WinKontrol

version 2004

user manual



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Introduction



Thank you for buying the control and identification system P.E.S. allowing checking and recording activities of guard services.

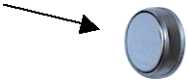
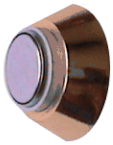
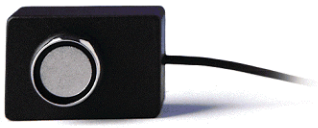
With this manual we will introduce all the facilities and functions of hardware and software system components. We shall recommend you the simplest way to install evaluation program and to perform common operation; and give help and tips for effective using of control system P.E.S.

This chapter familiarizes you with detailed information about structure of the system, description of functions and news in hardware and software.

You should not miss...

Check if you have following components necessary for correct system function:

- portable sensor P.E.S. 

- at least 1 identification chip DS1990A, optionally with holder  
- at least 1 data chip DS1996-L5 
- adapter TMA, TMC or TME 
- installation CD-ROM with program WinKontrol 2004 
- PC with installed operation system MS Windows 98 and higher
- 1 free serial port RS-232C (by using TMC adapter) or 1 free USB port (by using TMA adapter).

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Principle of function

Control system P.E.S. enables very simply to make a complete overview about routes held by individual guards.

The portable sensor P.E.S. forms a fundamental part of this system and is used for identifying the guard's presence at checkpoints placed anywhere within the guarded area. The unit operation is very simple since there are no other external control components and checkpoint readings are indicated audio-visually.

All the checkpoints are equipped with *identification chips*. The *sensor P.E.S.* reads the chip identification number into its memory by easy contact with chip. The identification numbers are assigned to current time and saved. Data saved in sensor's memory are transferred by easy contact to DS1996 *data chip* and later they are exported from data chip into computer via adapter connected to serial or USB port. Data are saved in the PC and with evaluation program WinKontrol can be checked, printed or displayed by different ways including automatic comparison between predefined and indeed realized routes.

Once exported data cannot be changed!

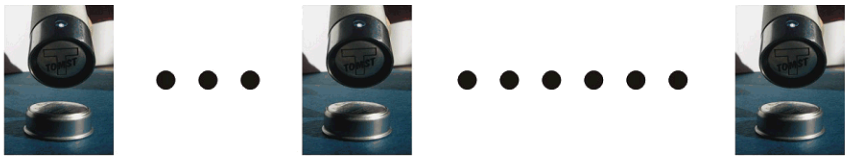
Schema of control system P.E.S. in practice

1) Guards identification

The guard identifies himself by applying his identification chip to the sensor PES.



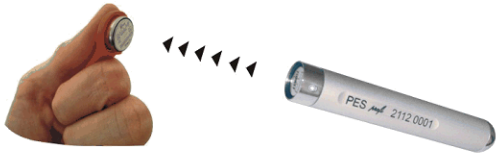
2) Route



1. check point 2. check point last check point

3) Data transfer to data chip

By applying the data chip to the probe of sensor PES, the recorded events are trasferred into the data chip within few seconds.





4) Data transfer to PC

The events recorded during the routes are copied from the data chip to PC over TMC adapter.

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Portable Electronic Sensor P.E.S.

Sensor function

The P.E.S. (portable electronic sensor) is a portable reading device of Dallas chips. There are two basic designs manufactured. Each design has its own specific capacity of memory to save certain volume of data and specific resistance to external impacts.

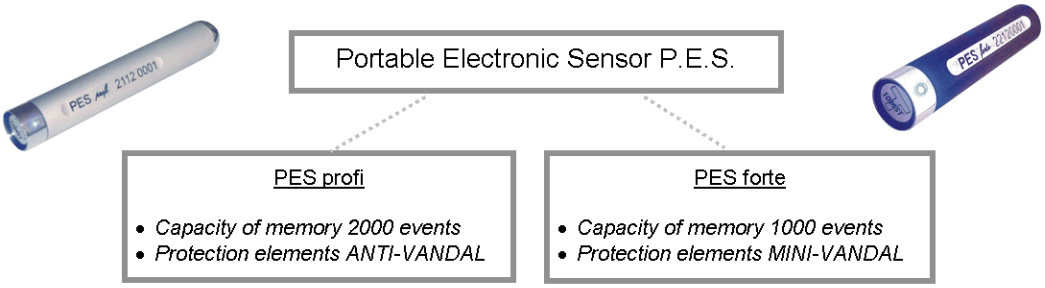
The sensor provides following functions:

- Time entry recording of the identification chip reading (checkpoint reading)
- Transfer of data into the data chip
- Setting of precise time using the time chip
- Keeping the precise time
- Power supply using a special built-in long-life battery

The sensors use the latest electronic technology and their structure provides high reliability with resistance to bad weather for a long-term operation.

Sensor types

The P.E.S. is manufactured in 2 designs, which differs in capacity of memory and protection elements. Each design is able to store a certain number of entries (one entry means one touch of the sensor to identification chip). The protection elements limit several kinds of damage and intended battery discharge.



Sensor designs

Sensors P.E.S. are sealed in cylindrically shaped compact aluminium-magnesium case where sensor's serial no. is placed together with LED indicator and a loop used for its hanging and handling. The sensors are equipped with a probe used for sensory communication with chips. These probes are waterproof and resistant to impact.

Sensor operation

The sensor operation is very simple: contact of the sensing head with the contact chip is the only possible operation. Once the successful reading of the control chip is done, the sensor beeps. Following a successful transaction between the sensor and the data chip, the sensor plays an ascending melody. An error occurs if you try to enter more data into a data chip with already full memory or if you try to read more checkpoints by the sensor with already full memory. Such a situation is indicated by a descending melody and it is necessary to free the sensor or the data chip memory (see chapter *Behaviour of PES sensor*).

Sensor signaling

The sound signaling is accompanied by a flashing LED indication. This is also suitable for operation in noisy environments (more in chapter *Behaviour of PES sensor*).

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Maintenance

There is no need for sensor maintenance. Please take account of the temperature range for use and storage. We also recommend not exposing the sensors to any sources of electrostatic discharge (the sensor might "lose" loaded data).

For fluent chip reading even during frequent use we recommend to clean from time to time the reading surface with spirit.

More information in chapter *Technical parameters*.

ⓘ **ATTENTION**
Please note that ar unqualified replacement can leac to a sensor block (ar error tune plays wher the chip is placed ir the sensory device).

Battery replacement

For power supply, the sensors use lithium cells with a high capacity. The standard service life of such a battery is approximately 5 years. The battery needs replacement, if the sensor does not work with the data chips any more, or if it cannot read the control chip.

Only professional servicemen can carry out such replacement, together with a device testing!

Identification chips





Description and function of identification chip

ⓘ **ATTENTION**
Chips are not to be exposed to any electrostatic discharges. They are almost indestructible and lifetime guaranteed if used properly.

The identification chips (also called control chips) are used to identify the routes and for guard identification. This media consists of a silicon chip which is hermetically sealed in stainless steel casing which resembles a button 3,10 mm (type DS1990A-F3) or 5 mm (type DS1990A-F5) thick with a diameter of 17,35 mm. Every chip has its own 64-bit code which inimitableness is guaranteed by the producer.

Note: Identification chips don't have to be specially maintained. Only in winter there might appear a glaze on the surface. In such case wipe the surface with a piece of clout.

Data chips



Description and function of Data chip

Unlike the identification chips (DS1990A), which only contain a fixed identification code (ROM memory), the data chips consist of NV RAM memory backed up by the internal lithium cell. The lithium cell provides reliable data storage for up to 10 years.

Basic function

The basic function of data chip is to transfer data concerning entries (checkpoints) from the P.E.S. sensor into PC. The control system P.E.S. uses the DS1996 data chips with a memory capacity of 1000 entries (1 entry =1 checkpoint).

Work with data chip

The data transfer into the data chip realizes when the chip is placed onto the sensory head of the portable sensor. The transfer time depends on the amount of data transferred, starting with tenth of a second to several seconds. Therefore it is important to place the chip into the sensory head for reading at the checkpoint. The end of the transfer is indicated audio-visually.

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The P.E.S. sensor buffer becomes empty once the **data is transferred** and a sound signal indicates a successful data transfer. An error beep (descending tune) indicates that the data chip capacity is insufficient for saving all the data (and/or the battery is flat). If the transfer has not taken place and all the data stayed in the sensor, then it is necessary to use another reading chip or empty the original chip by transferring all the data into a computer.

One reading chip can store more than one data block from the sensor as long as the chip capacity allows. This is useful if data is being transferred from several sensors at the same time.

Note: Work with data chips is simple. However it is important to take care about not to exchange the transfer and time chip. We recommend to reprogram time chip immediately after use back to transfer mode to prevent any data loose (see below).

Setting

It is possible to set different chip modes using the WinKontrol program. The setting runs by choosing appropriate button on the main program window or selecting item in the main menu. More information in chapter *Chip/Chip setting*.

