

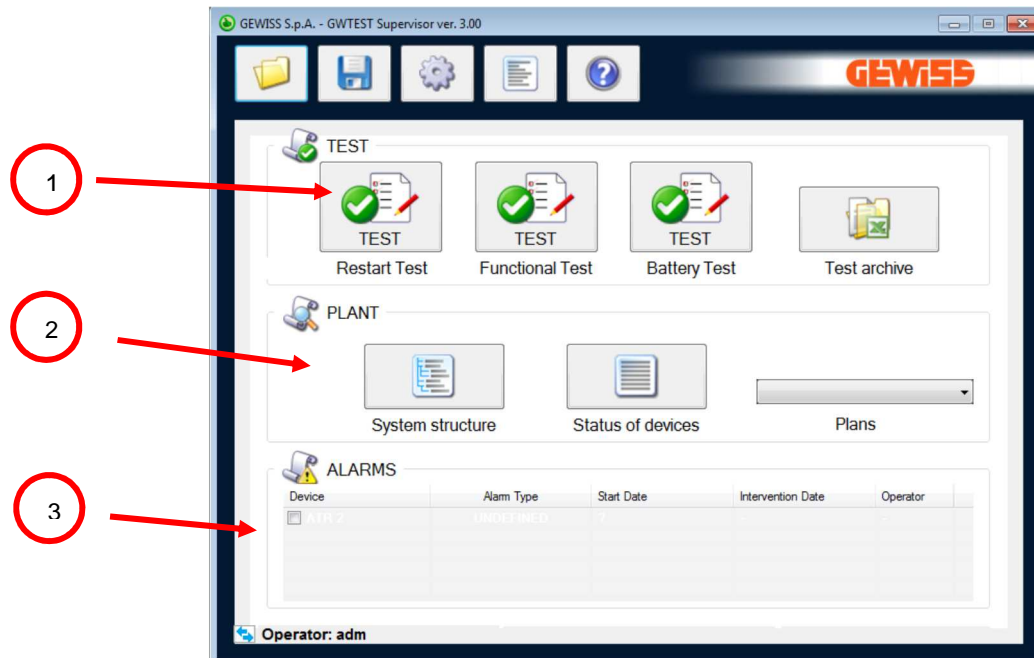
GW TEST – SUPERVISOR SW INSTRUCTION MANUAL

Rev. 03

MAIN MENU

The main menu is divided in three sections:

- 1) Test management
- 2) System management
- 3) Allarms



Other functions:

- 4) Program database upload (event list, operator list, email addresses)
- 5) Save the program database (event list, operator list, email addresses)
- 6) Management of the program configuration
- 7) Event list
- 8) Instruction manuals



1) TEST MANAGEMENT

1A) RESTART TEST

By this function it is possible to launch the automatic RCCB test for all the devices on the bus (only for devices with autotest function).



The program can manage only the device with the autotest function.

Device	Place of installation	Protected line	Code	Result
✓ 1 PC line (ATR 1)	Gewiss/Laboratory	DB office	GW90911	Ok
✓ 1 Light line (ATR 2)	Gewiss/Laboratory	DB office	GW90911	Ok
✓ 2 PC line (ATR 3)	Gewiss/Laboratory	DB office	GW90911	Ok
✓ 2 Light line (ATR 4)	Gewiss/Laboratory	DB office	GW90911	Ok
✓ 3 PC line (ATR 5)	Gewiss/Laboratory	DB office	GW90911	Ok
✓ 3 Light line (ATR 6)	Gewiss/Laboratory	DB office	GW90911	Ok
✓ Meeting room (ATR 7)	Gewiss/Laboratory	DB office	GW90911	Ok
✗ Meeting room light (ATR 8)	Gewiss/Laboratory	DB office	GW90911	KO
✓ Service (ATR 9)	Gewiss/Laboratory	DB office	GW90911	Ok
✓ 1 Test bench line (ATR 10)	Gewiss/Laboratory	DB test bench	GW90911	Ok
✓ 2 Test bench line (ATR 11)	Gewiss/Laboratory	DB test bench	GW90911	Ok
✓ 3 Test bench line (ATR 12)	Gewiss/Laboratory	DB test bench	GW90931	Ok
4 Test bench line (RM 13)	Gewiss/Laboratory	DB test bench	GW90986 ...	-
5 Test bench line (RM 14)	Gewiss/Laboratory	DB test bench	GW90986 ...	-
6 Test bench line (RM 15)	Gewiss/Laboratory	DB test bench	GW90986 ...	-
✓ Office (ATR 16)	Gewiss/Laboratory	DB test bench	GW90928	Ok
? Light 1 (ATR 17)	Gewiss/Laboratory	DB test bench	GW90929	Timeout
✓ Light 2 (ATR 18)	Gewiss/Laboratory	DB test bench	GW90929	Ok

Operator: admin

The program shows the RCCB test result:



The RCCB test is OK.



