 Nowa powierzchnia 2 Nowa powi	erzchnia 3 Nowa powierzchnia 4 Nowa powierzc	chnia 5	
TM Technologie admin (wylogui)			Tryb normalny 🖼 🖾 ol 🔻

The application window can be divided into the following sections:

- menu bar,
- list of fittings,
- background drawing with the location of fittings,
- navigation bar,
- list of surface groups,
- toolbar.

The **menu bar** allows the following actions:

Menu	Sub-menu	Action
File	Generate Status Report	Generating a report on the system status
	Close	Program closing
Edit	Central Stations	Management of central stations
	Surface Groups	Management of surface groups
View	Surface Group View	Switching to surface group view
	Topology View	Switching to topology view
Operations	Add Surface Group	Adding a new surface group
	Add Central Station	Adding a new central station
	Log out of the Central	Logging out of all central stations
	Station	

<u>File Edit View Operations Tools</u>

Tools	Create Backup	Creating and saving the program backup
	Settings	Configuration of program settings
	License Manager	License management

The **toolbar** is at the bottom of the window.

It shows the following states:

- currently selected central station with information about an active user,
- enabled filtering of the list of fittings,
- mode (normal/editing).

The bar allows to switch the view and change the language.

TM Technologie admin [logout] Filters set

Normal mode 📢 📖 en 🔻

The first time the user starts the program, they should:

- 1) install a license using the License Manager,
- 2) add and configure surface groups,
- 3) add and configure central stations,
- 4) arrange fittings in the background drawings,
- 5) configure automatic sending of reports to an e-mail address (optional),
- 6) configure automatic creation of program backup (optional).

4. License Manager

ELVIS is fully operational only with an active license file. In the absence of a license, the program has only basic functionality and it is not possible to check the status of a central station.

T License manager		×
License type Expiry date License type Expiry date LicenseType_20161228 12/28/2017 Delete LicenseType_20161118 12/31/2018 Delete	License type LicenseType201 Expiny date 12/28/2017 9:2 Centrals list 88-52-84-87-83	61228 8 AM Functionalities list Report generation Fitting Test firing for fittings
		Close

Limitations of program without a license for the central station:

- edit mode cannot be enabled,
- fitting, circuit and station status is not refreshed, lack of communication is shown for all the objects,
- fitting, circuit and station details are not available,
- report cannot be generated,
- no action of the fitting can be performed,
- fitting icon can be neither placed nor moved in the background drawings.

License can be added and removed via the License Manager (Tools -> License Manager). The Manager window contains a list of loaded license files. Click on a license file on the list to display information on the period of validity of the license, as well as central stations and functionality operated by the file.

In order to purchase a new license and if the user wants to renew their license, contact the Sales Department of TM Technologie.

5. Configuration of Surface Groups

📅 Add surface group	×
Add surface group	
Name Building	
Surfaces	
Ground floor	Surface name Ground floor
New surface 2	
Add	load
	Save Cancel

Select 'Operations' -> 'Add Surface Group' from the menu to open a window for adding a surface group.

Proceed as follows to add a surface group:

- enter a unique name of the surface group,
- add a new surface by clicking on 'Add...',
- specify the surface name (e.g. 2nd floor),
- assign a background drawing to the surface by clicking on 'Load' and selecting the appropriate file.

The background drawing must be a SVG (Scalable Vector Graphics) file.

• click 'Save' to confirm that the new group has been added.

In the case of mistake, it is possible to remove the surface by pressing the trash icon.

Once the group is added, it can be edited or removed using 'Edit' -> 'Surface Groups' on the menu bar.

NOTE! It is not advisable to use surfaces with too much details.

6. Configuration of Central Stations

📅 Edit central		×
Edit central		
Central name		
DATA 2		
IP address	Port	
172.16.2.66	9760	Test connection
🗸 Test OK		
Choose surface group		
TM Technologie	Warning! Changi	ng surface group will cause deletion ions.
		Save Cancel

Select 'Operations' -> 'Add Central Station' from the menu to open a window for adding a new central station.

Proceed as follows to add a new central station:

- enter any name identifying the central station and its IP address,
- set the port to the default value of 9760,
- test the connection using the 'Test Connection' button,

In the absence of connection, check the IP address of the central station and that the connection is not blocked by the system firewall.