1. **The transfer chip** - This chip allows a data transfer between PC and PES sensor. Once the data from the transfer sensor is read it stays only in the chip.

Note: If the sensor does not contain any data, there is no entry formed in the transfer chip. Such a measure saves space on the data chip and allows a multiple reading equivalent to a single reading.

ⓘ ATTENTION
By correcting the time you will also delete the sensor data (this security measure makes the guard unable to enter wrong time entries using the time chip).

2. **Time setting chip** - The P.E.S. is equipped with a precision crystal oscillator, which operates on a scale of accuracy that ranges within ± 30 s/month. It is important to correct the time in case of a long-term operation. We use the WinKontrol program for processing a chip carrying a time entry. By placing this chip into the portable sensor, the time of the sensor is corrected. The time difference between loading the time entry into the data chip and loading this time entry into the sensor should be as short as possible in order to secure the maximum accuracy of setting. Once the time is correct, it is useful to set the chip back into the transfer mode to prevent confusion. The time in new sensor is set by the manufacturer.

Operating data chip

To transfer data from data chip to PC choose this item in main menu of program WinKontrol and apply data chip (program gives you instruction) to the TMC adapter probe. The process of data transfer is displayed on the monitor.
After successful 100% transfer all the data are in PC memory prepared for further processing.

Adapter



Function of adapter

ⓘ ATTENTION
The adapter also serves as a hardware key to the software license. Without connecting the adapter you can start the WinKontrol program only in DEMO mode.

An adapter is used for reading the control chips when entering data concerning checkpoints and guards into the WinKontrol program and also for communication with data chips. There is no need to worry about a bad contact between the sensory head and the chip during the data transfer: the transfer protocol design and the data order ensure that the system is totally resistant to losing contact (if using the sensory head in dusty environments such as building sites it may require cleaning). A successful reading/entry in the PC is indicated on the monitor. As long as the indication is not displayed, there is a guarantee that the data chip content has not been changed in any way.

Placing

The plastic part with the probe can be placed on any suitable place. To provide a permanent fixation, it is possible to use a Velcro strip or a glue that does not corrode plastic. Connect the other end to PC serial port RS-232C (if using TMC or TMA adapter) or to USB port (if using TME adapter).

Case of TMC or TMA adapters: The CANON 9F terminal of the adapter is connected to the serial port of the PC, usually COM 1. For connecting to older type of COM-port you often need the CANON 9M - 25F reduction, which can be purchased in any computer shop.

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Evaluation program WinKontrol



Description

Program WinKontrol 2004 is designed to input, supervise, view and print databases (checkpoints, guards, sensors, routes, schedules, objects). The list of events, if it is transferred to PC from a transfer chip, consists only of date, time and identification chip code (checkpoint or ID chip of a guard). If you create a list of checkpoints described by clear names (hall, store, garage etc.) in the beginning of using the whole system, then the program will be able to process the evaluation and show results with name of the checkpoints and name of the guard who performed the route.

To use fully the abilities of WinKontrol you can automatically evaluate data from performed routes in time and progression. If the way to execute the route is predefined, you can simply detect mistakes in guard's work in few seconds.

PC hardware and operation system

Program WinKontrol is suitable for operation system Windows since version 98 (problems might appear on some versions of Windows XP Home Edition - in such case contact the producer on e-mail address *tomst@tomst.com*). WinKontrol is the quicker (especially in phase of chip reading) the higher your PC configuration is. For easy running we recommend at least 32 MB RAM and 20 MB free space on HDD.

Licenses

TIP!
In version WinKontrol *Standard* it is possible to work with max. 2 sensors, 10 guards and 50 check points. Version *Professional* brings unlimited database capacity.

The owner of WinKontrol copyright is company Tomáš Haase - TOMST®. User license of the program is tied to the serial number of TMA, TMC or TME adapter. Running of more copies on 1 or more computers is regarded as serious infraction of copyright and is prohibited.

It is allowed to copy the program WinKontrol ***for promotion purposes*** *in case that the program is copied complete and unchanged. In such case we recommend to contact the producer.*

Only official distributors with the producer's agreement are allowed to resell the software WinKontrol, the other situations are regarded as serious infraction of copyright and are prohibited.

License DEMO - Allows only viewing data and printing notations. It is neither possible to input any data nor to work with chips. It can be used for working in network on terminal PC connected to server only to view records.

License STANDARD - Program allows complete work with data and chips. However the capacity of databases is limited (max. 2 sensors, max. 10 guards, max. 50 checkpoints, max. 2 objects, max. 10 routs, max. 5 tours, max. 1 schedule). License does not allow to set separate passwords to individual users, program can't work as server in network, the databases cannot be sorted in alphabetical order and it does not allow to view log in protocol.

License PROFESSIONAL - Offers unlimited capacity of databases, setting of individual passwords and work as server in network.

What's new in hardware?

The latest types of sensors PES profi and PES forte are equipped with maximum protection level against mechanical damage and intentional battery discharge. The ANTI-VANDAL (PES profi) and MINI-VANDAL (PES forte) elements allow even to record the attempts to destruct sensor and to export this information to the evaluation program WinKontrol.

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PES profi is able to detect following attempts of destruction (they are discerned in notations):

- *Fall small/medium/big*
- *Short circuit*
- *External overvoltage*
- *High temperature*

PES forte is able to detect following attempts of destruction (they are not discerned - in notations it shows ´Mini-vandal´ message):

- *Short circuit*
- *External overvoltage*

The risk of a breakdown within intentional hits decreases to minimum.

The other system components are improved mostly aesthetical.

What's new in software?

Let us describe at least some improvements:

- All the functions of notations have been improved. Now you can create notations by any interval and by time of download into PC. The amount of notations increased to 17. Some of them are highly specialized and are used mostly in case of large system with more objects and guards.
- The design of notations changed. You can set size of font and prepare notation in HTML format.
- The possibility of network function and sharing of rights to manipulate with program among more users are important steps ahead.
- If are not sure that data chip works correctly you can test it yourself.
- We added new item *Object* to the main menu. It keeps an overview about which sensor is just used in object.
- Program offers many new notations (see chapter *Notations*).
- Program has got a new comfortable design.
- Sensors are equipped with service codes that have to be delivered together with sensor in case of repair.

Basic definitions

Following buttons you can find on many screens. They have always same function, so we describe them only in this place:



Saves entered information and returns to previous screen.



Saves entered information and opens new window to enter another item.



Deletes permanently item from database.



Prints displayed data.



Return to previous screen without saving.



Asks to apply a chip to adapter.

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Software installation



If you are new users of the control system P.E.S., this chapter leads you to install the program WinKontrol on your computer. You find some notes, advices, tips that facilitate your work and help to prevent unnecessary mistakes in operating the program.

The user, who wants just to upgrade WinKontrol, finds in this chapter the best way how to do it.

What to do before installation

- Before you start installation, restart your PC!

Plan of installation

The installation has got 2 parts, please pay attention to both of them:

1. Installation of adapter
2. Installation of software

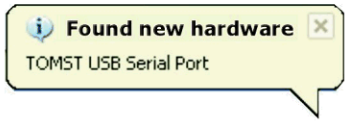
Installation of adapter

If you use TMA or TMC adapter, continue with point 1A.;

If you use TME adapter, continue with point 1B.;

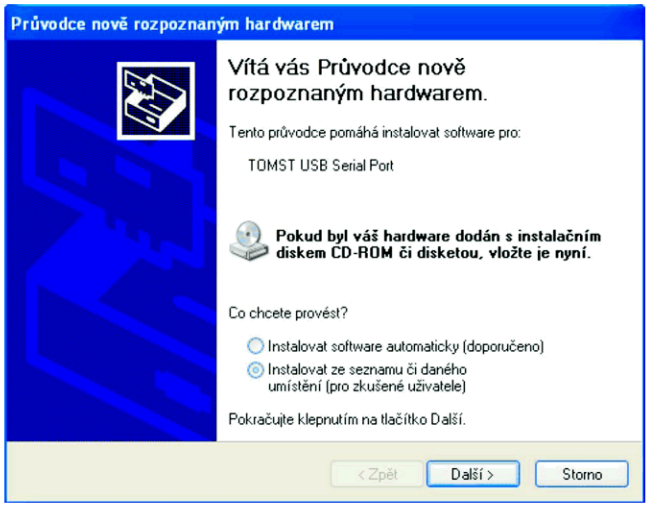
1A. Connect adapter to serial port, continue directly with chapter *Installation of WinKontrol.*

1B. Connect adapter to USB port, computer identifies new hardware and shows message *´Found new hardware´* in the right bottom part of the screen:

