User manual MTinfo 3000 web



İİ Duallnventive Ubiquitous Rail

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1 REMOTE SWITCHING

MTinfo 3000 allows a user to switch devices remotely via a mobile application or a web browser.

By default, a company can switch only one protection zone at a time but it is possible to enable switching of multiple protection zones at once for one or more specific companies.

This setting can only be changed by the MTinfo 3000 administrator of your company. When this setting is switched 'on', users must refresh their screen in order to see the change activated.

It is not possible to switch 'off' this setting when released projects are present for the particular company.



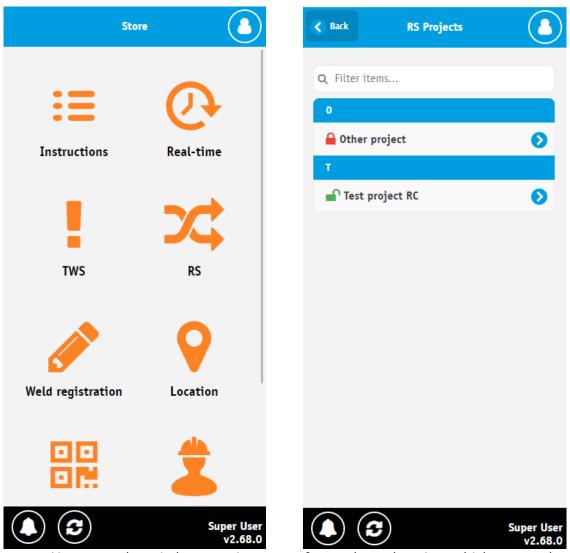
NOTE

This manual describes the switching of one or multiple protection zones. The creation or administration of protection zones is not impacted due to this functionality.

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1.1 Mobile app – Single zone switching

1. On the start page, tap the 'RS' tile and then tap the project for which you want to switch a zone.



a. You can only switch protection zones for a released project which are marked with a green open lock icon. Unreleased projects have a red closed lock icon.

2. Tap the protection zone you want to switch. Tap the "+" icon to show the devices assigned to the protection zone.

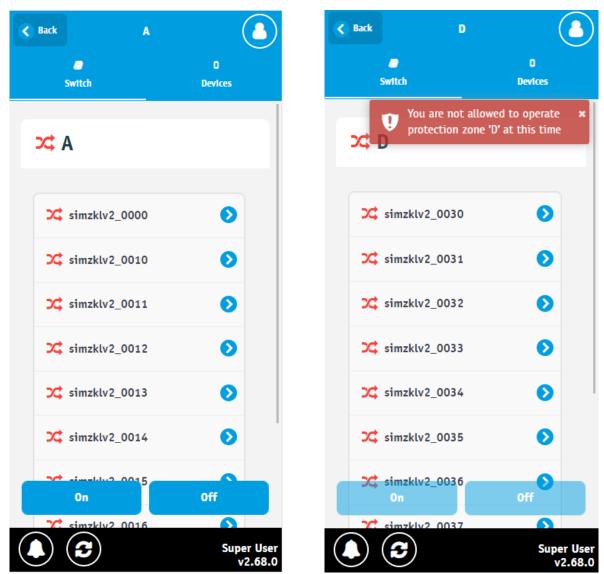
K Back	Test projec	t RC	
	9 Status	0 Devices	
The proje		lowed to acces	s x
Q Filte	r items		
A			
0 >	¢A		
В			
• •	¢ B		
No o	devices assigned to	protection zon	e
С			
•	¢ C		
D			
0 >	¢D		
	8	Su	per User v2.68.0

- a. If a protection zone has no devices, the zone is disabled and the message "No devices assigned to protection zone" is shown.
- b. If you are not an operator assigned to the protection zone you will see the error "You are not allowed to access the page" when you click on the projection zone.
- c. Device data is updated in real time.

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3. Tap "on" or "off" to respectively switch the devices in the protection zone on or off.



