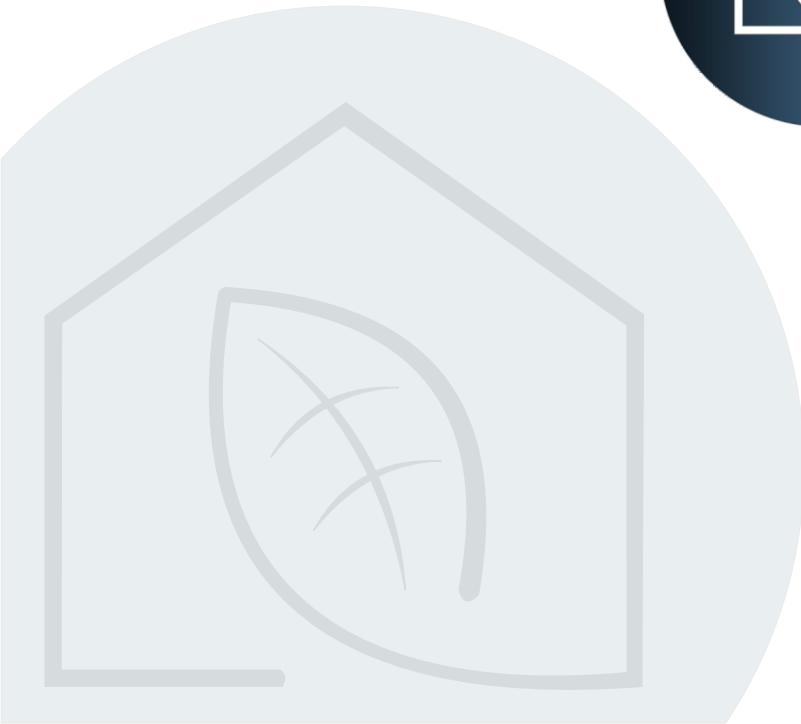




wireeo pro

configuration manual



revision 1.0

www.wireeo.com

1



Legal information

Wireeo Pro, Wireeo and Wireeo Lite and other information referred to in this manual are the sole property of Green Electric City.

They may not be used for any purpose without the owner's permission, given in writing. This guide and its content are protected by the international laws, under the laws of copyright covering.

You agree not to reproduce, other than for your own personal, noncommercial use.

You also agree not to establish any hypertext links to this manual or its content.

KNX automation products should be installed, operated, serviced and maintained only by qualified personnel.

No responsibility is assumed by Green Electric City for any consequences arising out of the use of this material or the use of Wireeo suite application.

Specifications and designs from this manual change from time to time, please ask for confirmation of the information given in this publication at e-mail: contact@wireeo.com

Think green! Please do not print this manual!





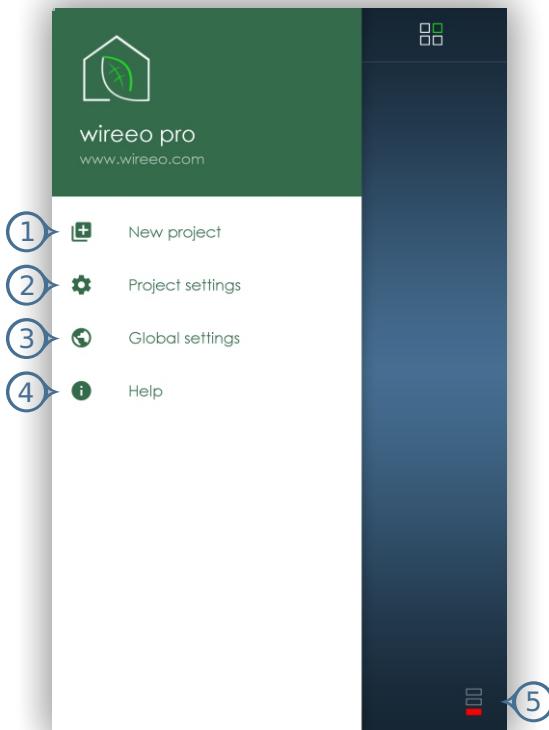
Table of contents

	Application settings	
Settings menu.....		4
Global settings.....		5
Project settings.....		6
	Project settings	
General.....		7
Connectivity.....		8
Criterias.....		9
Areaa - settings.....		10
Areas - new equipment.....		11
Lighting - settings.....		12
Lighting objects - settings.....		13
Blind classic - settings.....		14
Blind regular - settings.....		15
Heating and Cooling - settings.....		17
Vetilation - settings.....		21
Generic - settings.....		22
Scene- settings.....		23
Swicht text - settings.....		26
Indicator - settings.....		27





Settings menu



Wireeo Pro settings menu

You can acces settings by pressing the conectivity status icon (5) or sliding the edge of screen from left to right on the home screens.

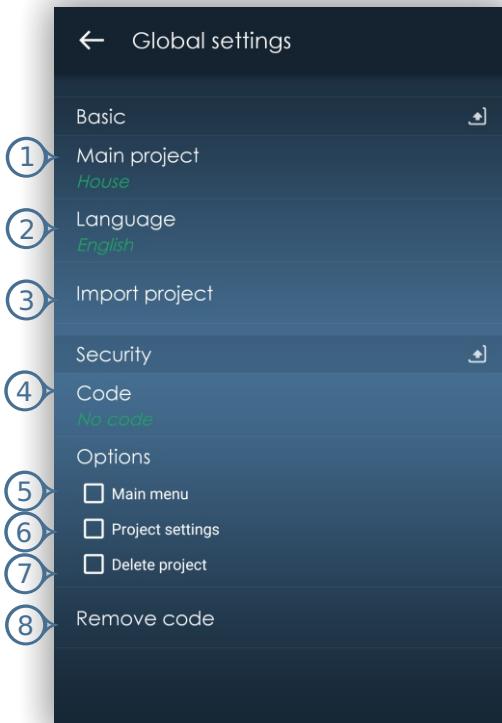
In this area will find:

1. add a new project;
2. project settings link;
3. global settings link;
4. help link (will download configuration manual).
5. show also your conecticity state:
-green color connection OK;
-red color connection closed.