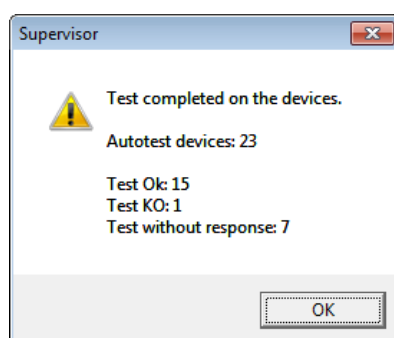
The RCCB test is KO. Call an electrical technician to solve the problem.



No response from the device (the device is not connected to the bus system or it is not powered).

If a device result is without any symbol it means that the connected device do not have autotest function inside.

At the end of the RCCB test it is showed the result for all the connected device

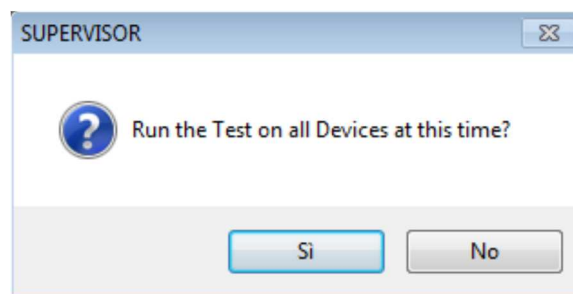


and it is created an excel file with the results.

	A	B	C	D	E	F	G	H	I	J	K	L
1										GEWISS		
2												
3										GEWISS		
4										Via A.Volta 1		
5										Cenate Sotto		
6										Telephone: 111222333444		
7	Periodic test of Restarts											
8												
9	Name	Date / Time	Place of installation	Protected line	Device code	Description	Test intervention differential OK	Test intervention differential KO	Note	Sign		
10	1 PC line (ATR 1)	28/08/2014 14:35:24	Gewiss/Laboratory	DB office	GW90911		X					
11	1 Light line (ATR 2)	28/08/2014 14:35:20	Gewiss/Laboratory	DB office	GW90911		X					
12	2 PC line (ATR 3)	28/08/2014 14:35:20	Gewiss/Laboratory	DB office	GW90911		X					
13	2 Light line (ATR 4)	28/08/2014 14:35:20	Gewiss/Laboratory	DB office	GW90911		X					
14	3 PC line (ATR 5)	28/08/2014 14:35:20	Gewiss/Laboratory	DB office	GW90911		X					
15	3 Light line (ATR 6)	28/08/2014 14:35:20	Gewiss/Laboratory	DB office	GW90911		X					
16	Meeting room (ATR 7)	28/08/2014 14:35:25	Gewiss/Laboratory	DB office	GW90911		X					
17	Meeting room light (ATR 8)	28/08/2014 14:35:33	Gewiss/Laboratory	DB office	GW90911			X				
18	Service (ATR 9)	28/08/2014 14:35:25	Gewiss/Laboratory	DB office	GW90911		X					
19	1 Test bench line (ATR 10)	28/08/2014 14:35:25	Gewiss/Laboratory	DB test bench	GW90911		X					
20	2 Test bench line (ATR 11)	28/08/2014 14:35:25	Gewiss/Laboratory	DB test bench	GW90911		X					
21	3 Test bench line (ATR 12)	28/08/2014 14:35:25	Gewiss/Laboratory	DB test bench	GW90931		X					
22	4 Test bench line (RM 13)	-	Gewiss/Laboratory	DB test bench	GW90986 + GW94005							
23	5 Test bench line (RM 14)	-	Gewiss/Laboratory	DB test bench	GW90986 + GW94005							
24	6 Test bench line (RM 15)	-	Gewiss/Laboratory	DB test bench	GW90986 + GW94005							
25	Office (ATR 16)	28/08/2014 14:35:25	Gewiss/Laboratory	DB test bench	GW90928		X					
26	Light 1 (ATR 17)	21/08/2014 14:05:18	Gewiss/Laboratory	DB test bench	GW90929							
27	Light 2 (ATR 18)	28/08/2014 14:35:25	Gewiss/Laboratory	DB test bench	GW90929		X					
28	Power line 1 (ATR 19)	-	Gewiss/Laboratory	DB test bench	GW90929							
29	Power line 2 (ATR 20)	-	Gewiss/Laboratory	DB test bench	GW90929							
30	Test (ATR 101)	26/08/2014 14:26:18	Gewiss/Laboratory	DB admin office	GW90913							

1B) FUNCTIONAL TEST

In case Nemodin are included in the plant, is possible to run the functional test on all lamps, or, if you press "No" in the window below, all results of the last functional test performed on each lamp will be shown. A maximum time of 6 minutes could be necessary to perform the test.