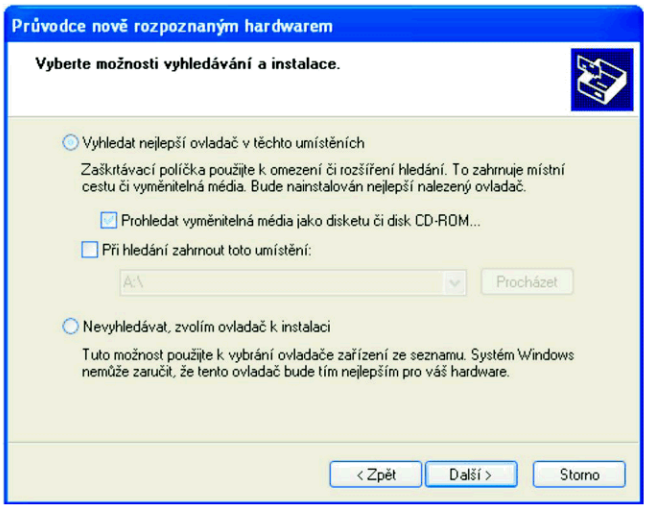


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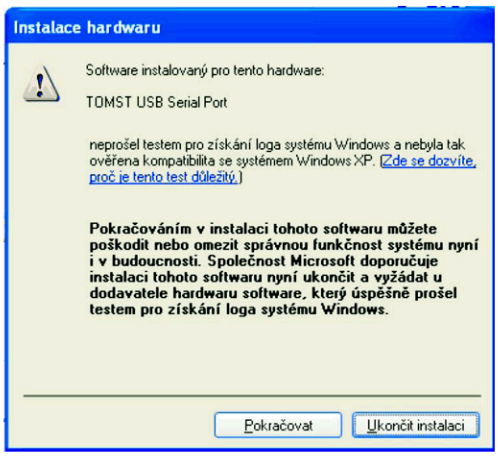
2. Within few seconds you see a window *Průvodce nově rozpoznaným hardwarem*. Choose *Instalovat ze seznamu či daného umístění'* and press button *Next*:



3. On next window select the place where TME adapter driver is located. If you install from diskette or CD, put the medium to drive, choose item *Prohledat vyměnitelná média jako disketu či disk CD-ROM* and press button *Next*:

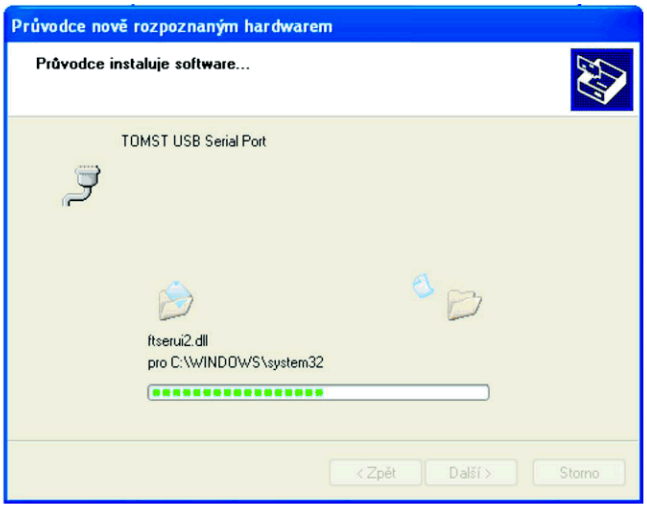


4. Windows are looking for TME adapter driver. If you see following window, press *Continue*:

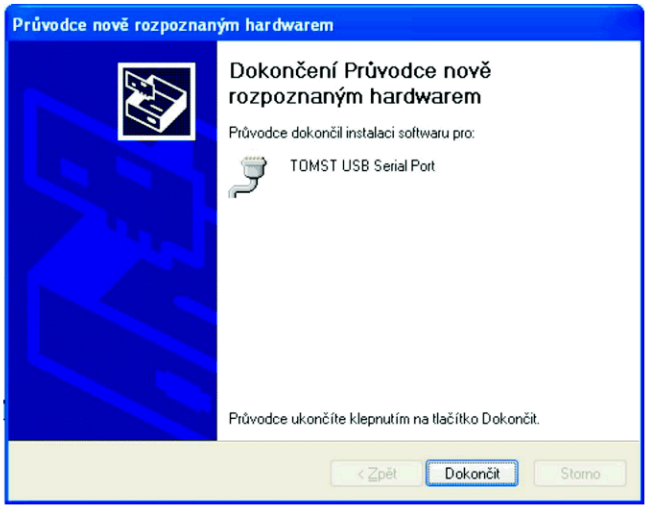


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5. Now the installation is running...



6. If the installation was correct, press button *Finish* on next window:



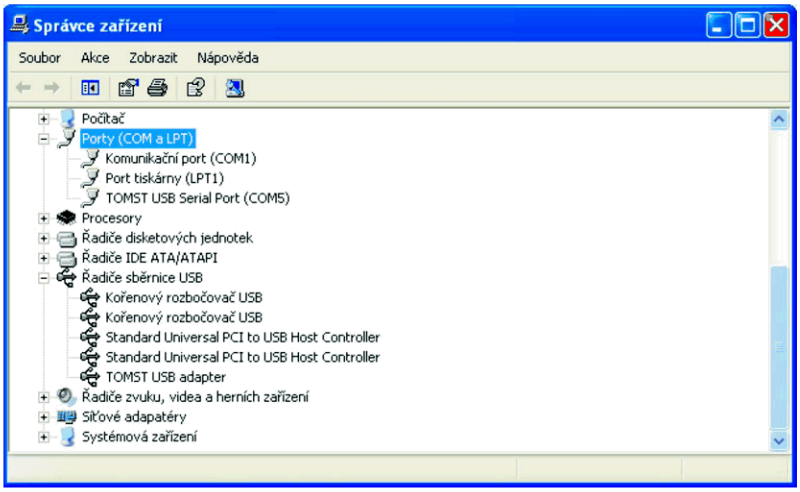
7. Windows connected adapter to one of free ports. The port number has to be found (if you need - changed) to enter it after installation of WinKontrol software. Proceed as following:

   - Click button *Start* and choose *Setting* - *Control panel* on the Windows screen.

   - Select item *System*.

   - Find the card *Hardware* and press button *Správce zařízení* (some Windows versions contain directly card *Správce zařízení*), new window *Správce zařízení* appears:

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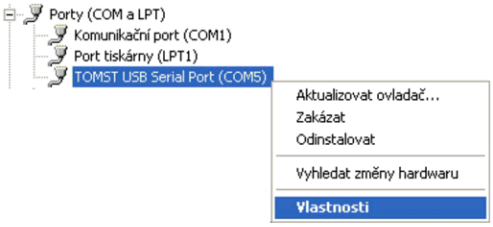


- Click on the item *Řadiče sběrnice USB* and check if *TOMST USB adapter* is on the list.

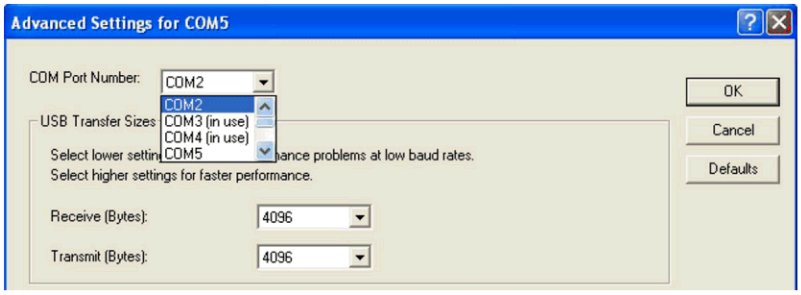
- Click on the item *Ports (COM and LPT)*, you see list of computer ports. Find *TOMST USB Serial Port* among them and read the number of assigned port in parentheses. Remember this number - it´s important to run the program.

If you need to change the number of assigned USB port (e.g. to set COM 2 instead of COM 5), follow this plan:

- Click with right button of mouse on the item *TOMST USB Serial Port* and select *Vlastnosti*:



- Choose the card *Port Settings* and press *Advanced*. You see a new window. Choose demanded port number in the field *COM Port Number*. Press twice *OK*.



- Now, disconnect adapter from USB port and connect it again.

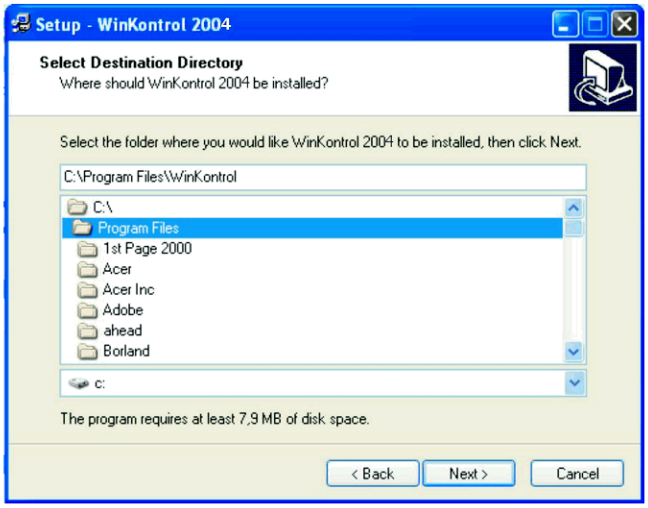
- You can check if *TOMST USB Serial Port* is assigned with demanded number in the window *Správce zařízení* v položce *Porty COM a LPT*.