Global settings



Wireeo Pro global settings

This chapter refers to the global settings of the Wireeo Pro application

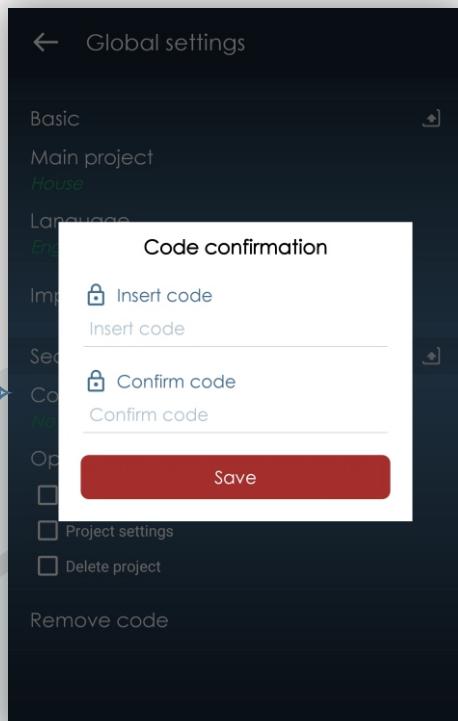
In this area will find:

1. selecting the main project for using in app;
2. change the language, the following languages are available: English, Romana, Deutsch;
3. here you can import a new project;

To increase the degree of security applied, an entire chapter is available.

4. enter de security code; the use the check boxes for activate acces control and operation.
5. acces to main menu;
6. acces to project settings ;
7. delete project.

For removing the PIN code use function (8).



Attention!

If you forgot the PIN, there is no recovery procedure.

you must uninstall the application and reinstall it by following the procedure for importing the project for reuse.



Project settings

Wireeo Pro project settings



This chapter refers to the settings of the projects.

In this area will find:

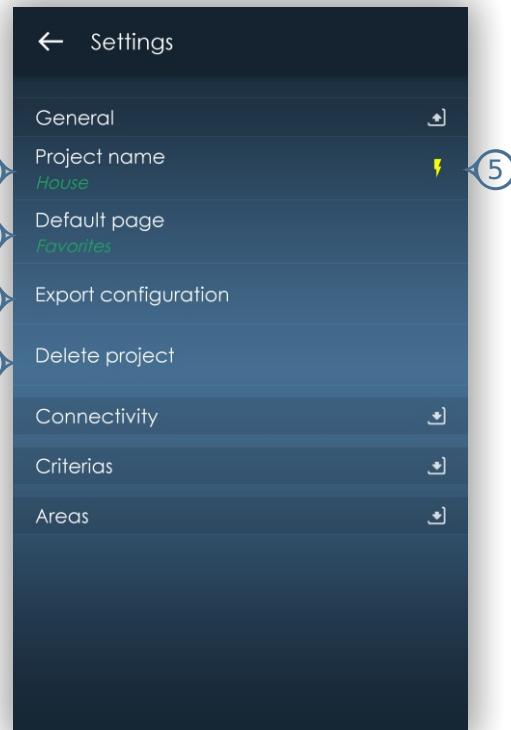
1. general function for the project;
2. connectivity settings;
3. criteria settings;
4. areas settings;
5. use this icons for maximize / minimize settings chapters.

This function is created for a better use of the phone screen.





Project settings - General



Wireeo Pro project settings- general

In this area will find:

1. project name- you can write any name you want, also in the right side you will find a indicator (5), this show if the current project is the main project for Wireeo Pro;
2. you can select default page of the home screen, home screen has 3 screens: areas screen, favorites screen and criteria screen;
3. Wireeo Pro can generate and export projects to use in another instance of Wireeo Pro or Wireeo;
4. delete project from Wireeo Pro;

Attention!

Before deleting a project please back up this project and export!

The configuration file exported will be encrypted and you can read this export file only with another Wireeo Pro or Wireeo app.



Project settings - Connectivity



Wireeo Pro project settings- connectivity

In this area you can setup communication parameters for your KNX system. Wireeo can use for communication local IP address (1), remote IP address or ddns service (2). Also for remote connection you can use NAT function (3).

Wireeo Pro use for communicate only IPv4 addresses.

Attention!

For use an high level security connections please use VPN services! For VPN services use only local IP connection!

At the start of Wireeo Pro if the both Ip's are completed will try to connect with local IP and if is not possible he will start remote connection.

Attention!

When will export a project in the export file will be also connectivity information!





Project settings - Criterias

Wireeo Pro project settings- criterias

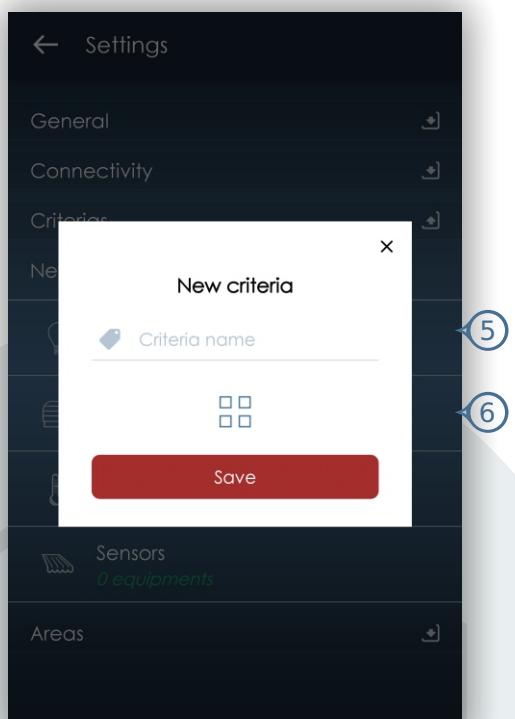


Wireeo Pro offer possibility to create your criterias for a simple structure communication objects. Wireeo Pro can support 50 criterias.

Predefined you will find criterias for lightning (2), blinds (3), climate (4) and senzors.

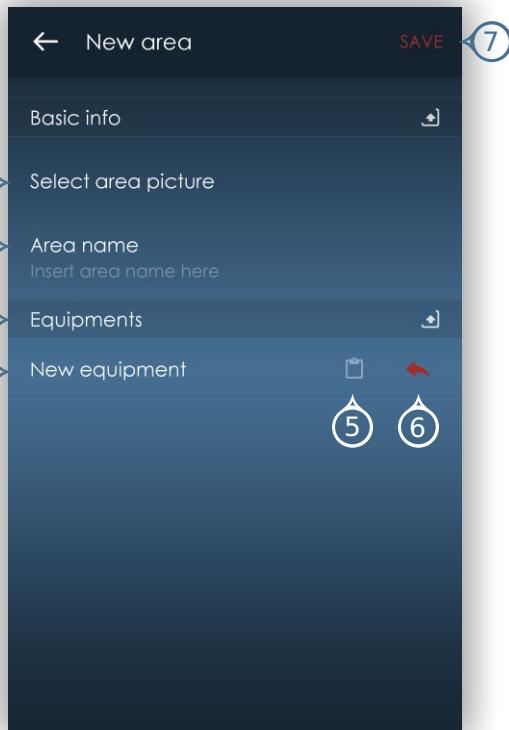
You can generate new one from button (1).