2) PLANT MANAGEMENT

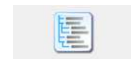
GWTEST allows to command and to monitor the status of the connected devices:

- the RCD status is displayed (lever ON, lever OFF, trip for short circuit or earth leakage current fault)
- the Restart Autotest status is displayed (insulation system check, autotest)
- to open/close the RCCB from remote position (only Restart/Autotest devices)
- to launch autotest function for every RCCB or RCCB cluster
- auxiliary contact status is displayed
- to configure the auxiliary contact status

For emergency lamps you can:

- See the type of lamp (emergency lamp autonomous, Emergency Kit, lamp Node)
- View the lamp status (Normal, Emergency, test in progress, Inhibition, Low Power, Spare, not set) and if the lamp is in Permanente (on) status or not permanent (off)
- View alarms of the lamp (Test not run, battery failure, battery not connected, battery KO, tube KO, sync Alarm, LON Communication alarm)
- Show dates and results of the last functional and battery test
- Send command of Permanent (switch on), not Permanent (off), functional test or battery, Spare, Reset and Wink)

2A) STRUCTURE OF THE SYSTEM



The devices are shown by tree structure on the left part of the screen (Places of installation →boards→devices/lines). A color caption is used to simplify the research of possible faults or anomaly in the lines/devices.

Below the color caption shown in order of priority:

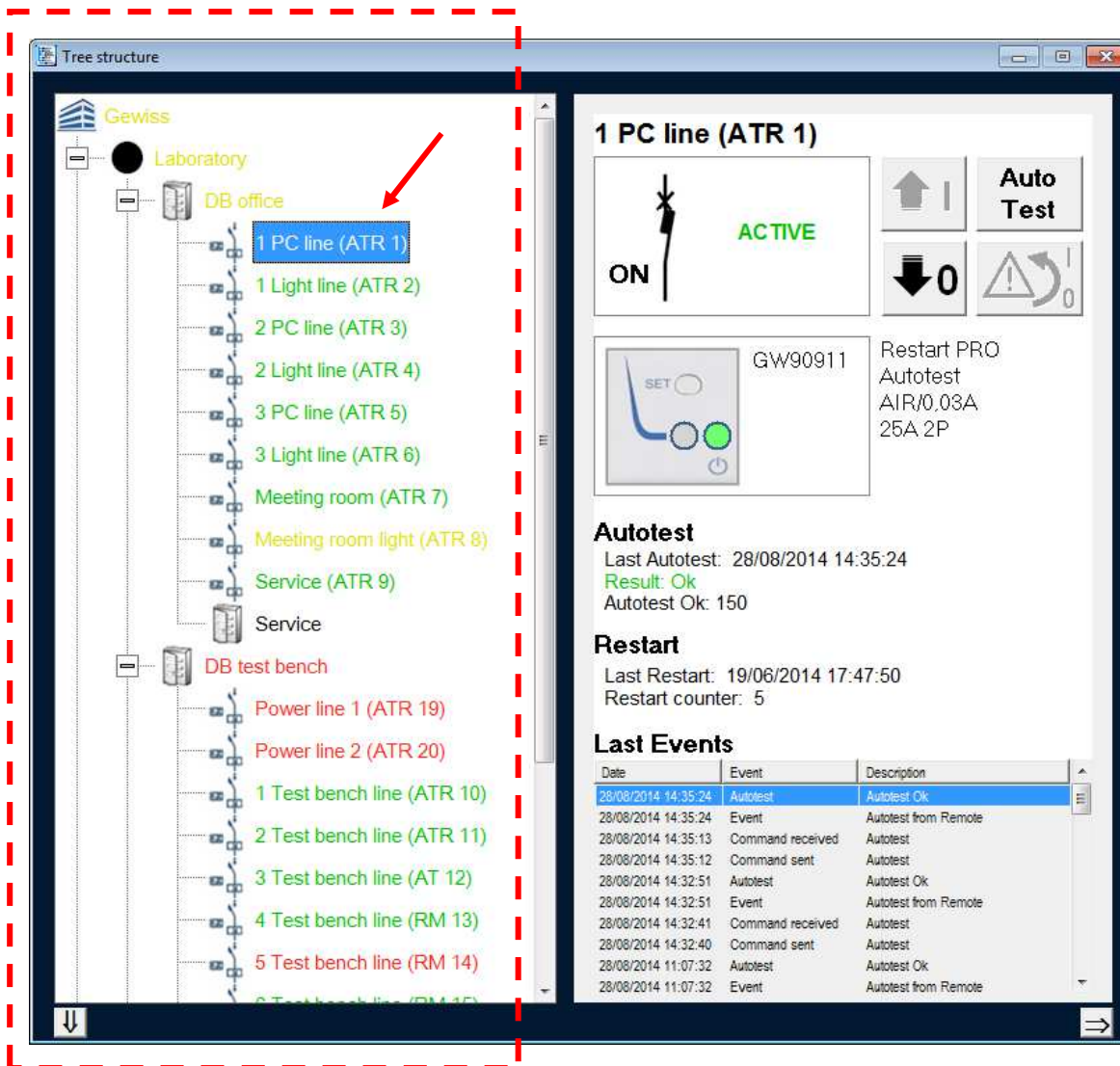
YELLOW = Alarm of Restart Autotest device anomaly, to call a technician