• each central station must be assigned a surface group.

Click 'Save' to display the login window. Enter a login and a password of a user previously created for the added central station.

The central station cannot be added if the login data is incorrect or if there is no connection.

Central stations added to the system are displayed on the list of fittings.

Once the station is added, it can be edited or removed using 'Edit' -> 'Central Stations' on the menu bar.

7. Surface Group View

After assigning a surface group to the program, a 3D view of the group is created. The user can add and configure their own view of surface groups. Switch to another surface group to display its preview. If the user defined a custom view, it will be displayed in the program. Otherwise, the program will display a default view.

7.1 Default View



This is a preview created automatically after adding a surface group. It shows the projections of surfaces placed one below the other. If at least one error of fittings occurs, the corresponding surface will be highlighted in red. The user can zoom in/out and rotate the view. Click on the surface to go to the corresponding background drawing.

7.2 Custom View

This is a building preview created by the user. It shows the projections of surfaces according to user settings. If at least one error of fittings occurs, the corresponding surface will be highlighted in red. Click on the surface to go to the corresponding background drawing. Click on 'Add Custom View' to go to the window for adding own view/plan of the building. After entering the edit mode for custom view, the following buttons are available in the program:

- Add Label adding a text label to the preview,
- Add Polygon adding a polygon that maps the surface (confirmed by pressing Enter),
- Select Image selecting a background image,
- Save Changes saving changes to settings,

• Delete View – deleting a custom view and returning to the default view.



Additionally, the user can select the polygon colour palette, label font size, polygon colour, surface assigned to the polygon, as well as text prompts.

When adding a polygon, select its colour, assigned surface and, optionally, enter a text displayed after selecting the polygon. Click 'Delete' to delete the polygon.

When adding a label, enter a text to be displayed and select the font size. Click 'Delete' to delete the label.

8. Topology View

ELVIS				📅 TM TECHNOLOGIE 🗕 😐 🗙
<u>File Edit View Operations Tools</u>				
Expand / Collapse 🚏 Filters				66 ^
TOPOLOGY GROUPS				
🔳 TM TECHNOLOGIE 🔁 🔺				
🔤 BRIDGE 1 🛛 🔁 🖌 🗐 🔺				
► A 59 ▲				
> 01/A/001 ₹ 7 T, T, B 😣 🖬 E				
> 01/A/002 ≠ f T _F T _A	-83)			
> 01/A/003 ≓ ≠ T, T, â 88 🖥	9-94			
> 01/A/004 ≠ 7 T, T, 1 8 8 5	dge dge			
> 01/A/005 ₹ 7 T, T, 1 80 5				
> 01/A/006	cent cent	004 005 006 008 000 010 011 012 025		
→ 01/A/007 Z / T, T, E 80 T		004 005 000 008 009 010 011 012 025	1	
→ 01/A/008 Z / T, T, E 80 T		004 005 006 007 008 009 010 011 012	2 013 014 015 016 017 018 019 020 021 059 060 06	1 062 063 064 024 046 047 048 049
→ 01/A/009 Z / T, T, E 80 T		053 054 055 056 026 027 028 029 030	0 031 032 033 034 035 036 037 038 039 040 041 04	2 043 044 045
→ 01/A/010 ₹ 7 T _F T _A E ⊗ T	É .			
$\begin{array}{c} \hline \hline \end{array} \\ \hline \\ \hline$	~			Ŧ
	Surface group: Building	Surface	Create custom view	
TM Technologie (86-88-79-94-83)	16 III	BB	165	
Surface group: IM Technologie				
		and this and an and this and an		
	Nowa powierzchnia 1 Nowa powierzchr	ia 2 Nowa powierzchnia 3 Nowa powierzchn	Nowa powierzchnia 5	
IM lechnologie Not logged				Normal mode 📑 🕮 en 🔻

The topology view can be enabled by switching the type of view on the menu bar or toolbar.



Once the view is switched, the screen displays a quick view of the system in the form of blocks containing information about the connected centrals, distributors, stations, circuits and fittings. If an error occurs for a fitting with a given address, its address is displayed in red. Click the block with the fitting address to select the corresponding fitting on the list.