- a. The protection zone icon is colored green if all devices within the zone are successfully activated, red if not all devices are currently activated or if a device is reporting problems. If the status is unknown, it will be colored light grey.
- b. The latest status of all devices in the protection zone is indicated by an icon ²⁴.
 i. Light grey indicates the status is unknown.
 - ii. Green indicates the device is currently successfully activated and no problems are reported.
 - iii. Red in all other cases.
- c. If you are not allowed to operate the protection zone at the current time, the on/off buttons will be disabled and the error "You are not allowed to operate zone 'X' at this time" will be shown. Refresh the page to recheck using the refresh button at the bottom of the screen.
- d. Device data is updated in real time.

4. Tap the proper letters to spell "on" or "off" depending on the action you chose, enter your pin code and tap "Switch" to continue or "Cancel" to abort.

S Back	Switch on						
You are a	about to switch devices	in					
	Type 'ON' to continue						
	N						
N	0 5 0	В					
	Q						
Enter your	pin code						
••••							
	Switch						
	Cancel						
		Super User v2.68.0					



5. A loading screen is shown while the request is being processed. When the request is processed, the result is shown.

When the request is successful the result will be similar to the example below:

Sack	Switch on		Back	A - Switch on	
You are	about to switch devices in		Switche A	d devices on in protection zone	
0	Type 'ON' to continue		All devi success	ices have been switched fully.	
N		в		ОК	
The reque	st has been sent and is bein (please do not close the ap				
Enter you	r pin code				
••••					
	Switch				
	Cancel				
		Super User v2.68.0		Su	iper User v2.68.0

In case there are errors and/or warnings, the result will be similar to the example below:

Switch on		🔇 Back	A - Switch on	
You are about to switch device	is in	Switch A	ed devices on in protection zo	one
Type 'ON' to contin ON	nue	[514] or war	There are one or more devic nings	e errors
	св	Warnir	ngs / Errors	
The request has been sent and is (please do not close th		simz	klv2_0010	
			Key switch is not in the operational positi switching is not possible	on. 🕕
		[20010 activat	24] Short circuit was already present upon ion	0
Enter your pin code			klv2_0012	
••••		[20010	30] Main bat. status is low	0
Switch			ОК	
Cancel				
	Super User v2.68.0			Super User v2.68.0

- a. Errors and warnings are grouped per device.
- b. Follow the instruction provided in the error/warning to resolve the issue, if this does not solve the problem contact Dual Inventive Support.
- 6. Tap "OK" to return to the "Switch zone" page.



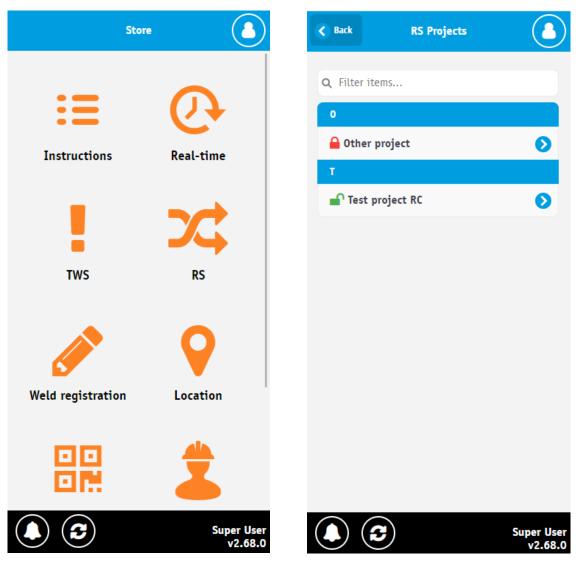
1.2 Mobile app – Multiple zone switching

ΝΟΤΕ

It is only possible to switch multiple zones at once if this setting is enabled for your company.

This setting can only be changed by the MTinfo 3000 administrator of your company.

On the start page, tap the `RS' tile and then tap the project for which you want to switch a zone.



a. You can only switch protection zones for a released project which are marked with a green open lock icon. Unreleased projects have a red closed lock icon.