RED = System fault alarm (blocked status, waiting status for low insulation), alarm for BUS line communication problem, alarm for problem in the connection between BUS module and Restart Autotest.

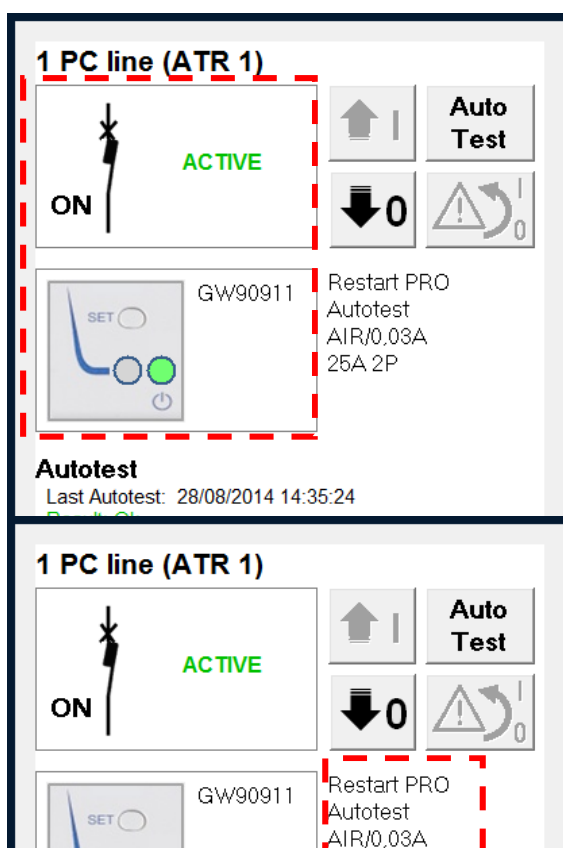
LIGHT GRAY = Autotest or restart function in progress

DARK GRAY = Deactivated device, the autotest and restart functions are deactivated (slide cover to the right)

GREEN = Activated device (slide cover to the left)



The status and commands available for the selected device (or cluster of devices) are shown on the left part of the screen.



RCD lever status (ON, OFF) and device status (RCCB self test in progress, anomaly of the device, check of the system in progress, trip for earth leakage current fault, trip for short circuit fault, ecc...).

Device technical data of Restart.

1 PC line (ATR 1)

ACTIVE

↑

↓ 0

Auto Test

GW90911

Restart PRO
Autotest
AIR/0.03A
25A 2P

Autotest

Last Autotest: 28/08/2014 14:35:24
Result: Ok
Autotest Ok: 150

Restart

Last Restart: 19/06/2014 17:47:50
Restart counter: 5
Last Autotest: 28/08/2014 14:35:24
Result: Ok
Autotest Ok: 150

Restart

Last Restart: 19/06/2014 17:47:50
Restart counter: 5

Last Events

Date	Event	Description
28/08/2014 14:35:24	Autotest	Autotest Ok
28/08/2014 14:35:24	Event	Autotest from Remote
28/08/2014 14:35:13	Command received	Autotest
28/08/2014 14:35:12	Command sent	Autotest
28/08/2014 14:32:51	Autotest	Autotest Ok
28/08/2014 14:32:51	Event	Autotest from Remote
28/08/2014 14:32:41	Command received	Autotest
28/08/2014 14:32:40	Command sent	Autotest
28/08/2014 11:07:32	Autotest	Autotest Ok
28/08/2014 11:07:32	Event	Autotest from Remote

Command to send to the device (opening and reclosing command, RCCB autotest , reclosing command previous check of the system).

Result of the last executed restart/autotest and relative counter.

Visualisation of the last events regarding the selected device.