The user can switch between the horizontal and vertical view (icon in the upper right corner). Click the printer icon to print the view.

9. List of Fittings

The list of fittings shows fittings added to the system.

Click on the 'Expand / Collapse' button to expand or collapse the list of fittings.

The 'Filters' button is used to enable the option of filtering the list of fittings by preset parameters, such as selected errors, central stations, distributors. Click on 'Clear filters' to delete all filters.

Filter settings	X
Data2	Centralna bateria
> Centrals	> Centrals
Deselect all DATA 2 (91-66-97-90-83)	Deselect all TM-CB A (90-44-97-96-82)
☑ D2 RnD (88-52-84-87-83)	CB RnD (90-44-83-87-83)
> Bridges	> Stations
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 Clear filters	Communication error Power error In test Test error Battery powered
> Fittings	Charger error Deep discharge
Fault fitting Connection error	Clear filters
Power error F test error Test F delayed A test error Test A delayed Battery error Light source error Blocked fitting Fitting inactive Is glowing Clear filters	 Circuits Communication error Controller error In test Test error Power measure error Circuit disabled Clear filters Fittings With error
	No test Fitting inactive Clear filters

9.1 DATA 2 system

The list can be presented in two ways:

• **Topology** – central stations constitute the main element of the list. Central stations include distributors (C-Bridge) divided into channels (A/B/C/D). Channels include fittings sorted by address.

This is exactly the same as in the control unit for fittings.

• **Groups** – central stations constitute the main element of the list. Each central station includes three types of groups (test, night, and fire and emergency groups). Groups includes fittings assigned to them.

Possible list items:

- **Central station** contains information about the system status and communication with it. Click this item to display additional information below the list (serial number, assigned surface group, central station response time). It is possible to send commands to all fittings of the central station. A red symbol indicates an error.
- **Group** (test / night / fire and emergency group) contains fittings assigned to the group. It is possible to send commands to all fittings of the selected test group.
- **Distributor** (C-Bridge) contains information about the distributor state, communication with a central station, power status, and battery status. Click this item do display the date of the last update of the status of fittings connected to the distributor. It is possible to send commands to all fittings of the selected distributor. A red symbol indicates an error.
- **Channel** (A/B/C/D) shows fittings connected to the channel of individual distributors. It is possible to send commands to all fittings on the channel. A red icon of the channel informs that at least one erroneous fitting is present on the channel.
- Fitting contains information about the fitting status. It is possible to send commands to the fitting after logging in to the program. If the fitting was removed from the central station and it is still present on the list of fittings (highlighted in black), it can be deleted by right-clicking on it and selecting 'Delete'.

Each fitting item on the list informs on:

- general fitting state (D OK, D error),
- physical address of the fitting displayed as, e.g. 01/A/02, meaning that the fitting has the address 2, is connected to the C-Bridge distributor 1, to the channel A,
- communication status (<- OK, <- no communication),
- power status (OK, power failure),
- function test status (T OK, I in test mode / postponed, T error),
- autonomy test status (TA OK, TA in test mode / postponed, TA error),
- battery status (📋 OK, 📋 charging, 📋 error),
- light source status (🐼 OK, 🥺 lights, 🔗 error),
- fitting lock (🔓 unlocked, 🕞 locked).