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Installation of WinKontrol

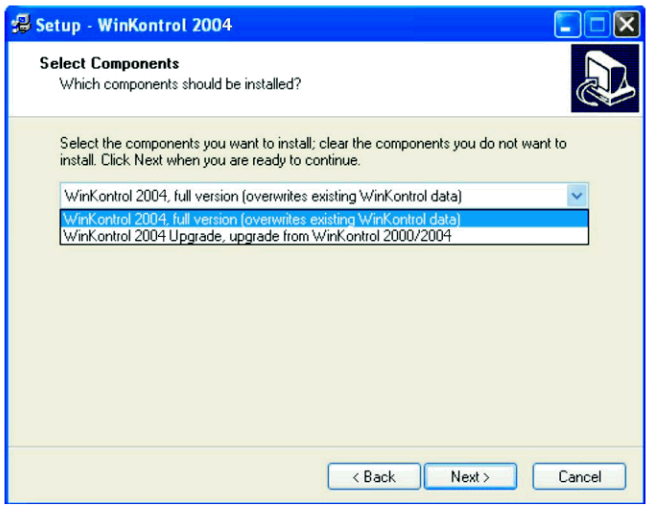
1. Put an installation CD to CD-ROM drive, choose the file setup.exe and start the installation by double-click on it you.

2. During installation follow the instructions in windows. In the window *Select Destination Directory* we recommend to keep predefined path to folder WinKontrol.



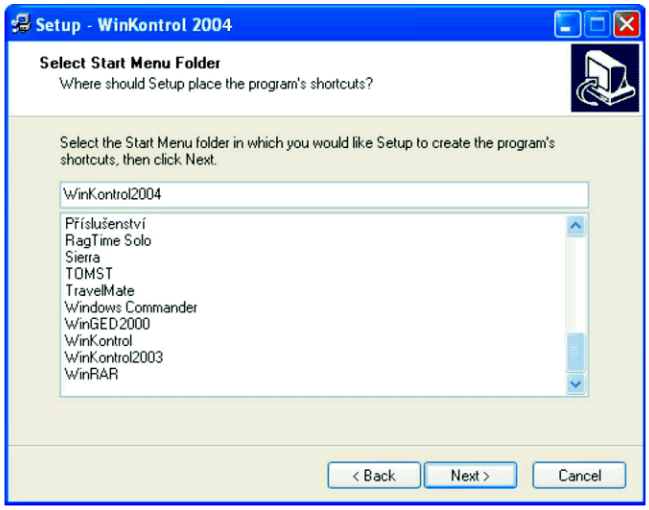
3. Next window is very important! Choose to install either *full version* of the program, or *upgrade* of already installed version.

ATTENTION!
Installation of full version deletes existing data, while installation of upgrade keeps existing data!



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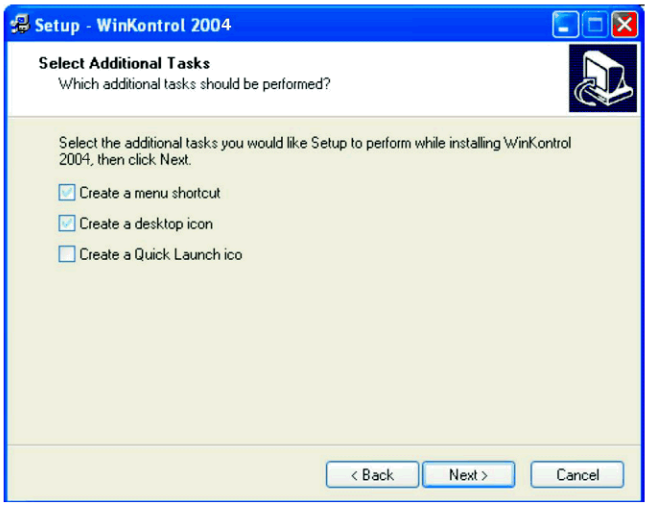
4. Next window offers folder of windows Start button, where the WinKontrol shortcut will be placed. **For less experienced users we recommend just to accept offered options.**



5. The window with information about copyright appears. In the next window you can confirm or change the preset way, where WinKontrol will be installed (see the picture). **For less experienced users we recommend just to accept offered options.** Next window shows the overview of accepted settings - confirm it or make changes by clicking the *Back* button and adjusting the information.

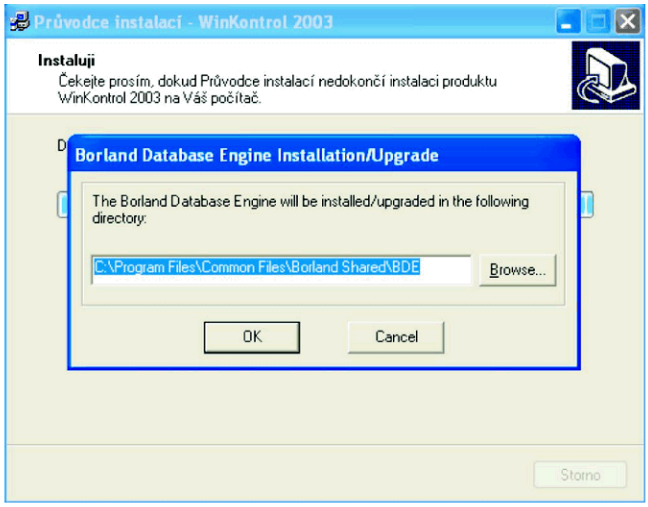
6. Next window shows a possibility to perform some added tasks (only during full installation):

   A) *Create a menu shortcut* - adds item to menu Start/Programs
   B) *Create a desktop icon* - creates shortcut on Windows desktop for quick launch of program
   C) *Create a Quick Launch icon* - creates icon on the bottom panel of Windows

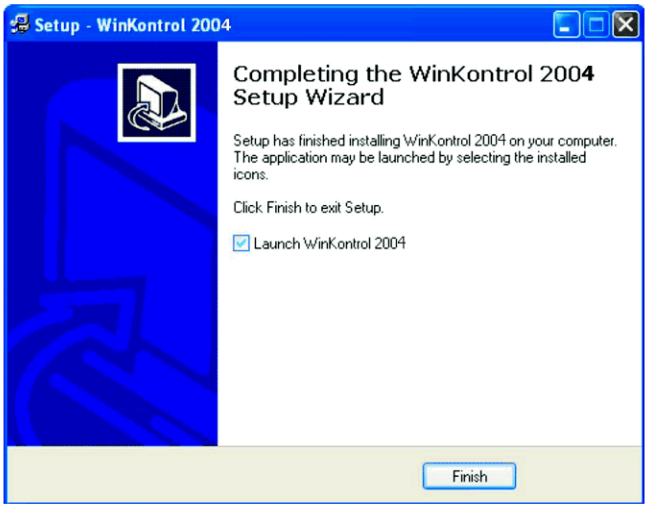


7. Installation is prepared now. Press *Install* on next screen and setup starts with copying files to HDD. Process of installation is displayed on your monitor.

8. Press *OK* in next window with request to confirm the *Borland Database Engine* installation.



9. Now, the installation finished. If you want to start WinKontrol immediately mark field *Launch WinKontrol 2004*.



First start of WinKontrol

If you start WinKontrol first time and see following message, press *OK*. Program did not find adapter and runs in DEMO mode.



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Adapter setting

After the installation the communication with an adapter is preset to serial port 2. If the program within the start process gives a message that the adapter was not found and that you should set it, in such case you connected the adapter to another port or you installed WinKontrol without connected adapter. Set it in window *Adapter*. If you do not set it, the program works only as a DEMO version and will not be able to read any data from a data chip nor to install new identification chips.

In the window *Adapter* you can set the port to which the adapter is connected and through which the communication will run. After this change you have to restart WinKontrol.

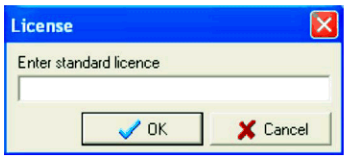
1. Select in menu *Settings/Adapter* and set correct *Adapter type* (if you use TME adapter, mark the field ´Adapter TMA´), then set the correct *Adapter port*.



2. Now restart WinKontrol.

Entering Standard license

If detection of adapter connected to one of the ports is successful, you see the screen *License*. Input license number of *Standard* version of WinKontrol (printed on your installation CD) to proper field.



Note: Complete information about types of licenses you find in chapter *Introduction / Evaluation program WinKontrol / Licenses*.

Note: To run Professional version see chapter *Settings / Professional license*.

Now the program is running. For more safety of your data we recommend you to set passwords for individual users (see chapter *Settings/Password*).