In criterias settings you can configure criteria name (5) and criteria icon (6). Criteria icon you can chose from more than 20 icons available.





Area - settings



Wireeo Pro project settings- areas

Wireeo Pro offer possibility to generate 200 areas.

Each areas can be personalized with name (2) and background picture (1) from your phone camera or from your photo gallery. We recommend to use or to take portrait pictures.

Most important in the area settings is the 'Equipments' section (3). In this section you can configure communication objects for communicating with KNX system.

New equipment (4) launches the communication object settings.

In this section we made some special functions for manipulating communication objects: copy-paste function (5) and delete-undo function..

For copying a communication object just slide the object to the right and for pasting just click on the paste icon (5).

Also you can paste an object and in another area.

For deleting a communication object slide the object to the left and for undo use (6) icon.

Also is available move function, just press an object and move up or down.





Areas settings - new equipment

New equipment

- ① Equipment name
Equipment name
- ② Object type
Select object type
- ③ Criteria type
No criteria
- ④

Next

Wireeo Pro project settings- areas
New equipment

This chapter is most important chapter of Wireeo Pro
Here you can add, edit or delete a communication object.

1. please write a name for your object;
2. select object type;
3. select your criteria. Also an object may not be assigned to any criteria;
4. select if you want this object to be also favorite object.

New equipment

- Equipment name
Equipment name
- ② Object type
Select object type

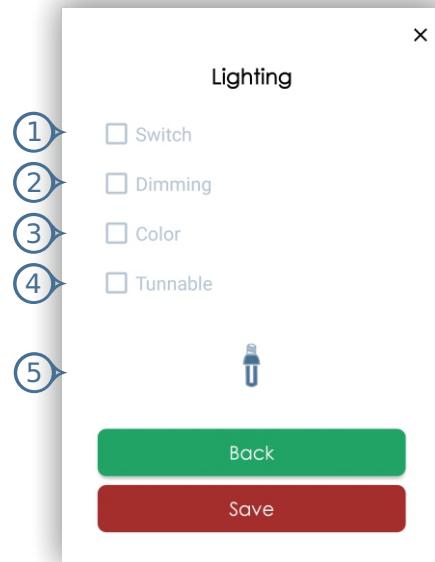
Select object type

- Lighting
- Blinds classic
- Blinds regular
- Heating/Cooling
- Ventilation
- Generic
- Scene
- Switch text display
- Indicator
- Information



Lighting - settings

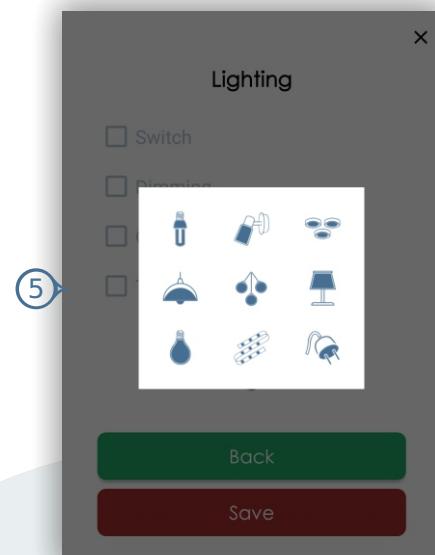
Wireeo Pro - Lighting



There are four types of separate objects that can work singularly or combined depending on the possibilities offered by the knx system.

1. switch object;
2. dimming object;
3. RGB color object;
4. tunnable white object.

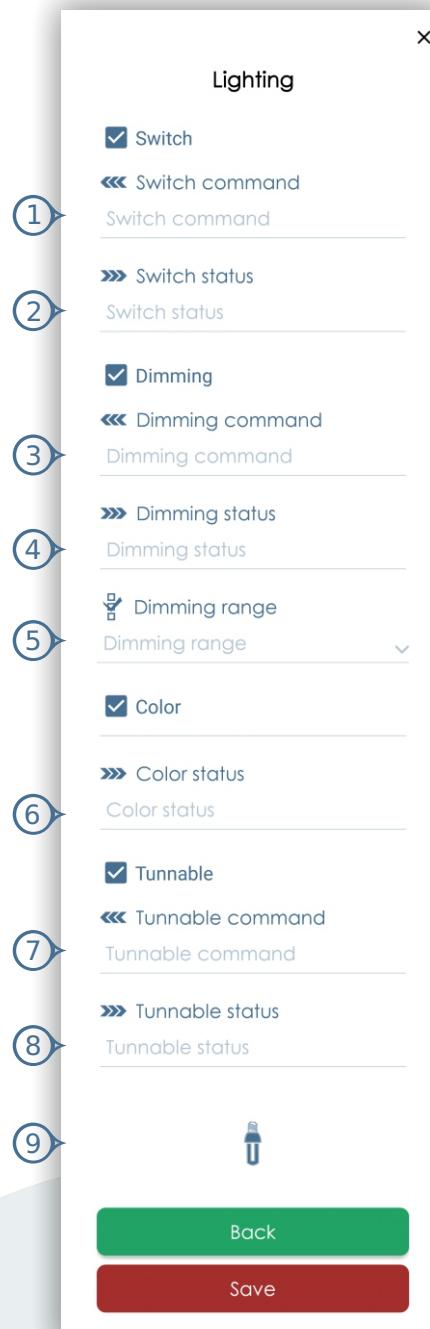
You can choose an icon from the predefined ones (5).





Lighting object - settings

Wireeo Pro - Lighting



There are four types of separate objects that can work singularly or combined depending on the possibilities offered by the knx system.

In this section is necessary to know details from your ETS project - group addresses and data type. Group addresses will be written as below model:

15/15/255

1. switch command group address (1bit);
2. switch status group address (1bit);
3. absolute dimming command (1 byte);
4. absolute dimming status (1 byte);
For a simple use you can select value range for absolute dimming according with device controlled (5). You can choose from: 0-100% or 0-255.