Expand / Collapse 🕎	Expand / Collapse 💎 Filters		Filters
TOPOLOGY	GROUPS	TOPOLOGY	GROUPS
TM TECHNOLOGIE	$\stackrel{\rightarrow}{\rightarrowtail} \qquad \checkmark$	📩 🕅 TM TECHNOLOGII 🖬	± ⊿ ^
BRIDGE 1	₹ ∮ 🗄 4	★ TEST	4
> A	59 🔺	★ TEST 1	⊳
> 01/A/001 ₹ 4	T, T, 🖹 😣 🖬	E 🟃 TEST 2	₽
> 01/A/002 ₹ 4	T, T, 🗎 😣 🖬	★ TEST 3	₽
> 01/A/003 ≓ 4	T, T, 🗎 🙁 🖬	🏃 TG 4	Þ
> 01/A/004 ≓ 4	T, T, 🗎 🙁 🖬	📩 TG 5	4
> 01/A/005 ≓ 4	T, T, 🗎 🙁 🖬	> 01/A/024 ₹ 4	T, T, 🗎 🙁 🖬 🛓
> 01/A/006 ₹ 4	T, T, 🗎 🙁 🖬	> 01/A/046 ₹ 4	T, T, 🗎 🙁 🖬
> 01/A/007 ≓ 4	T, T, 🖹 😣 🖬	> 01/A/047 ₹ 4	T, T, 🖹 🙁 🖬
> 01/A/008 ₹ 4	T, T, 🖹 😣 🖬	> 01/A/048 ₹ 4	Tr T, 🖹 🙁 🖬
> 01/A/009 ₹ 4	T, T, 🗎 😣 🖬	> 01/A/049 ₹ 4	T, T, 🗎 🙁 🖬
> 01/A/010 ₹ 4	T, T, 🗎 🙁 🖬	> 01/A/050 ₹ 4	T, T, 🖹 🙁 🖬
> 01/A/011 ≓ 4	T, T, 🗎 🙁 🖬	> 01/A/051 ₹ 4	T, T, 🖹 🙁 🖬
> 01/A/012 ₹ 4	T, T, 🗎 🙁 🖬	> 01/A/052 ₹ 4	T, T, 🗎 🙁 🖬
> 01/A/013	T, T, 🗎 🙁 🖬	> 01/A/053 ₹ 4	T, T, 🗎 🙁 🖬 👘
> 01/A/014	T, T, 🗎 🙁 🖬	> 01/A/054 ₹ 4	T, T, 🗎 🙁 🖬
> 01/A/015	T, T, 🗎 🙁 🖬	> 01/A/055 ₹ 4	T, T, 🖹 😣 🖬
> 01/A/016	T, T, 🗎 🙁 🖬	> 01/A/056	T, T, 🖹 😣 🖬
> 01/A/017 ≓ 4	T, T, 🗎 😣 🖬	• TG 6	Þ 🗸

The user can send the following commands to fittings:

- enable function test,
- enable autonomy test,
- cancel tests in progress or pending tests,
- lock the fitting,
- unlock the fitting.

9.2 TM-CBA system

The list can be presented in two ways:

- **Topology** central stations constitute the main element of the list. Central stations include stations divided into circuits. Circuits include fittings sorted by address. This is exactly the same as in the control unit for fittings.
- **Groups** central stations constitute the main element of the list. Each central station includes night groups. Groups includes circuits assigned to them.

Possible list items:

- **Central station** contains information about the system status and communication with it. Click this item to display additional information below the list (serial number, assigned surface group, central station response time). A red symbol indicates an error.
- Group (night) contains circuits assigned to the group.
- Station contains information about the station state. A red symbol indicates an error.
- **Circuit** contains information about the circuit state. A red symbol indicates an error.

• Fitting – contains information about the fitting status. If the fitting was removed from the central station and it is still present on the list of fittings (highlighted in black), it can be deleted by right-clicking on it and selecting 'Delete'.

Each station item on the list informs on:

• station status (🔤 - station ok, 🔜 - station error.

Station error indicates one of the following errors:

- general error,
- long test error,
- circuit error,
- communication status (🔁 ok, 🔁 no communication),
- power supply status (🖆 basic power supply, 🛃 no basic power supply),
- test status (🛄 last test correct, 🚺 station test in progress, 🚺 test error),
- battery mode (💷 normal operation, 트 battery mode),
- charger state (🙆 no charging, 🔨 charging in progress, 🙆 charger error),
- deep discharge (🔯 batteries are in working order, 🔯 batteries after deep discharge),
- service mode (🗖 station is not in service mode, 🗊 station is in service mode).