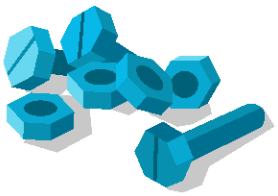
Program upgrade

If you are already actual user of WinKontrol version 2000, the upgrade to version 2004 is the same as installation - but in point 3) choose item *WinKontrol 2004 Upgrade*. Then skip point 5.

Take care to install WinKontrol **to the same** folder as the old one; else program can't work with your data. When you start WinKontrol first time you don't have to make any data conversion - program does it automatically.

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Hardware installation



To use fully all the abilities and advantages of the control system P.E.S., take good care to install correctly all the hardware components.

However the installation is not complicated, next chapter will show you how to go through the complete process swimmingly. You find also some tips to avoid mistakes.

Placing of hardware components

Sensors

Place the portable electronic sensors P.E.S. at guard's working place. Usually more employees use 1 sensor; we recommend to make a record book to register when and who uses the tool.

Guard's identification chips

The chips can be fixed in a plastic key pendant. The other option is to fix them (the best with glue) in the guard's office, where the route starts. It is approved to make a table with names of guards and to glue their personal identification chips under the names.

Checkpoints

The identification chips assigned to signalize the checkpoints can be fixed on more ways. The first one is to glue them with epoxy glue on the smooth metal surface. If such surface is not available, it is possible to put the chip into a plastic holder, which is screwed down to the wall. For massive fixing TOMST® offers special ´Anti-vandal´ holder. Chip once placed into this holder can't be demounted without damage of the holder of chip itself.

Recommendation before installation

Before you start the installation we offer some advices for optimum use of the software:

- After you install the program don't forget to enter all information about sensors, checkpoints, guards and routes. Please do it carefully and intelligibly to make it clear also for your colleagues.
- Entering the *Routes* gives you basic level of automatic evaluation. It is necessary to run other functions: *Tours* and *Schedules*.

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Quick guide to install hardware

This chapter shows you how to work with basic features of WinKontrol - with guards, sensors and checkpoints.

To acquire the most benefit from WinKontrol program, it is necessary to input particular hardware components into appropriate databases and then divide them according to their functions in practice. The whole process looks following:

ⓘ **ATTENTION**
The same chips DS1990A are used to identify the checkpoints as well as to identify the guards.

- Input sensors PES into database of sensors.
- Input personal identification chips into guard's database.
- Input identification chips into checkpoint database.
- Deliver sensors to the guards in the working place.
- Deliver the personal identification chips to the guards or fix them in the workroom.
- Place and fix the identification chips at the checkpoints.

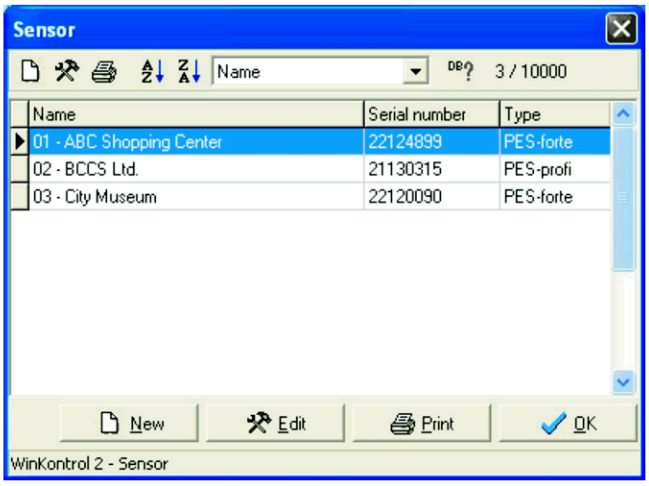
Database control
Program WinKontrol works with 7 databases. The manipulation with them is very similar. Therefore we show complete description with all dialog boxes only to control database of sensors, the other databases are described just with specific functions.

Note: The method of program control and movement inside the dialog windows are described in the chapter *Work with program*.

Entering new sensor

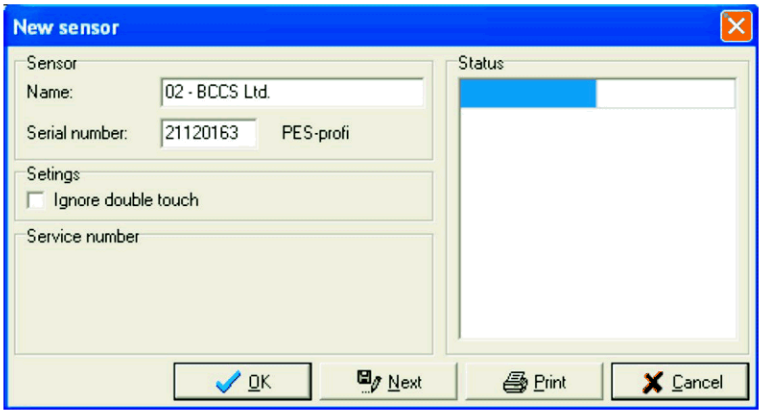
Entering sensors into database is necessary to understand which sensor was used during realization of particular route.

Click on the icon  in the main menu, next dialog box *Sensor* opens:



If you want to input new sensor into database, press button , you see the window *New sensor*. Insert name and serial number of the sensor, program identifies its type itself.

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The field 

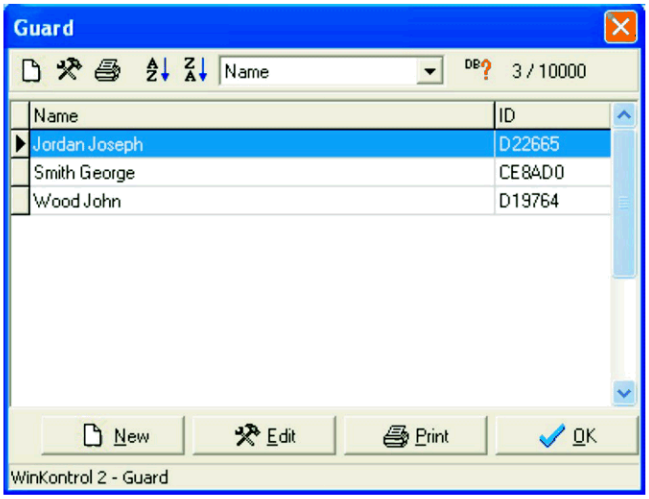
means that multiple reading of the same chip is recorded only once. If you mark this field and the guard by mistake applies the sensor more times to the same chip, program evaluates such event as only one application.

More about work with sensors in chapter *Work with program/Data/Sensor*.

Entering new guard

Input guards into database are necessary to understand who performed particular route in the notation.

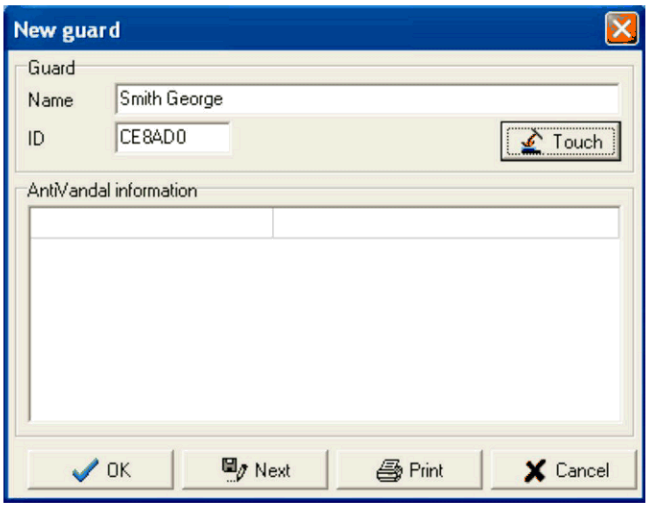
Click on the icon  in the main menu, new dialog box *Guard* opens:



If you want to input new guard into database, press button 

, you see the window *New guard*. Insert guard's name and identification number (ID) of his personal chip.

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There are 2 ways of inputting the chip ID number to the database:

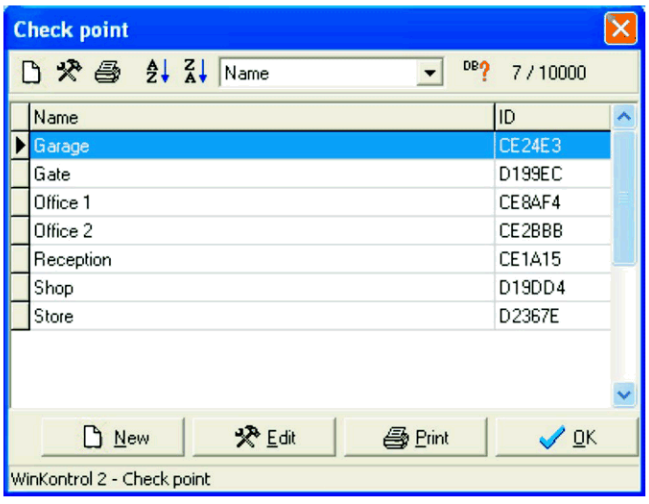
1. **Manual insert** of 6 last numbers from the 12number code on the chip case (e.g.: *if chip no. is 000023CE8AD0, write 'CE8AD0' to the field 'ID').*

2. **Automatic reading** of the chip code through adapter connected to PC. In this case press button *Touch* and follow the instructions.