6. for controlling colors you must use 3 bytes data type group addresses for command and for status.

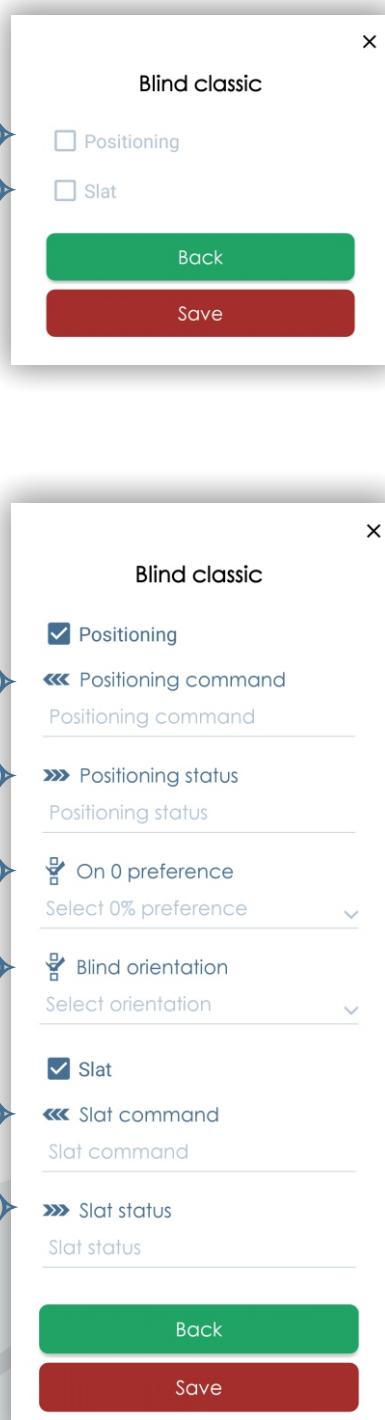
7 & 8. tunable white is used for changing the color temperature for white lights according to the tunable white device available in your knx system.

This group addresses has 1 byte profile.

9. you can choose an icon from the predefined ones.



Blind classic - settings



Wireeo Pro - Blind classic

There are two separate objects that can work singularly or combined depending on the possibilities offered by the knx system.

In this section is necessary to know details from your ETS project - group addresses and data type.
Group addresses will be written as below model:

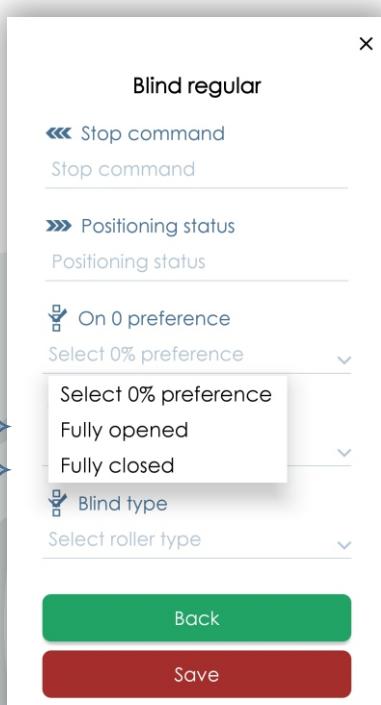
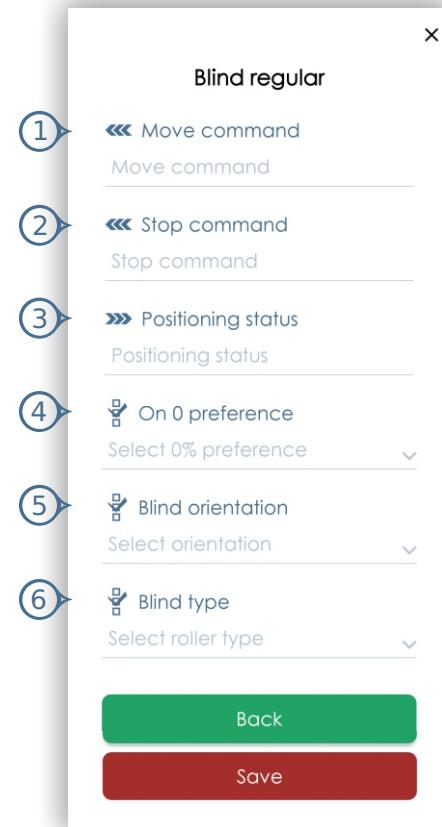
15/15/255

1. positioning use absolute position objects;
2. Slat control use also absolute position objects;
3. absolute position command (1 byte);
4. absolute position status (1 byte);
You can choose from two different types of shutter relays (5), this value depend the interpretation of the status from relays,
6. for a better graphic representation please choose between horizontal or vertical movement off the shutter/blind/curtain.
- 7 & 8. use for command (1 byte) and for reading status (1 byte) of the slats control.



Blind regular - settings

Wireeo Pro - Blind regular



In this section you can configure blind/shutter/cutain control using icons for up/down and stop commands combined in two different communication objects.

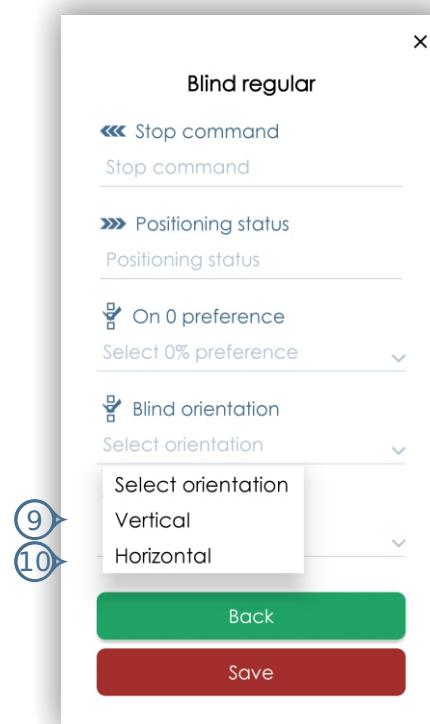
In this section is necessary to know details from your ETS project - group addresses and data type. Group addresses will be written as below model:

15/15/255

1. movement command group address (1bit);
2. stop/step command group address (1bit)
3. absolute position status(1 byte);
4. you can choose from two different types of shutter relays, this value depend the interpretation of the status from relays,
5. for a better graphic representation please choose between horizontal or vertical movement off the shutter/blind/curtain (7&8).
6. use this selector for define communication object.