By pushing the following button it is possible to obtain additional data.

SET

GW90911

Restart PRO
Autotest
A[IR]0.03A
25A 2P

Autotest

Last Autotest: 16/12/2014 17:32:46
Result: Ok
Autotest Ok: 189

Restart

Last Restart: 09/12/2014 16:53:20
Restart counter: 5

Last Events

Date	Event	Description
16/12/2014 17:32:46	Autotest	Autotest Ok
16/12/2014 17:32:46	Event	Autotest from Remote
16/12/2014 17:32:36	Command received	Autotest
16/12/2014 17:32:35	Command sent	Autotest
12/12/2014 10:43:15	Alarm Off	Communication
12/12/2014 10:30:31	Alarm On	Communication
12/12/2014 10:26:25	Alarm Off	Communication
12/12/2014 10:25:20	Alarm On	Communication
12/12/2014 10:18:38	Alarm Off	Communication
12/12/2014 10:17:14	Alarm On	Communication
12/12/2014 10:14:55	Alarm Off	Communication
12/12/2014 10:11:42	Alarm On	Communication
12/12/2014 10:09:52	Alarm Off	Communication
12/12/2014 10:08:55	Alarm On	Communication
12/12/2014 09:55:14	Alarm Off	Communication
12/12/2014 09:52:37	Alarm On	Communication
12/12/2014 09:20:06	Autotest	Autotest Ok
12/12/2014 09:20:06	Event	Autotest from Remote
12/12/2014 09:19:58	Command received	Autotest

18/12/2014 16:05:53

Auxiliary Contact

Out: 0V
State: Stand-By
Configuration: N.O.

Send Configuration

Alarms

Note:

Auxiliary Contact

Out: 0V
State: Stand-By
Configuration: N.O.