2. Tap one or more protection zones you want to switch or use the "select all" button to check/uncheck all protection zones. Then tap "Switch" to continue.

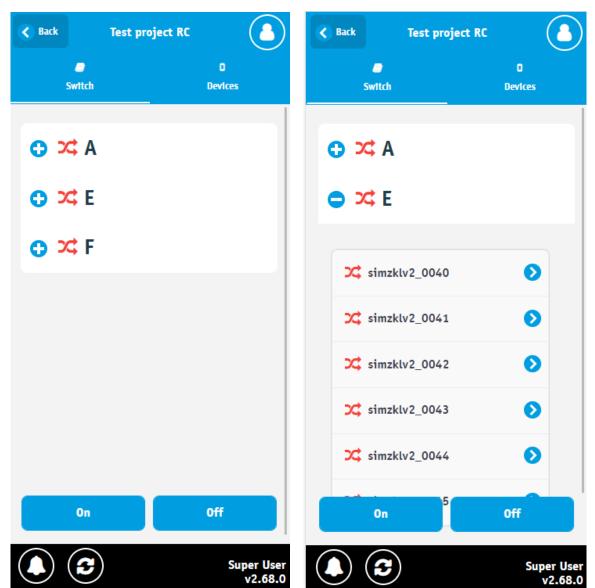
C Back Test project	rc 💧	C Back Test project RC
and the second s	D Devices	C C Status Devices
The project is: active		The project is: active
Select all		Select all
Switch		Switch
Q Filter items		Q Filter items
^		^
B		в
		➡ ≍ B
c 🗘 🔿		No devices assigned to protection zone
0		ι c
😋 🗆 🛪 D		➡ x\$ C
E C Z Z E		You are not an RC operator for protection zon
F		stmzklv2_0020
	Super User v2.68.0	simzklv2_0021

- a. If a protection zone has no devices, the zone is disabled and the message "No devices assigned to protection zone" is shown.
- b. If you are not an operator assigned to the protection zone, the zone is disabled and you will see the message "You are not an operator for protection zone 'X'".
- c. If you are not allowed to switch at the current time, the zone is disabled and you will see the message "You are not allowed to operate protection zone 'X' at this time.".
- d. Device data is updated in real time.

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3. Tap "on" or "off" to respectively switch the devices in the selected protection zones on or off. Tap the "+" icon to show the devices assigned to the protection zone.



- a. The protection zone icon is colored green if all devices within the protection zone are currently successfully activated,
 - i. red if not all devices are currently activated or if a device is reporting problems.
 - ii. If the status is unknown, it will be colored light grey.
- b. The latest status of all devices within the protection zone is indicated by an icon
 - i. Light grey indicates the status is unknown.
 - ii. Green indicates if the device is currently successfully activated and no problems are reported.
 - iii. Red in all other cases.
- c. You can click the devices for more details.
- d. Device data is updated in real time.

4. Tap the proper letters to spell "on" or "off" depending on the action you chose, enter your pin code and tap "Switch" to continue or "Cancel" to abort.

< Back	Switch on	
You are about t	o switch devices in	
Α		
E		
F		
т	ype 'ON' to continue	
0 N	ype on to continue	
	B N O	s
	C	
Enter your pin coo	de	
••••		
	Switch	
	Cancel	
		Super User v2.68.0



5. A loading screen is shown while the request is being processed. When the request is processed, the result is shown.

When the request is successful the result will be similar to the example below:

K Back	Switch on		S Back	Test project RC - Switch on	
You are	e about to switch devices in			l devices on in protection zones	
E			A E		
F			F		
0	Type 'ON' to continue		All devi	ces have been switched successfull	у.
The request	has been sent and is being process not close the app)	sed (please do		ОК	
Enter you	ır pin code				
••••					
	Switch				
	Cancel				
		Super User v2.68.0		Si	uper User v2.68.0

In case there are errors and/or warnings, the result will be similar to the example below:

Back Switch on		S Back	Test project RC - Switch on	
You are about to switch devices in		F		
A				
E				
F		[514] or war	There are one or more device on nings	errors
Type 'ON' to continue				
		Warnin	ngs / Errors	
		A		
The request has been sent and is being pro not close the app)	cessed (please do		2_0010: [1062] Key switch is not in the onal position. Remote switching is not possible	• 🕕
			2_0010: [2001024] Short circuit was already upon activation	0
			2_0012: [2001030] Main bat. status is low	٢
		E		
Enter your pin code		F		
••••		simzktv	2_0026: [2001031] Main bat. status is critical	0
Switch			ок	
Cancel				
	Super User v2.68.0			Super User v2.68.0

- a. Errors and warnings are grouped per protection zone and then per deviceb. Follow the instruction provided in the error/warning to resolve the issue, if this does not solve the problem contact Dual Inventive Support.
- 6. Tap "OK" to return to the "Switch zone" page.

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1.3 Web application – Single zone switching

1. On the start page, click the 'Projects' tile or select 'Projects' in the 'Work management' menu at left of the screen. Search for the project for which you want to switch a protection zone and click the project to view it.

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•	Good morning	Good morning					
۶	Super User Dual Inventive Te	-	🔘 Return - Test proj	ect 16 hours ago			
49		C .			O Release - RCO RC		
•	Work management <			Projects		3 weeks ago	
æ	Templates	anagement	Support	Projects	O Plan - FT Project F	6 months ago	
•	✓ Weld registrations						
<u>~</u>	Real time status	Jsers	User roles	Companies			
۰		-					
	Knowledgebase R	eports	Monitoring	Uncipht			
			5	Insight			
	Timesheet						
ر ې	=				Super User Dual Inventiv	e Test	
4	Search project					^	
æ	Home > Project	ts				dev-0.0.0 ②	
49	_						
-	Filter +						
•	Project name	Reference Comp Dual	nventive Test RC	Status 🔶 Start Date	 Design Planning Output /ul>	Actions	
e	Test Showing 1 to 1 of	1 rows				_	
•	Reference 😑						
•	Project type 😑						
	Regular RC						
	TWS						

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2	2. Click the "Switch Protection zone" ≢ button.								
ථ	=					٠	Super User Dual Inventive Test	2	•
د بر	View project								^
	Home > Pr	ojects 📏 Test project					dev	/-0.0.0 ❷	
4	Setup	✓ Design	🗸 Planning	:	Documents		Project log		
>									
Ø	 Image: A second s	RELEASE	RETURN						
1	PROJECT INFO		PRO	JECT TA	SKS				
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∠	····,·································		A	Setup	Super User				
¢	Company Dual Inve	entive Test		esign	Super User				
*	Reference			erify Desi					
	Reference			'alidate De Ian	· ·				
	Project type RC		-	rian /erify Plan	Super User ning Super User				
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	Start Date 01-06-22			ease	Super User				
			Ret	urn	Super User				
	Site Leader -								
	Project Planner -		UN	ASSIGNE	O SETUP USERS				*

a. You can only switch protection zones for a released project. If the project is not released the button will be disabled.

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3. Click on the "Switch" button of the protection zone you want to switch to continue.

ථ	=			a Suj Dua	Der User				
▲ ⊮	Switch protection zone(s) - Test project	et RC			A				
	Home > Projects > Test project RC > Switch protection zone(s)								
0 1	5	2							
*	Protection zones	Switch							
•	A	в	c	D					
•	SWITCH		SWITCH	Switch					
	X Deactivated X simzkV2_0000 X simzkV2_0010 X simzkV2_0011 X simzkV2_0011 X simzkV2_0013 X simzkV2_0013 X simzkV2_0014 X simzkV2_0014 X simzkV2_0016 X simzkV2_0017 X simzkV2_0018	X Deactivated	 Deactivated Simzklv2_0020 Simzklv2_0021 Simzklv2_0022 Simzklv2_0023 Simzklv2_0024 Simzklv2_0024 Simzklv2_0025 Simzklv2_0026 Simzklv2_0027 Simzklv2_0027 Simzklv2_0028 	 Deactivated Simzklv2_0030 Simzklv2_0031 simzklv2_0031 simzklv2_0032 simzklv2_0034 simzklv2_0034 simzklv2_0035 simzklv2_0036 simzklv2_0037 simzklv2_0038 simzklv2_0039 					
	E SWITCH	F	G ∎⁰ SWITCH						