Blind regular - settings



Wireeo Pro - Blind regular

In this section you can configure blind/shutter/cutain control using icons for up/down and stop commands combined in two different communication objects.

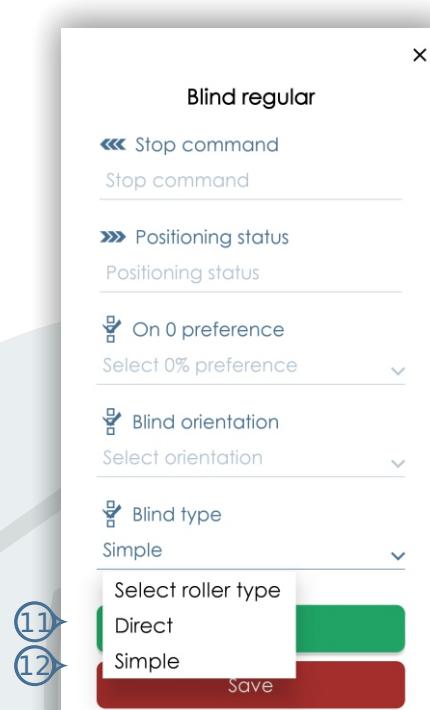
In this section is necessary to know details from your ETS project - group addresses and data type.
Group addresses will be written as below model:
15/15/255

9&10. for a better graphic representation please choose between horizontal or vertical movement off the shutter/blind/curtain (7&8).

11. this selection will show different icons for move up/left, move down/right and for stop command.

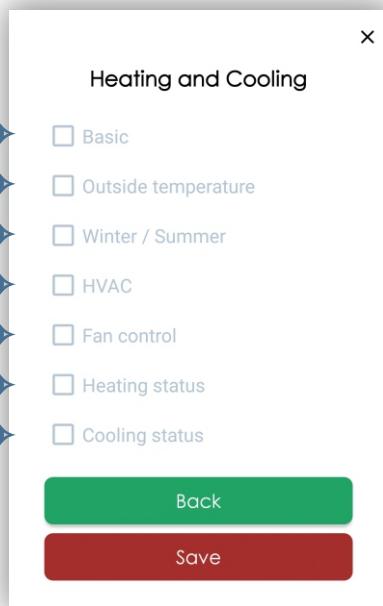
12. this selection will show different icons for move up/left, move down/right.

In this configuration movement command will be sent as long as the icon is reached.





Heating and Cooling - settings



Wireeo Pro - Heating and Cooling

In this section you can configure the entire range of objects to get a complete climate control features.

In this section is necessary to know details from your ETS project - group addresses and data type. Group addresses will be written as below model:

15/15/255

The communication objects are structured in 7 principal groups.

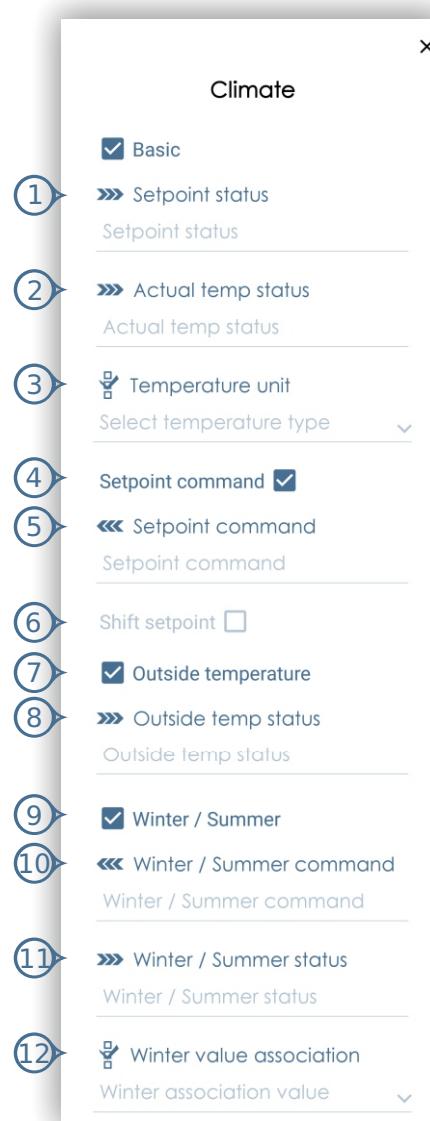
1. basic control - most simple way to control a KNX thermostat;
2. reading outside temperature if this function is available in your system
3. winter/summer command and status;
4. you can use for control thermostat HVAC modes with temperature values predefined with ETS;
5. advance fan speed control;
6. reading the status of the heating in more modes;
7. reading the status of the cooling in more modes.

All these functions work separately or together!





Heating and Cooling - settings



Wireeo Pro - Heating and Cooling

In this section you can configure the entire range of objects to get a complete climate control features.

In this section is necessary to know details from your ETS project - group addresses and data type. Group addresses will be written as below model:

15/15/255

Basic features:

1. reading setpoint status from thermostat (2bytes);
2. reading actual temperature status from thermostat (2bytes);
3. you can choose measure unit for temperature visualisation (Celsius/Fahrenheit degrees);
4. activate setpoint control for your thermostat;
5. setpoint command group address (2bytes), this function work with thermostat setpoint in (setpoint comfort, absolute setpoint temperature);
6. for shift setpoint control please check the white box.
after that will be activated a selector for type of shift setpoint command (1bit / 2bytes)

Also shift setpoint command use field no. 5 and in this field must be completed shift setpoint group address;

7. activate visualisation for outside temperature;
8. group address for reading outside temperature (2bytes);
9. activate winter/summer control;
10. command for winter/summer object (1bit);
11. winter/summer status object (1bit);
We made a function for more flexibility and you can choose value for association with winter (heating) season (12).



Heating and Cooling - settings

The screenshot shows a configuration page for HVAC settings. The listed items are:

- 13. Winter value association (checkbox checked)
- 14. Hvac command (checkbox checked)
- 15. Hvac status
- 16. Confort value
- 17. Night value
- 18. Economy value
- 19. Protection value
- 20. Fan control (checkbox checked)
- 21. Fan speed command
- 22. Fan speed status
- 23. Auto / Manual command
- 24. Auto / Manual status

Wireeo Pro - Heating and Cooling

In this section you can configure the entire range of objects to get a complete climate control features.