More about work with guards in chapter *Work with program/Data/Guard.*

Entering new checkpoints

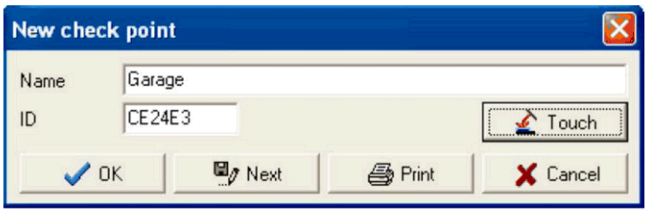
Click on the icon  in the main menu, new dialog box *Checkpoint* opens:



ⓘ ATTENTION
Be careful to keep order in which id. chip belongs to which checkpoint.

If you want to input new checkpoint into database, press button , you see the window *New checkpoint*. Insert name and identification number (ID) of the chip that will be later placed on appropriate control place.

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There are 2 ways of inputting the chip ID number to the database:

1. **Manual insert** of 6 last numbers from the 12number code on the chip case (e.g.: *if chip no. is 000BD3CE24E3, write 'CE24E3' to the field 'ID').*

2. **Automatic reading** of the chip code through adapter connected to PC. In this case press button *Touch* and follow the instructions.

The checkpoint's database differs from the guard's database only with the names given to chip id. numbers. We recommend to choose places of checkpoints on such way, that the guards has to visit strategic places, which might not be otherwise visited. It is useless to increase the amount of checkpoints. The names of particular checkpoints should exactly describe the place, where they are placed.

More about work with guards in chapter *Work with program/Data/Checkpoint.*

AT THIS MOMENT WINKONTROL IS ABLE TO IDENTIFY GUARDS, CHECKPOINTS AND SENSORS. SO IT IS PREPARED FOR BASIC UTILIZE.

AUTOMATIZATION of the work can be reached by using of Routes, Tours, Schedules (see chapter *Work with program/Data/Route - Tour - Schedule*).

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Work with program



Next chapter helps you to understand how does the program work, shows the methods of control and gives you some tips to use the program on the most effective way.

Start of program

Program WinKontrol is started with the file WINKONTROL.EXE in the folder where it is installed (usually C:\Program files\WinKontrol). There is more ways how to start the program (see the chapter *Software installation*). The most comfortable is to start from the Windows desktop. WinKontrol start doesn't need any password as long as you don't set it up.

To run the program you need at least 20 MB free space on your HDD.

Control

The program control is simple and graphical - with the keyboard or mouse.

The control by mouse means that you place a cursor by movement of mouse to the item or button and press left mouse button.

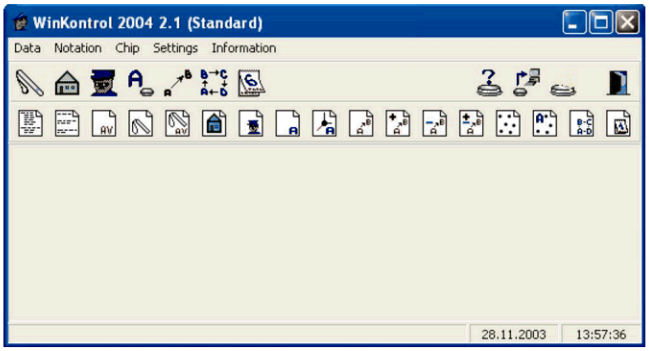
If you use keyboard you can work with following keys:

Key	Function
[Tab]	move to next item
[Shift] + [Tab]	move to previous item
[F1]	help
[Delete]	delete the item
[Enter]	choose the item, confirmation of chosen operation
[Esc]	step back
[↑]	move in menu up
[↓]	move in menu down

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Menu description

For quick and intuitive orientation, the main menu is divided into thematic wholes. Frequently used functions are also displayed as icons under the main menu toolbar.



Data

This menu serves to gather information about components of the system P.E.S. It enables to enter, change and delete items, view and print listings. It contains also an item *Exit* to exit the program.

Notations

In this main menu item you can view and print reports from realized routes. The reports can be created in more variants.

Chip

The Chip menu cooperates with the adapter. It arranges cooperation with data chips, it means the transfer of data recorded during route from the data chip to PC. With the Chip menu items you can set the data chip functions and you can get information about the chip applied to the adapter. The item *Data chip check* enables the user to check if data chip works correctly.

The items do not work in program DEMO mode.

Settings

In this menu you find functions to set parameters of program (setting of print, colors, passwords, adapter, language etc.).

Info

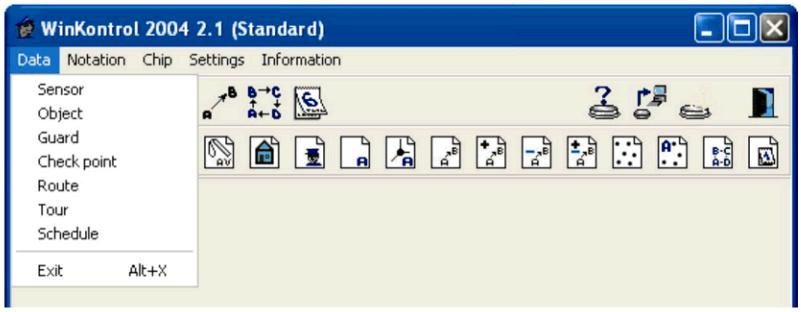
Besides the program help there are some info about the connected adapter, filling of databases and about the system producer, distributor and software programmer.

Next chapter describes particular items of menu in details. Majority of items can be initiated also by click on a button in the main program screen.

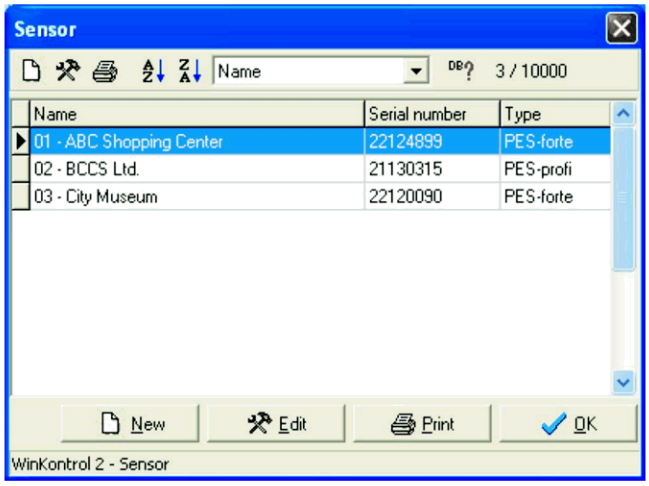
Copyright TOMST®

Data

Menu *Data* enables to enter and edit items, which belong to guard control system.



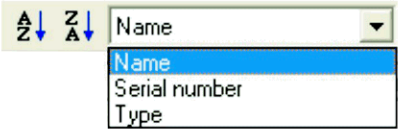
Basic windows of all the items of menu *Data* are almost the same; so next chapter *Sensor* describes all common settings. Description of other items concern on their specific features.



 or  = entering new item into database

 or  = editing of existing item

 or  = print of data (see *Settings/Printer settings*)



= sorting of items in table descending () or ascending () in the selected field

 = status of database shows current amount of items in particular database (sensor, guard etc.)

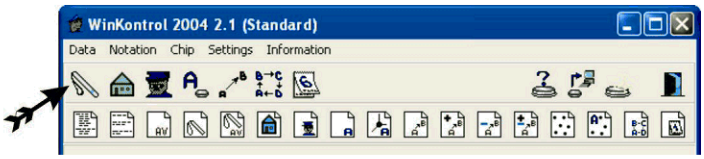
 = current no. of items in selected database / maximum no. of items

 = closes actual window

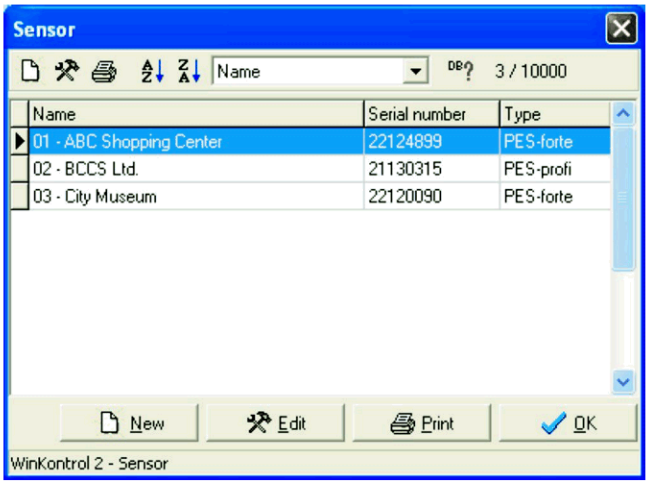
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Sensor

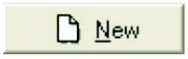
This item allows you to enter, view, sort, edit and print list of sensors.