- a. If you are not an operator assigned to the protection zone or if you are not allowed to switch it at this time, it will be disabled. The "Switch" button will contain a closed lock icon and hovering over the button will show a tooltip why it is disabled.
- b. Click "Show devices" to see which devices are contained in the protection zone.
- c. The status of the zone will be indicated by an icon $\stackrel{\varkappa}{\sim}$.
 - i. A light grey color indicates the status is unknown.
 - ii. A green color indicates all devices within the zone have been activated and have no errors.
 - iii. Red in all other cases.
- d. The status of each device will be indicated by an icon $\stackrel{1}{\sim}$.
 - i. A light grey color indicates the status is unknown.
 - ii. Green indicates the device is activated and no problems are reported.
 - iii. Red in all other cases.
- e. Data is NOT updated in real time. It shows the last known status when the page opened.

5. Click "on" or "off" to respectively switch the devices in the protection zone on or off. Confirm the action by typing "on" or "off", enter your pin code and click "Switch" to continue or "Cancel" to abort.

ථ	=			٠	Super User Dual Inventive Test	2 :
ا بر	Switch protection zone(s) - Test project RC					
е		Home 🗦 Projects 🗦 Test project RC 🗦 Switch pro	tection zone(s)			v5.64.0 🕑
•	¢	1 2	*			
1		Protection zones Switch				
•						
2		You are about to switch devices in A	Devices Real-time status			
٠		Select action	A			^
		ON OFF	☆ simzkiv2_0000 (ZKL 3000 RC) ☆ simzkiv2_0010 (ZKL 3000 RC)			
		Type 'on' or 'off' to continue *	C simzklv2_0011 (ZKL 3000 RC)			
		on	⊠ simzklv2_0013 (ZKL 3000 RC) >⊄ simzklv2_0014 (ZKL 3000 RC) >⊄ simzklv2_0015 (ZKL 3000 RC)			
		Enter pin code to execute action *	<pre>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>></pre>			
			24 simzkiv2_0018 (ZKL 3000 RC)			
		SWITCH CANCEL				

- - i. Light grey indicates the status is unknown
 - ii. Green indicates the device is activated and no problems are reported.
 - iii. Red in all other cases.
- b. Device data is updated in real time.



6. The result of the action is shown.

When the request is successful the result will be similar to the example below:

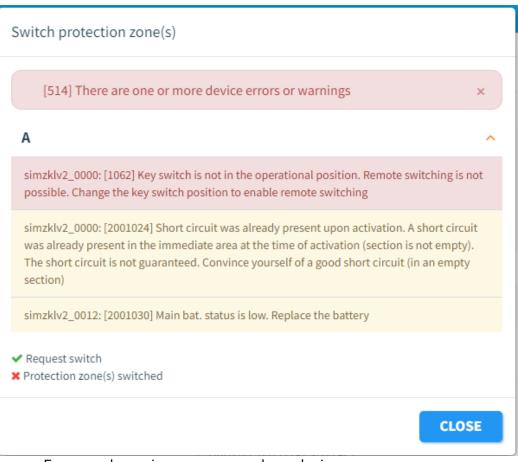


In case there are errors and/or warnings, the result will be similar to the example below:

Switch protection zone(s)	
[514] There are one or more device errors or warnings	×
Α	~
 ✓ Request switch ➤ Protection zone(s) switched 	
	CLOSE

- a. A result message is shown:
 - i. A green color indicates everything went well
 - ii. A yellow color indicates switching succeeded, but one or more devices reported a warning.
 - iii. A red color indicates one or more devices did not switch successfully and reported an error.