Send Configuration

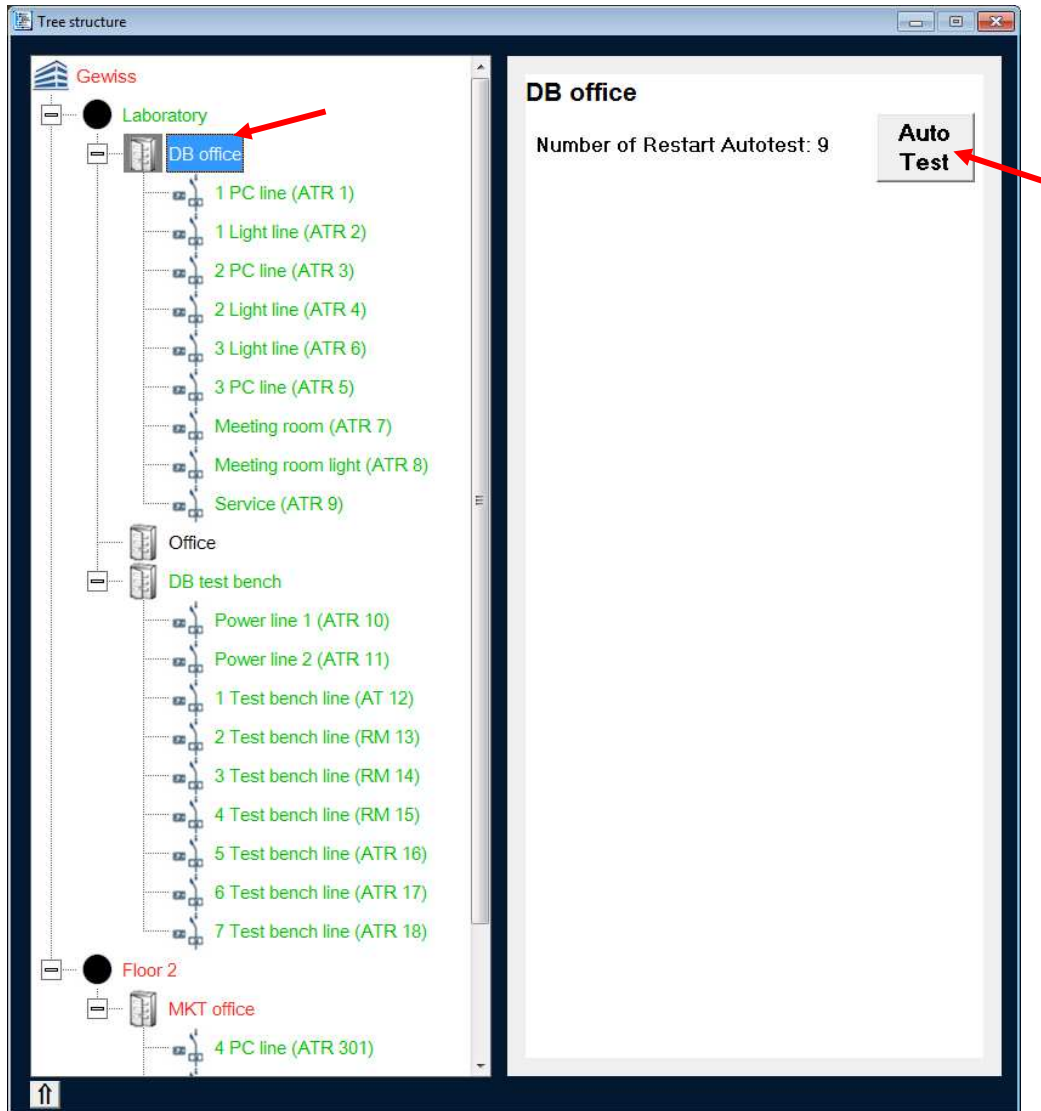
Alarms

Note:

Auxiliary contact setting.

Notification of device alarm status.

By selecting a site or a board in the system tree which it contains more Restart Austotest devices, it is possible to launch the autotest for all the selected devices.



2B) DEVICE STATUS

It is visualized the status of all the Restart and Emergency Lamps connected to the bus system.

It is possible instantaneously to see the following data:

- *circuit breaker ON/OFF (in case of a Restart)*
- *device status (Autotest anomaly, short circuit, low insulation, ecc...)*
- *Installation site of the device*
- *Device and protected line*
- *Device code*
- *Result and date regarding the last executed test*
- *Date of the last executed restart*

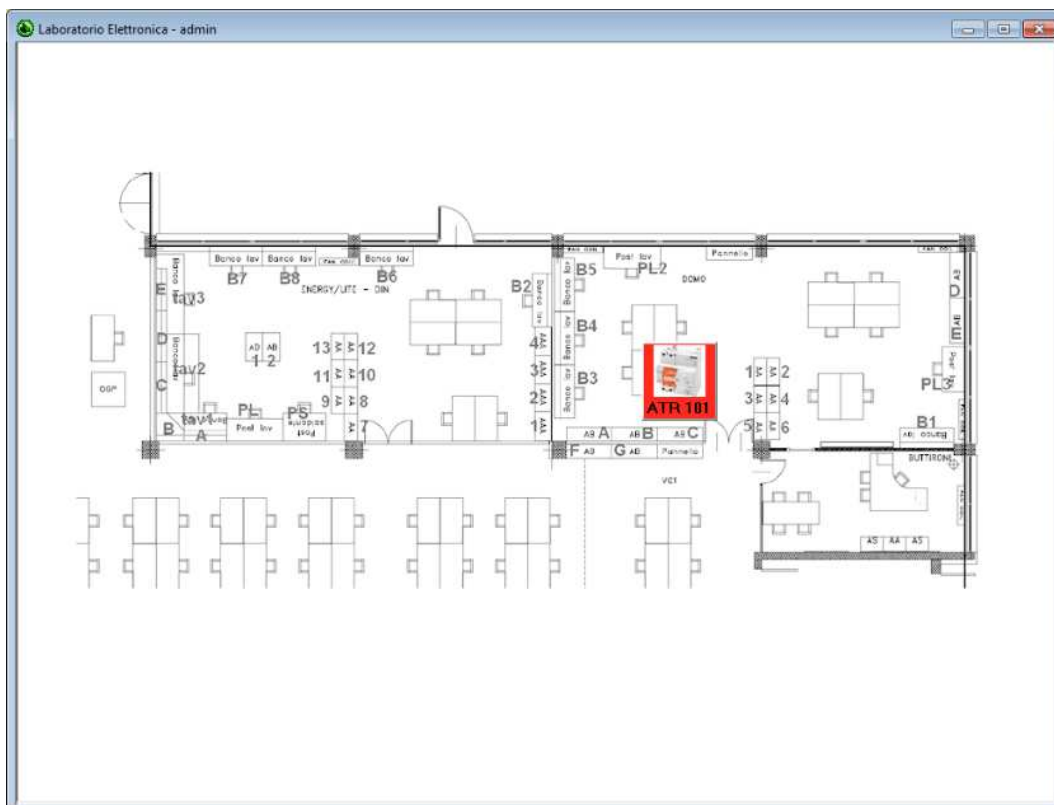
It is used the same color caption used in "STRUCTURE OF THE SYSTEM".