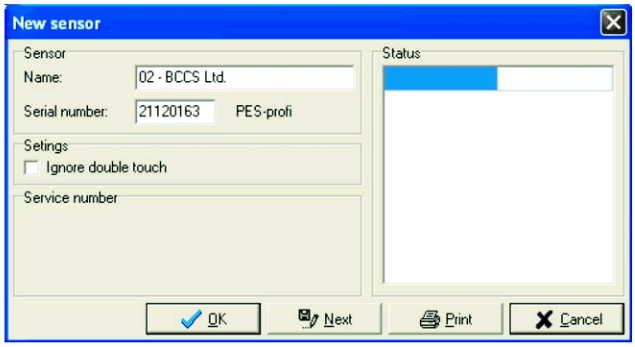


Basic window shows all inserted sensors including serial numbers and types.



Entering new sensor

1. Press button  in window *Sensor*. Next window *New sensor* appears:



Description of items - see next chapter *Editing sensors*.

2. Enter name and serial number of the sensor.

3. The field  means that multiple reading of the same chip is recorded only once. If you mark this field and the guard by mistake applies the sensor more times to the same chip, program evaluates such event as only one application.

If you want to use this function, mark the field.

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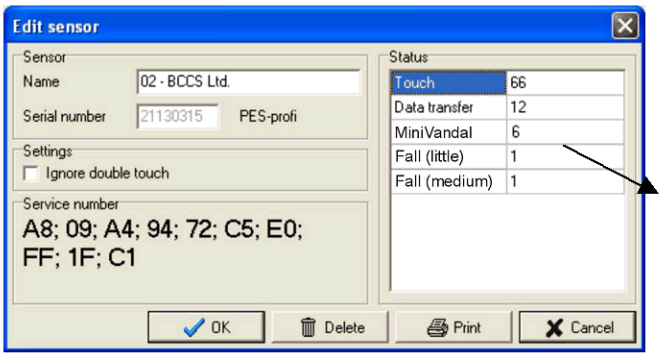
Editing sensors

You can edit name of the sensor, possibility to ignore multiple application (see chapter *Entering new sensor*). Button *Delete* erases sensor from database.

Note: Serial number of the sensor can't be changed.

1. Press button 

in window *Sensor*, dialog window *Edit sensor* appears:



Window *Status* contains information about amount of following events:

Application = amount of contacts between sensor and identif. chips
Data transfer = amount of data transfers from sensor to data chip
Mini-vandal *
Fall little - medium - large*
Short circuit*
Overvoltage*
High temperature*

* see *Introduction/What's new in hardware*

2. Perform needed changes. Button *Delete* erases sensor from database.

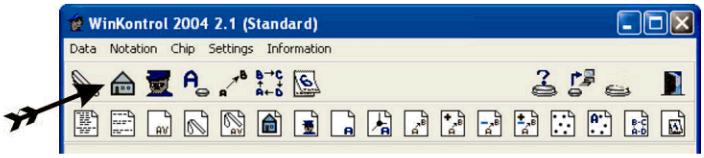
Items in dialog window ... is used...

Name	*...to write name of the sensor (best according to place of operation)*
Serial number	*...to register serial number of sensor (placed on the sensor's body)*
Ignore multiple applications	*...to record multiple application of the same chip only once*
Service code	*...for needs of producer (is generated automatically without intervention of user)*
Status	*...to show all available information about sensor operation (see frame next to the picture)*

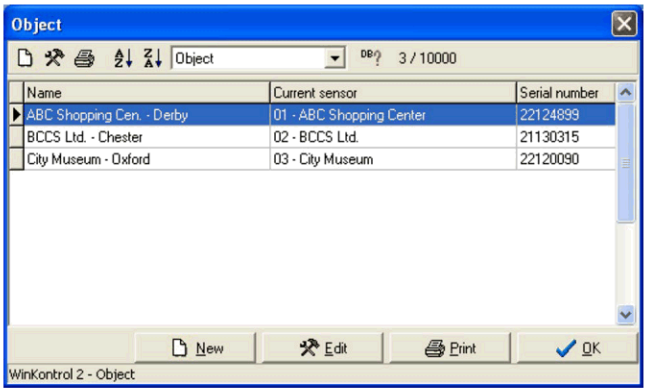
Note: IF YOU SEND A SENSOR FOR REPARATION, YOU HAVE TO ENCLOSE ALSO IT´S **SERVICE CODE**!

Object

This item keeps overview about entered objects and all sensors operated inside them. Of course there is possibility to print this data.



Basic table shows objects, currently used sensors and their serial numbers.



Note: You can't make object notation without entered objects!

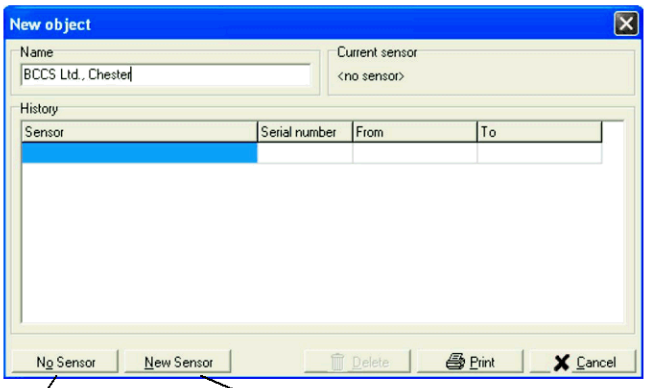
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Each object can be equipped with max. 1 sensor.

Entering new object

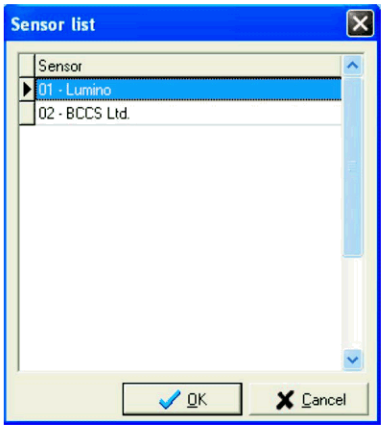
1. Press button 

in window *Object*. Next window *New object* appears:
2. Enter object's name.



3B. If you don't want to assign any sensor to the object for the present, press *No sensor*. Object will be saved without sensor.

Sensor can be added later with button *Edit* in the window *Object*.



3A. Assign a sensor to object with button *New sensor* and select it from the list.

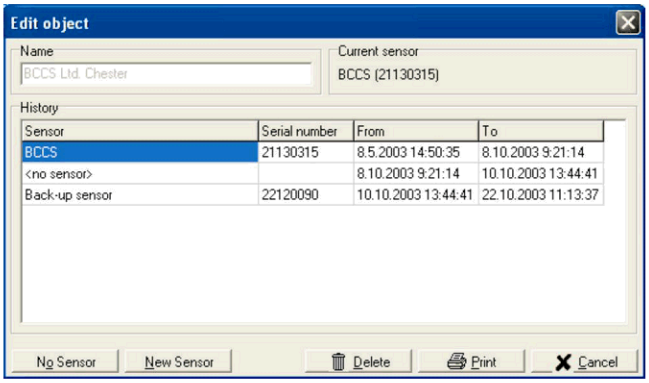
The object is saved into the database including assigned sensor.

Editing objects

You can see the complete history of sensors used in selected object and assign another one (or none).

1. Press button 

in window *Object*. Next window *Edit object* appears:

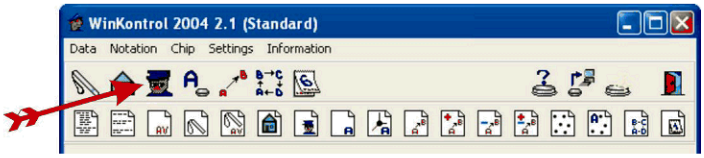


2. You can assign new sensor or none (see last section *Entering new object / point 3A -3B)*. Button *Delete* erases object from database.

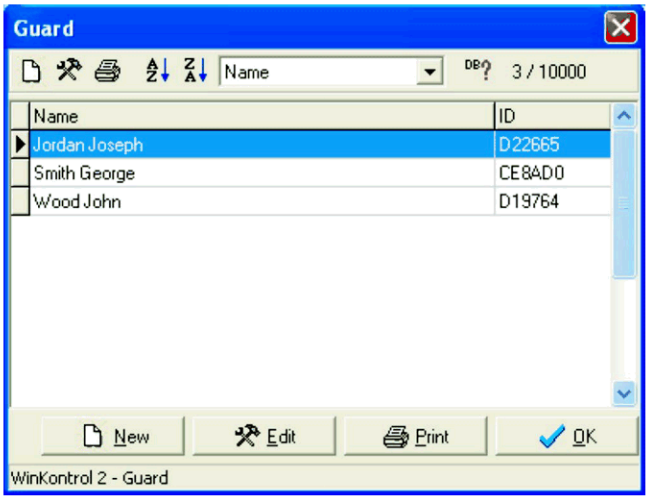
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Guard

With this item you enter, edit and delete guards from the database. You can also print and view list of guards.