7. In case of errors/warnings: click the name of the protection zone to show the error / warning details.



- a. Errors and warnings are grouped per device.
- b. Follow the instruction provided in the error/warning to resolve the issue, if this does not solve the problem contact Dual Inventive Support.



1.4 Web application – Multiple zone switching



ΝΟΤΕ

It is only possible to switch multiple zones at once if this setting is enabled for your company.

1. On the start page, click the 'Projects' tile or select 'Projects' in the 'Work management' menu at left of the screen. Search for the project for which you want to switch a protection zone and click the project to view it.

ථ	=				Super User Dual Inventiv	e Test
▲ ۶	Good mo Super Dual Inven	orning User Itive Test			My MTinfo	oject 16 hours ago
43 10 19 10 19 40 10 19 40 10 19 19 19 19 19 19 19 19 19 19 19 19 19	Work management Projects Templates Weld registrations Weld registrations Real time status Knowledgebase Knowledgebase	Asset Management	Support User roles	Projects Projects Companies	 Release - RCO R Plan - FT Project 	C 3 weeks ago
යා *	≡ Search project				Super Us Dual Inven	tive Test
≁ 43	Home	Projects				dev-0.0.0 🧿
9 8 1 2 3 8	Project name 😑 Tes	vject name	 Company Type Dual Inventive Test RC 	Image: status Image: status Image: status I	Design Plannin	Actions

- 2. Click the "Switch Protection zone" button. Super User ථ 8 Δ 4 View project ۶ Home > Projects > Test project dev-0.0.0 🕑 **#** ✓ Design ✓ Planning Documents **Project log** Setup Þ 0 RETURN 1 PROJECT INFO PROJECT TASKS Task Users Project name Test project A Setup Super User Company Dual Inventive Test Design Super User ø Verify Design Super User Reference • Validate Design Super User Plan Super User Project type RC Verify Planning Super User Validate Planning Super User Start Date 01-06-22 Release Super User Return Super User Site Leader -Project Planner -UNASSIGNED SETUP USERS
 - a. You can only switch protection zones for a released project. If the project is not released the button will be disabled.

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3. Check the zone(s) you want to switch by clicking it and then click on "Switch" to continue.

ථ	E Super User Dual Inventive Test A Dual Inventive Test
ا ب	Switch protection zone(s) - Test project RC
43	Home > Projects > Test project RC > Switch protection zone(s)
•	
9 10	Protection zones Switch
₀ ⊻	Select all
•	Image: A marked bit in the second
	Show devices Show devices Show devices
	Show devices Show devices simzklv2_0046
	simzklv2_0047 🔀
	simzklv2_0048 🔀
	Hide devices

- a. If a protection zone is disabled, the header will contain a closed lock icon and hovering over the header will show a tooltip why it is disabled.
- b. The protection zone will be disabled if:
 - i. you are not an operator assigned to the protection zone
 - ii. you are not allowed to switch it at this time
 - iii. there are no devices assigned to the protection zone.
- c. Multiple zones can be selected.
- d. Click "Show devices" to see which devices are contained in the protection zone.
- e. The status of the protection zone will be indicated by an icon $\stackrel{\mathbf{x}}{\sim}$.
 - i. A light grey color indicates the status is unknown.
 - ii. A green color indicates all devices within the zone have been activated and no errors are reported.
 - iii. Red in all other cases.
- f. The status of each device will be indicated by an icon $\stackrel{1}{\sim}$.
 - i. A light grey color indicates the status is unknown.
 - ii. Green indicates the device is activated and no problems are reported.
 - iii. Red in all other cases.
- g. Data is NOT updated in real time. It shows the last known status when the page opened.

5. Click "on" or "off" to respectively switch the devices in the protection zone on or off. Confirm the action by typing "on" or "off", enter your pin code and click "Submit" to continue or "Cancel" to abort.