In this section is necessary to know details from your ETS project - group addresses and data type. Group addresses will be written as below model:

15/15/255

13. activate function for using HVAC mode already defined in your thermostat;
14. group address for modes command (1byte);

15. group address for reading status from your thermostat (1byte);
16,17,18,19. fields for entering the value corresponding to the modes used;

Example:

- comfort value: 1
- night value : 2
- economy value : 3
- protection value: 4.

This values you will find in your thermostat configuration manual.

20. activate fan speed control functions;
21. group address for fan speed command (1byte);

22. group address for reading status from your thermostat or fan coil actuator (1byte);

23. command for auto/manual fan coil profile (1bit);

24. status from your controller about the actual profile active (1bit);



Heating and Cooling - settings

25 Shift fan speed

26 Auto value association
Auto association value

27 Fan speed steps
3

28 Step 1 value (command)
Step 1 value (command)

29 Step 1 value (status)
Step 1 value (status)

30 Step 2 value (command)
Step 2 value (command)

31 Step 2 value (status)
Step 2 value (status)

32 Step 3 value (command)
Step 3 value (command)

33 Step 3 value (status)
Step 3 value (status)

34 Heating status
» Heating status
Heating status

35 Heating status type
Heating status type

36 Cooling status
» Cooling status
Cooling status

37 Cooling status type
Cooling status type

Back

Save

Wireeo Pro - Heating and Cooling

In this section you can configure the entire range of objects to get a complete climate control features.

In this section is necessary to know details from your ETS project - group addresses and data type. Group addresses will be written as below model:

15/15/255

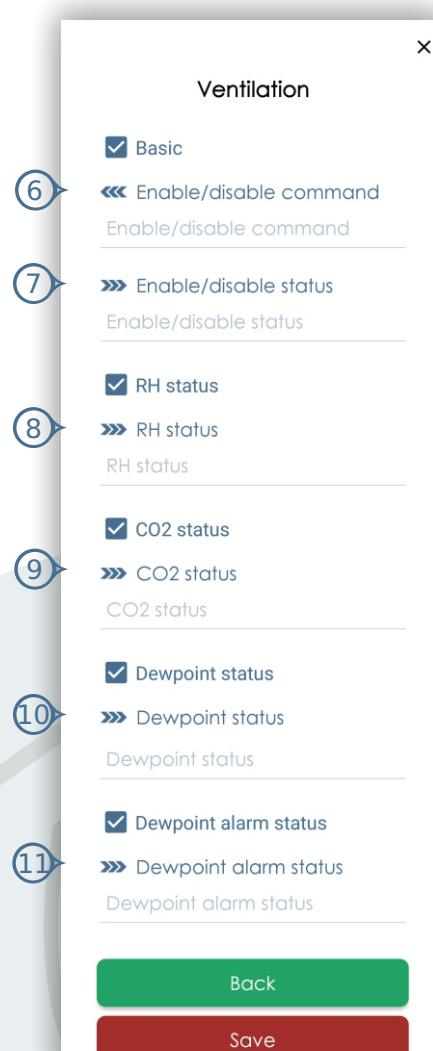
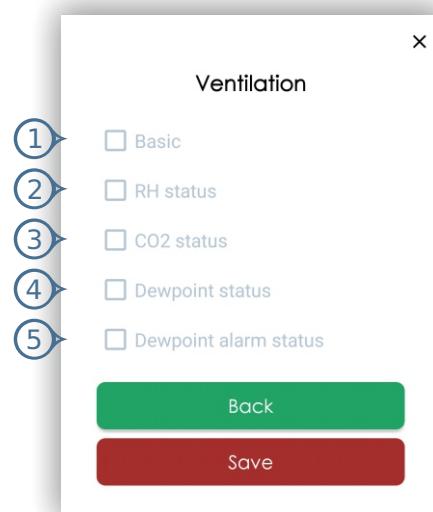
25. activate shift fan speed control;
26. you can choose auto value association, information finded in controller manual;
27. choose number of speed your controller use (3 or 4 speeds);
It's possibile to have different value from command and for status from fancoil actuator and we create the possibility to use the same or different values.
27...33. are fields for this values;

34. reading heating status from your system. this status can have 1bit or 1byte values (35);
36. reading cooling status from your system. this status can have 1bit or 1byte values (37);



Ventilation - settings

Wireeo Pro - Ventilation



In this section you can configure the entire range of objects to get a complete climate control features.

In this section is necessary to know details from your ETS project - group addresses and data type. Group addresses will be written as below model:

15/15/255

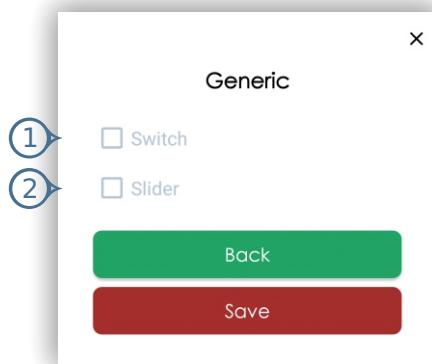
1. basic function can be activated;
2. reading from your sensors humidity value;
3. reading from your sensor CO2 concentration;
4. activate dewpoint status;
5. activate dewpoint alarm status;

6. group address for enable/disable ventilation (1bit);
7. group address for reading status (1bit);
8. group address for reading umidity status (1byte percentage);
9. group address for reading C02 status (2bytes);
10. group address for reading value of dewpoint (2bytes);
11. group address for reding dewpoint alarma status (1bit).



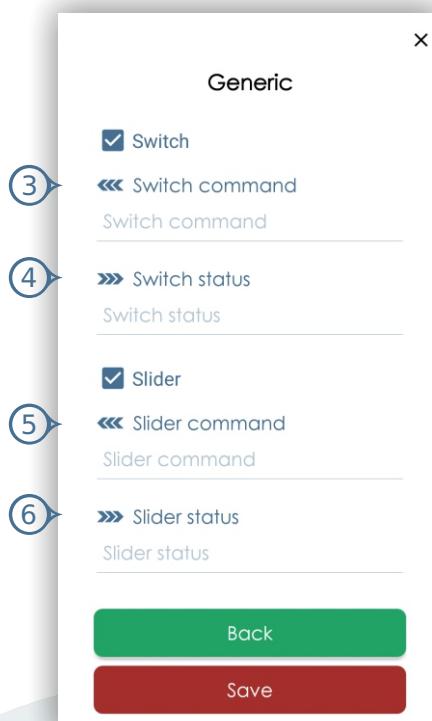
Generic - settings

Wireeo Pro -Generic



In this section you can configure generic switch and slider communication objects.