Status of devices				
Device	State	Place of i...	Protected line	Code
1 PC line (ATR 1)	ACTIVE		DB office	GW90911
1 Light line (ATR 2)	ACTIVE		DB office	GW90911
2 PC line (ATR 3)	ACTIVE		DB office	GW90911
2 Light line (ATR 4)	ACTIVE		DB office	GW90911
3 PC line (ATR 5)	ACTIVE		DB office	GW90911
3 Light line (ATR 6)	ACTIVE		DB office	GW90911
Meeting room (ATR 7)	ACTIVE		DB office	GW90911
Meeting room light (ATR 8)	ACTIVE		DB office	GW90911
Service (ATR 9)	ACTIVE		DB office	GW90911
Power line 1 (ATR 10)	ACTIVE		DB test ben...	GW90911
Power line 2 (ATR 11)	ACTIVE		DB test ben...	GW90911
1 Test bench line (AT 12)	ACTIVE		DB test ben...	GW90932
2 Test bench line (RM 13)	ACTIVE		DB test ben...	GW90988 + G'
3 Test bench line (RM 14)	ACTIVE		DB test ben...	GW90986 + G'
4 Test bench line (RM 15)	ACTIVE		DB test ben...	GW90988 + G'
5 Test bench line (ATR 16)	ACTIVE		DB test ben...	GW90911
6 Test bench line (ATR 17)	ACTIVE		DB test ben...	GW90911
7 Test bench line (ATR 18)	ACTIVE		DB test ben...	GW90911

2C) PLANIMETRIES



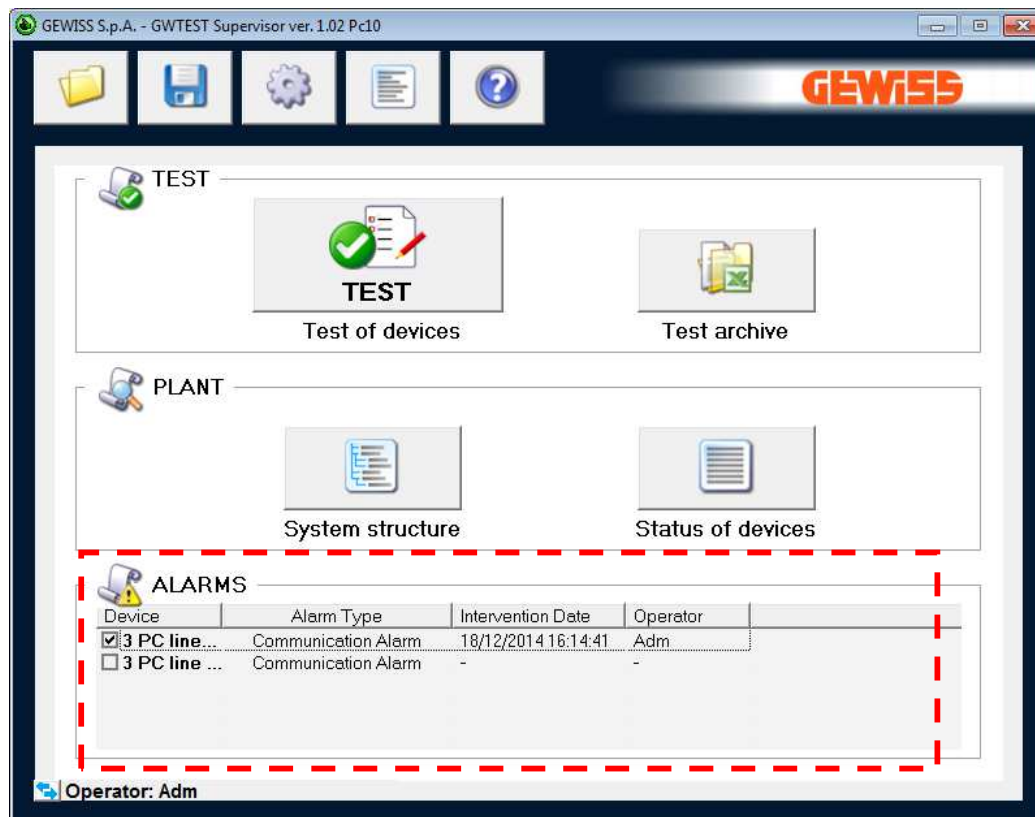
The management by planimetry is enabled only if it is selected during the phase of GwTest software installation/ configuration.



The devices on the planimetry are highlighted by different color using the same color caption of "STRUCTURE OF THE SYSTEM".

3) ALARMS

Alarms are shown in the specific section.



Device	Alarm Type	Intervention Date	Operator
<input checked="" type="checkbox"/> 3 PC line...	Communication Alarm	18/12/2014 16:14:41	Adm
<input type="checkbox"/> 3 PC line ...	Communication Alarm	-	-

The operator that he takes in charge the alarm has to tick the warning, so the other operators will see the name of the operator involved and the date of the tick. Eventual emails of that alarm will never be sent.