ථ		Super User Dual Inventive Test
ء بر	Switch protection zone(s) - Test project RC	
é.	Home > Projects > Test project RC > Switch protection zone(s)	v5.64.0 🕑
14 C II 8	Protection zones Switch	
a N	You are about to switch devices in Devices Real-time status	
۰	E A	^
	Select action \$\sim zklv2_0000 (ZKL 3000 RC) ON OFF Type 'on' or 'off' to continue * \$\sim zklv2_011 (ZKL 3000 RC) on \$\sim zklv2_011 (ZKL 3000 RC) imzklv2_011 (ZKL 3000 RC) \$\sim zklv2_011 (ZKL 3000 RC) \$\sim zklv2_001 (ZKL 3000 RC) \$\sim zklv2_001 (ZKL 3000 RC) \$\sim zklv2_001 (ZKL 3000 RC) \$\sim zklv2_001 (ZKL 3000 RC) \$\sim zklv2_001 (ZKL 3000 RC) \$\sim zklv2_001 (ZKL 3000 RC) \$\sim zklv2_001 (ZKL 3000 RC) \$\sim zklv2_001 (ZKL 3000 RC) \$\sim zklv2_001 (ZKL 3000 RC) \$\sim zklv2_001 (ZKL 3000 RC) \$\sim zklv2_001 (ZKL 3000 RC) \$\sim zklv2_001 (ZKL 3000 RC)	
	E SWITCH CANCEL F	~

- a. The status of each device in the protection zone is indicated by an icon [×]: i. Light grey indicates the status is unknown
 - ii. Green indicates the device is activated and no problems are reported.
 - iii. Red in all other cases.
- b. The first protection zone is expanded, the other zones can be opened to show the devices contained within.
- c. Device data is updated in real time.



6. The result of the action is shown.

When the request is successful the result will be similar to the example below:



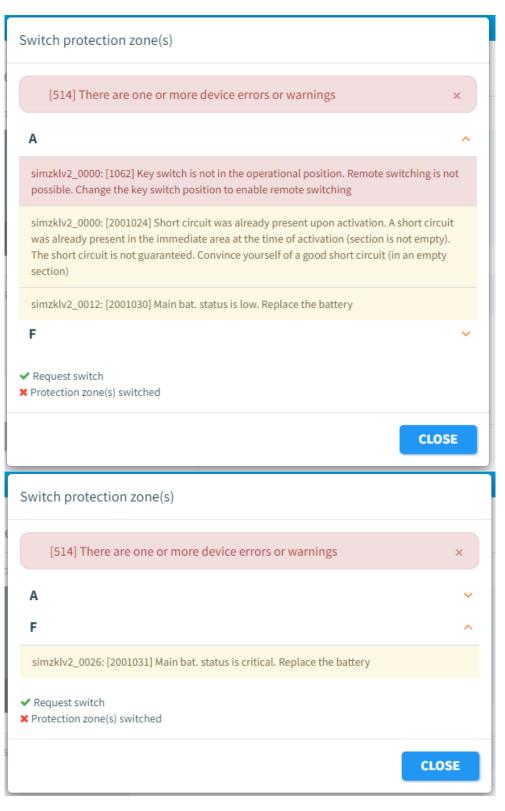
In case there are errors and/or warnings, the result will be similar to the example below:

Switch protection zone(s)			
[514] There are one or more device errors or warnings	×		
Α	~		
F	~		
 Request switch Protection zone(s) switched 			
	CLOSE		

A result message is shown:

- i. A green color indicates everything went well
- ii. A yellow color indicates switching succeeded, but one or more devices reported a warning.
- iii. A red color indicates one or more devices did not switch successfully and reported an error.

7. In case of errors / warnings: click the name of the protection zone to show the error / warning details.



- a. Errors and warnings are grouped per zone and then per device.
- b. Click the zone to show the errors / warnings for that zone.
- c. Follow the instruction provided in the error/warning to resolve the issue, if this does not solve the problem contact Dual Inventive Support.