Each circuit item on the list informs on:

- general circuit state (🚰 ok, 🕌 disabled or unconfigured, 🛃 error),
- physical address of the circuit, e.g. 01/12A, which informs that it is the circuit A on the controller no. 12 on the substation no. 1),
- communication status (🔁 ok, 🔁 error),
- circuit output voltage (no voltage, 🗐 DC, 🖌 AC),
- card state (. ok, . ok, . error),
- default operating mode of the circuit (OFF disabled or unconfigured, M non-maintained operation),
- circuit test status (🔟 test ok, 🚺 test in progress, 🚺 test error),
- result of current measurement in the last test (🔯 result ok, 轮 error),
- circuit off state (circuit is disabled, circuit is enabled); the circuit signals the off state when it is:

- unconfigured,
- disabled,
- in service mode.

Fittings designation:

- **>** fitting ok,
- Eitting added and untested,
- **>** faulty fitting,
- **DIP** fitting operates according to dipswitch settings on the address module,
- fitting configured for maintained operation (the circuit must also operate in maintained mode),
- fitting configured for non-maintained operation.

10. Fitting Management

Once the license is installed and surface groups and central stations are configured, the fittings must be arranged on the building plans (added surfaces).

By dragging the fittings from the list and dropping them on the surface, the user enables the editing mode and the program will ask them to log in. Enter the username and the password which are the same as for the central station account. After dragging the fitting, select its type (emergency, evacuation, or dynamic fitting).

It is also possible to add fitting (after logging in) by right-clicking on the surface and selecting the 'Place fitting' option. In the window, select the central station and enter the address of fitting to be added (e.g. '1/2a/7', '1b35' or '1/b/35'). The possible separators are slash and backslash, period, comma, underscore, minus and colon.

Fittings added to the surface can be:

- moved (by dragging the fitting symbol and dropping it in other place),
- deleted (using the navigation bar),
- resized (using the navigation bar),
- activated (after clicking the fitting on the surface it will be selected on the list of fittings)
 only DATA 2 fitting.

If the fitting symbol turns red, it means that an error occurred. A yellow glow around the fitting (DATA 2) indicates that the fitting is lit.

11. Navigation Bar

The navigation bar consists of the following four elements:

• Navigation – contains a miniature of the selected surface. After appropriate magnification, the currently displayed view can be moved in the main window. The slider allows to change the zoom in or zoom out value.



• Info – information about the currently selected object. The window displays the object address and status. It is possible to read the object details.



• **Tests** – allows to trigger some action for the selected fitting (enabling or cancellation of tests, locking or unlocking the fitting). Only DATA 2 fittings.



• Fitting settings – allows to change the type of the fitting, delete or resize the fittings displayed on the surface.



12. Details

12.1 Fitting Details



After logging in, click on 'Display fitting details' on the navigation bar to display additional information about the selected (DATA 2) fitting:

- date and duration of the last power failure,
- date and duration of the last function test,
- date and duration of the last autonomy test.

The 'Refresh' button is used to update the state of the fitting parameters. More parameters is available for TM Technologie's service personnel.

12.2 Station Details

After logging in, click on 'Show detailed info for station' on the navigation bar to display additional information about the selected station:

- measurements,
- settings,
- errors.

The 'Refresh' button is used to update the state of the station parameters.

Parameter	Value	
AC voltage	224 V	
DC voltage	238.5 V	
Symmetry voltage	119 V	
Station current	0 A	
Charging current	0 A	1
Battery temperature	19 °C	
Mains	29 h 27 min	
Battery capacity	7 Ah	
Shutdown voltage	188 V	
Circuit shutdown voltage	189 V	
Charging error	no	
Circuits error	no	
Unconfigured circuits	no	
Charger status	ok	
Phase monitor	0-0-0	
Number of circuits	24	
Number of fittings	61	
Duration test error	00	

12.3 Circuit Details

After logging in, click on 'Show detailed info for circuit' on the navigation bar to display additional information about the selected circuit:

- measurements,
- settings,
- errors.

The 'Refresh' button is used to update the state of the circuit parameters.