In this section is necessary to know details from your ETS project - group addresses and data type. Group addresses will be written as below model:
15/15/255

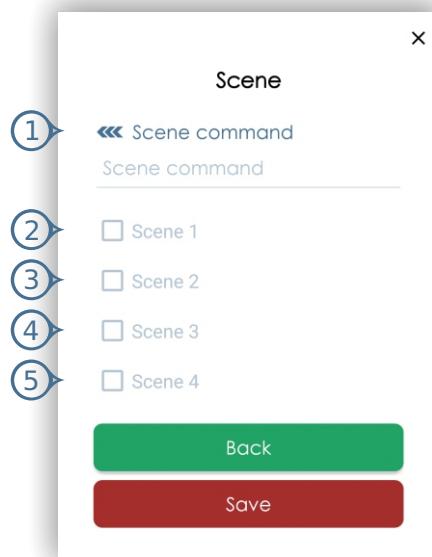


1. activate generic switch object;
2. activate generic slider object;
3. group address for command generic switch (1bit);
4. group address for status general switch (1bit);
5. group address for command generic slider (1byte);
6. group address for reading status of generic slider (1byte).



Scene - settings

Wireeo Pro - Scene



In this section you can configure controls for KNX scene. This communication object support maximum four scene.

In this section is necessary to know details from your ETS project - group addresses and data type. Group addresses will be written as below model:

15/15/255

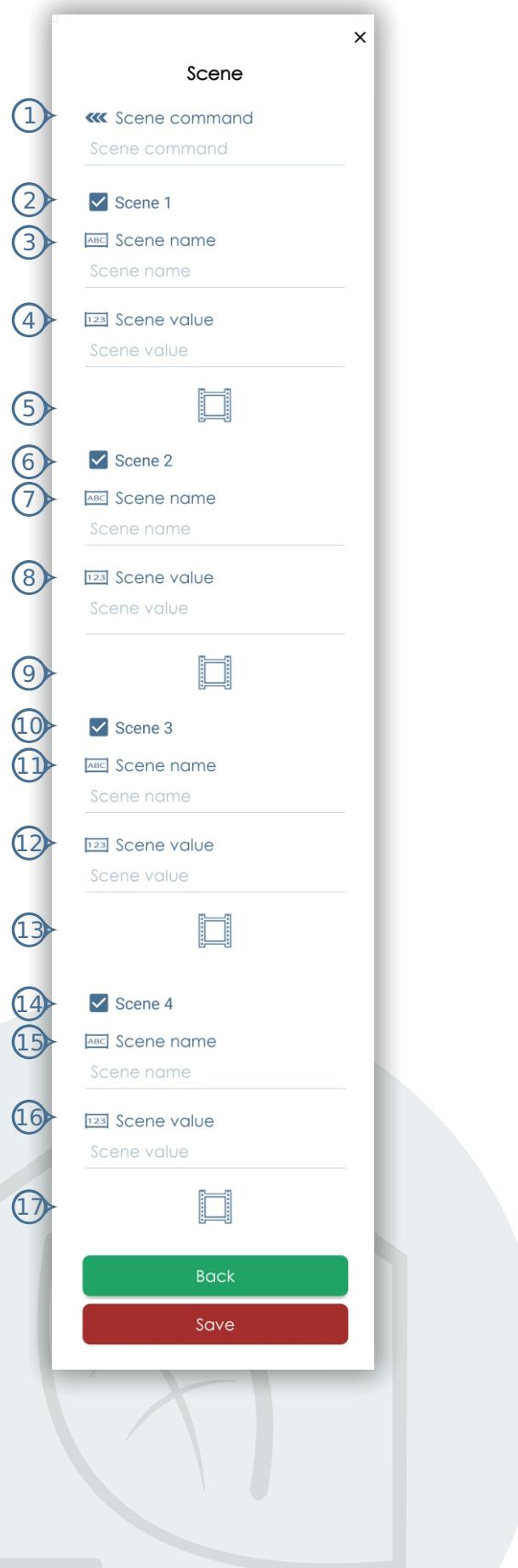
1. group address for sending scene commands (1byte);
2. activate scene no.1;
3. activate scene no.2;
4. activate scene no.3;
5. activate scene no.5;





Scene - settings

Wireeo Pro - Scene



In this section you can configure controls for KNX scene. This communication object support maximum four scene.

In this section is necessary to know details from your ETS project - group addresses and data type. Group addresses will be written as below model:

15/15/255

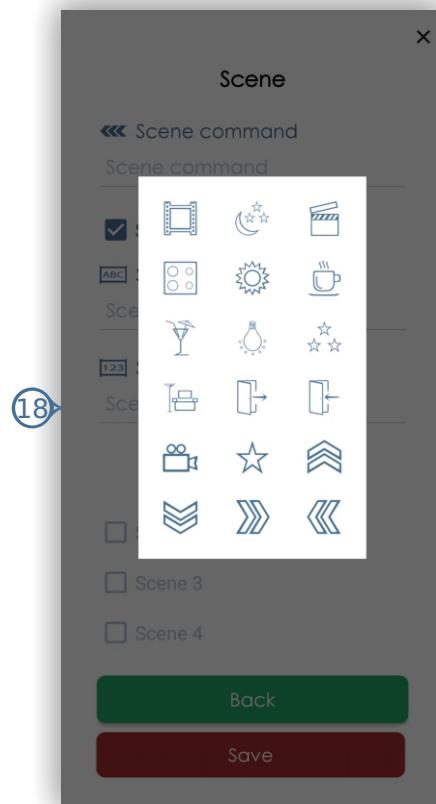
1. group address for sending scene commands (1byte);
2. activate scene no.1;
3. write scene name;
4. enter the scene number (according with ETS programming values);
5. choose icon for your scene;
6. activate scene no.2;
7. write scene name;
8. enter the scene number (according with ETS programming values);
9. choose icon for your scene;
10. activate scene no.3;
11. write scene name;
12. enter the scene number (according with ETS programming values);
13. choose icon for your scene;
14. activate scene no.4;
15. write scene name;
16. enter the scene number (according with ETS programming values);
17. choose icon for your scene;

Wireeo Pro support how many scene communication objects you want!