Alarms will automatically disappear when the problem will be solved.

4) UPLOAD EXISTING FILE



Upload the past configuration.

5) SAVE



Save the current configuration.

6) PROGRAM SETTING



There are tree typology of settings.



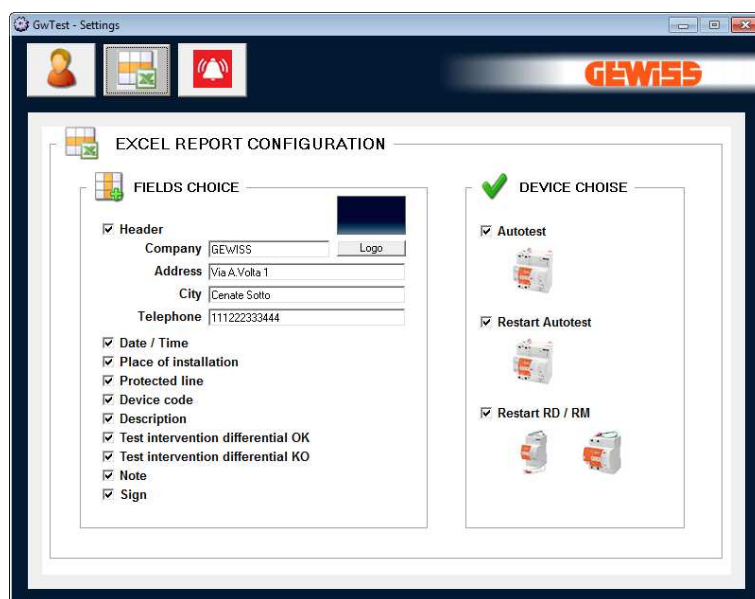
The administrator has to enable the functions of the other operators during the configuration of the software (administrator, power user, user). It is also possible to add, to modify, to cancel an operator.



- Report Excel configuration



The field of the excel autotest report can be modified.



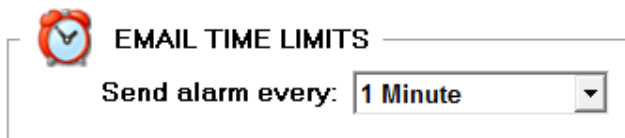
- Notifications/alarms



To use email for sending alarms it is important to create a recipient list and to set the type of alarm.



The time referring to "Send alarm every" is the time interval in which emails containing new alarms occurred in the system are sent. For example, setting "1 hour", would be sent all the reports occurring in the course of an hour in a single email.



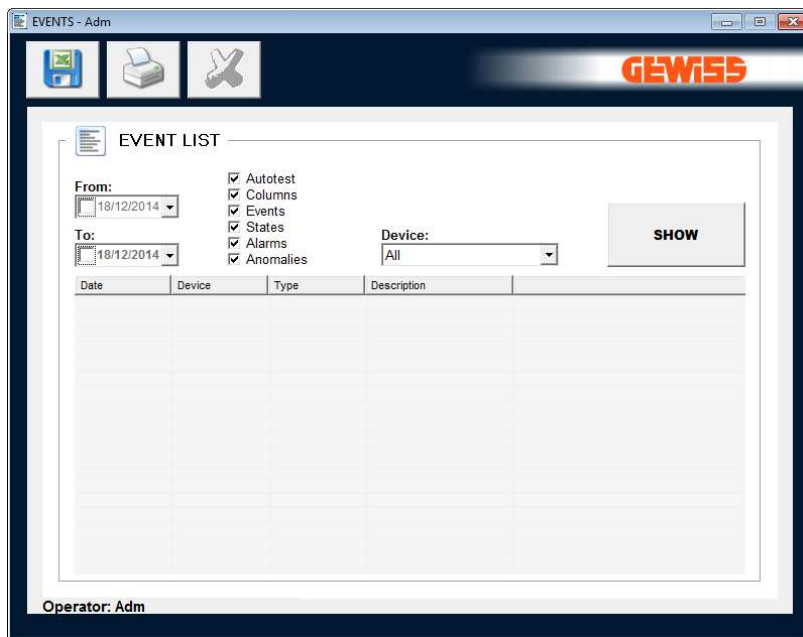
If nobody solve the cause of the alarm, the sending of the mail will be repeated every setted time.



7) EVENT LIST



By "event list" button it is possible to see all events regarding the connected devices.



It is possible to print or to save the event list in excel format.



The “Delete” command will definitely cancel the shown events from the database.

8) INSTRUCTION MANUAL



This command allows to see the instruction manual.