Defreeh	Parameter	Value	*
Neiresn	Communication	ok	
	Circuit status	ok	
	Mode	dark	
	Circuit supply	none	
	Group	not set	
	Duration	3 h	
	Test	ok	
	Reference current	247 mA	=
	Measured current	250 mA	
	Power tolerance	10 %	
	Fittings error	error	
	Number of fittings	11	
	I/O configuration	unconfigured	
	Delay after breakdown	0 min	
	No basic power supply	no	_
	Ac fuses error	no	
	Dc fuses error	no	
	Ground fault	no	-

13. Generating a Report

Select 'File' -> 'Generate Status Report' on the menu bar to display the window for generating a report on the system status. The user selects whether the generated report is to contain the status of all fittings or only those that contain an error. Click the 'Generate' button and select the name and location where the report will be saved. The report is generated as a PDF file. In the program settings, the user can configure automatic generation and sending of reports to a given e-mail address.

Report generator			×
Settings All fittings			
Fault fittings only			
Centrais	C. S. Lawrence	C 111	
Name	Serial number	Status	
TM Technologie	86-88-79-94-83		
			Generate Close

14. Program Settings

The Program Settings window is available after selecting 'Tools' -> 'Settings' on the menu bar. The following three tabs are then available:

- Reporting configuration of automatic generation of reports,
- Synchronization configuration of the refresh rate of data from central stations. The available range of settings is 30-120 seconds.
- Backup configuration of automatic generation and recording of program data backup (selectable cycle and time of generation).

Application settings	
Reporting Synchronization Backup	Backup Daily at 10 : 10
Application version:	1.0.3.537 Save Cancel Apply

After changing the settings, click the 'Apply' button. Click on 'Save' to save changes and exit the window. Click on 'Cancel' to cancel the changes and exit the window.

The window contains information about the current software version.

14.1 Automatic Generation of Reports

Application settings			_	
Reporting	Reporting			
Synchronization Backup	Next report number 34	/ 2017		
	 Turn on periodic report sending Report e-mail recipients 	9		
	test@tmtechnologie.pl			A. •
	Addresses separated with comma Sending options			
	SMTP server address smtp.poczta.onet.pl	Port 587	Use SSL	
	E-mail address	Password		
	service@tmtechnologie.pl Send time	•••••		Test message
	Weekly very Fri	day 🔻 at	16 : 00	
Application version:	1.0.3.537		Save	el Apply

The user can configure automatic generation and sending of reports to a given e-mail address. Reports will be sent periodically, depending on the configuration:

- monthly (selectable day of the month and hour),
- weekly (selectable day of the week and hour),
- daily (selectable hour).

To enable automatic sending of reports in the program, check the box 'Turn on periodic report sending'. The user must fill in the following fields:

- e-mail addresses to which reports will be sent (multiple addresses must be separated by commas),
- address and port of the outgoing mail server (SMTP),
- select whether the connection will use SSL encryption,
- e-mail account address and password,
- cycle, date and time of sending reports.

After configuration, click on 'Test message'. After the correct configuration of the mailbox, the user will receive information that the test message was sent to the addresses provided.

NOTE! Automatic generation and sending of reports is possible only when ELVIS is enabled at a specified time.

15. ELVIS Online

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If the ELVIS Online module was installed together with the main application, the user can view the system status on all devices connected to the same local network as the computer on which the ELVIS application is installed. After typing the computer's IP address in the browser as **address:8080**, a website containing a list of central stations added to ELVIS will appear. Each central station shows information about the connected C-Bridge distributors. Click on the channel or number of fittings to go to a website containing information about fittings.

NOTE! The website is available only when ELVIS is enabled at a specified time.

16. Closing Remarks

- After entering login details to one of the central stations, these details will be used when trying to connect with other central stations.
- Only one ELVIS can be connected with one central station at the same time.
- When using ELVIS, it is recommended not to be logged in to central stations installed on the monitored building.
- The program should be made available only to authorised persons.

17. System requirements

Minimal system requirements:

- MS Windows 7, Windows 8 or Windows 10,
- Intel Core i5 processor or similar,
- 4GB RAM,
- 5 GB disk space,
- Graphic card Nvidia GeForce 7000 series with 512MB or similar,
- Main monitor with screen resolution 1280x1024.

Recommended system requirements:

- MS Windows 7, Windows 8 or Windows 10,
- Intel Core i7 processor or similar,
- 8 GB RAM,
- 10 GB disk space,
- Graphic card Nvidia GeForce 8000 series with 1024 MB or similar,
- Main monitor with screen resolution 1600x1200.

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