Scene- settings

Wireeo Pro - Scene

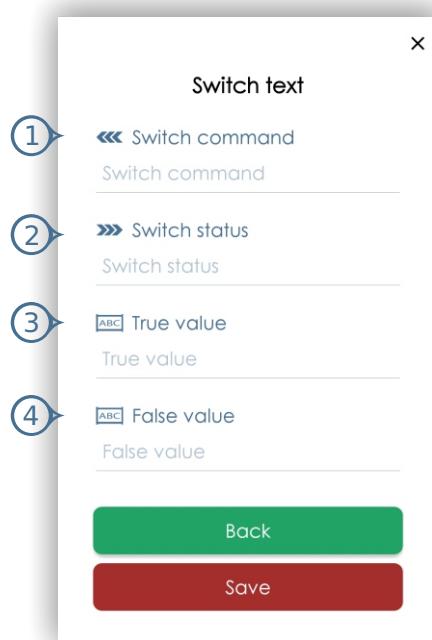


In this section you can choose a desired icon for your scene.





Switch text - settings



Wireeo Pro - swicht text

In this section you can configure swicht text communication object.

In this section is neccessary to know details from your ETS project - group addresses and data type. Group addresses will be written as below model:

15/15/255

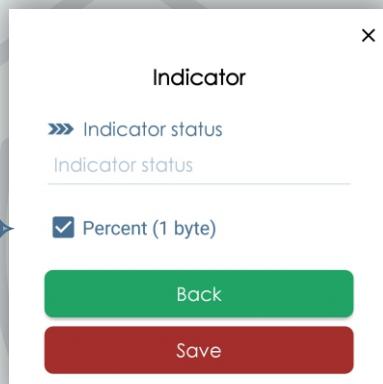
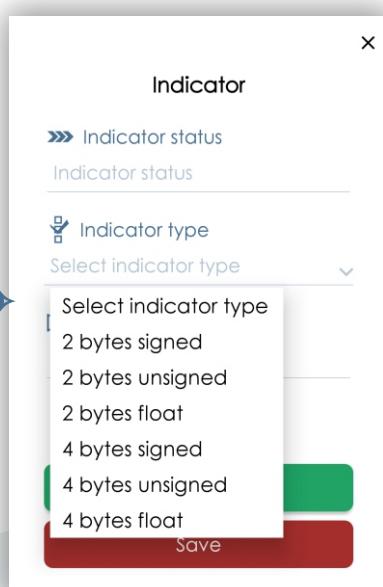
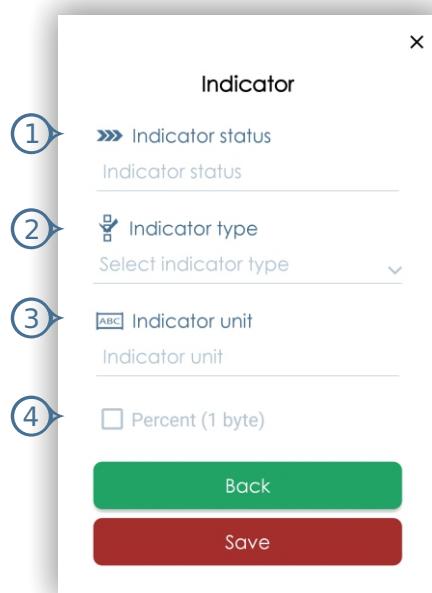
1. group address for sending command (1bit);
2. group address for reading status (1bit);
3. write a specific name for true object;
4. write a specific name for false object;

The icon of this object will be the text itself.



Indicator - settings

Wireeo Pro - indicator



In this section you can configure communication objects to view various KNX information

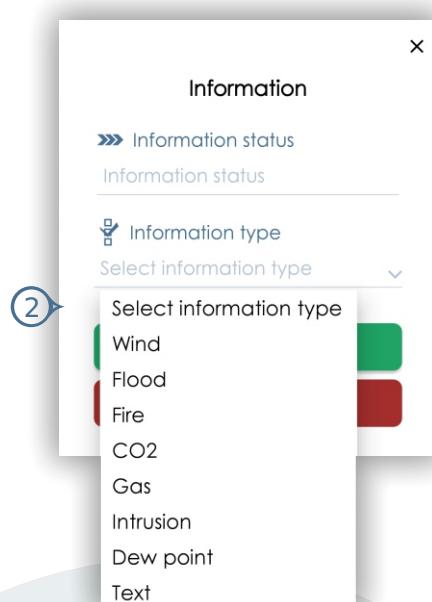
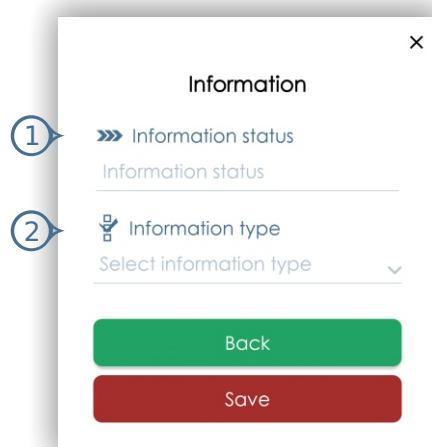
In this section is necessary to know details from your ETS project - group addresses and data type. Group addresses will be written as below model:

15/15/255

1. group address for reading information, use data type of the group address according with the indicator type choose;
2. choose indicator type;
3. write a specific measurement unit;
4. percentage visualisation, (1 byte);



Information - settings



Wireeo Pro - information

In this section you can configure predefined graphics to monitor important features in your system .

In this section is necessary to know details from your ETS project - group addresses and data type.
Group addresses will be written as below model:

15/15/255

1. group address for reading status:
-1bit for "Wind", "Flood", "Fire", "CO2",
"Gas", "Intrusion" and "Dew point" objects
- 14 bytes ASCII for "Text" object;
2. Select information type according with your needs.

Each object has a special graphic object with true or false state.
False state is normal state and true state is warning state.
Text object will read text generate from KNX devices.



Detalis

After testing the configuration, you can continue using the Wireeo Pro configuration or export it to Wireeo for the final customer.

We also recommend that you export a configuration to be kept as a backup!

Thnak You for using Wireeo Pro and Wireeo applications!

We're waiting for your opinion at e-mail: contact@wireeo.com