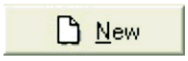


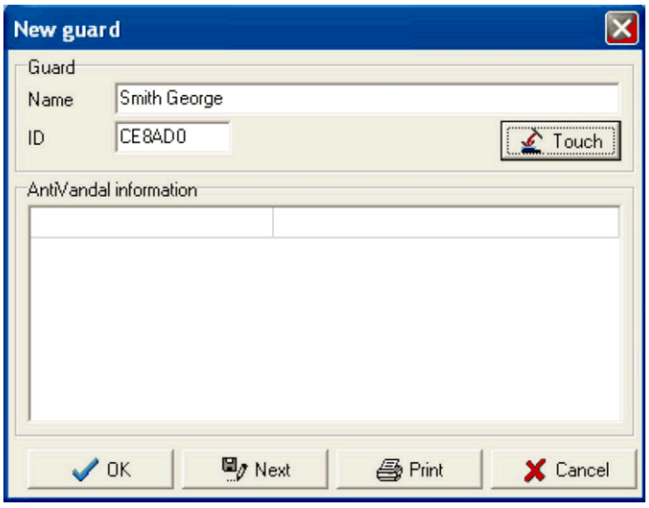
Basic screen displays names and identification numbers (ID) of the guards.



Note: You can't make Guard notation without entered guards!

Entering new guard

1. Press button  in window *Guard*, next window *New guard* appears:



2. Enter guard's name.
3. Enter identification number (ID) of the guard. There are 2 ways how to do it:

A) **Manual insert** of 6 last numbers from the 12number code on the chip case (e.g.: *if chip no. is 000023CE8AD0, write 'CE8AD0' to the field 'ID').*

B) **Automatic reading** of the chip code through adapter connected to PC. In this case press button *Touch* and follow the instructions.

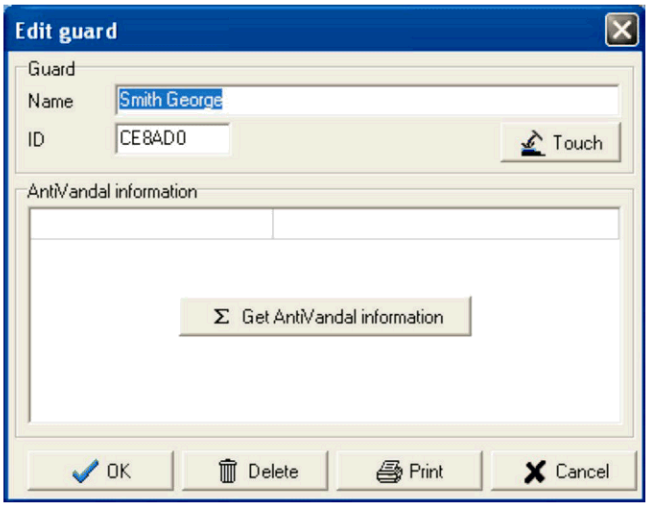
Copyright TOMST®

Editing guards

You can change guard's name and his ID or delete guards from the database.

1. Press button 

in window *Guard,* next window *Edit guard* appears:



Control is the same as in last chapter *Entering new guard.*

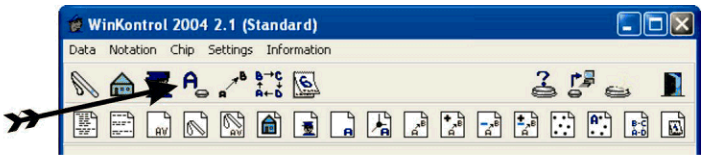
Get AntiVandal information
After pressing this button the list of attempts to destroy sensor done by selected guard appears.

For more see *Data/Sensor/Editing sensors* and *Notations/Anti-vandal notation, Sensor anti-vandal notation*

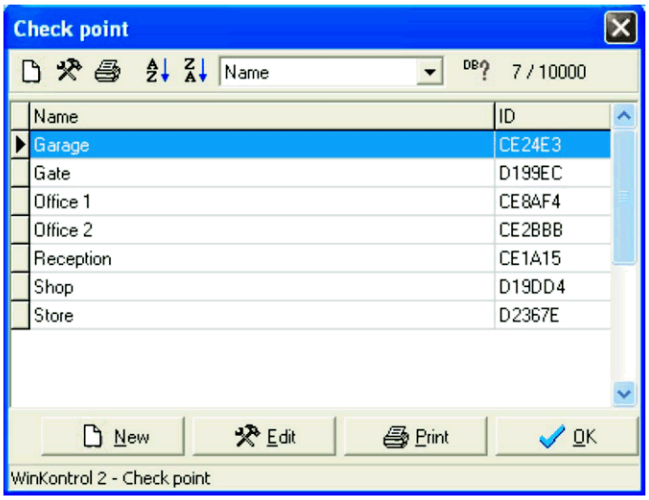
2. Perform needed changes. Button *Delete* erases guard from the database.

Checkpoint

This item allows you to enter, edit and delete checkpoints (means particular points on the route). You can also print and view their list.

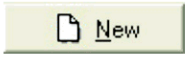


Basic screen displays name and ID of the checkpoints.

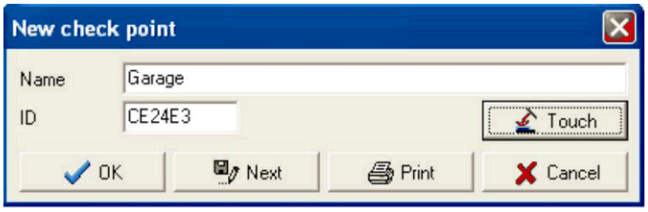


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Entering new checkpoint

1. Press button 

in window *Checkpoint*, next window *New checkpoint* appears:



2. Enter name of the new checkpoint.
3. Enter identification number (ID) of the checkpoint. There are 2 ways how to do it:

A) **Manual insert** of 6 last numbers from the 12number code on the chip case (e.g.: *chip no. is 00CAB2CE24E3, write '**CE24E3**' to the field 'ID').*

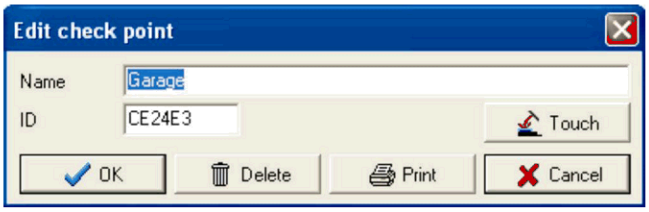
B) **Automatic reading** of the chip code through adapter connected to PC. In this case press button *Touch* and follow the instructions.

Editing checkpoints

You can change name and ID of the checkpoint or delete it from the database.

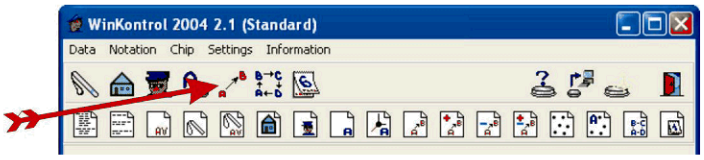
1. Press button 

in window *Checkpoint,* next window *Edit checkpoint* appears:



2. Perform needed changes. Button *Delete* erases checkpoint from database.

Route



This is a basic function that simplifies evaluation of received data. It allows to set together the checkpoints registered in database to demanded sequence which has to be respected by guards during passing the route. If you name such group you created *Route.* We recommend to create such routes that are simple to remember and give them logic name according to the place, direction, sense etc.

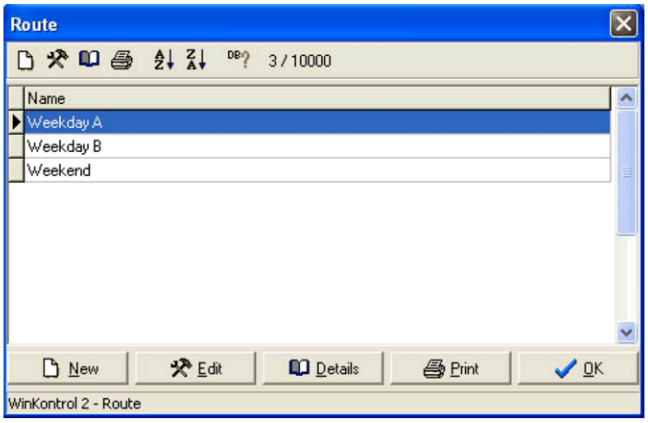
The advantage of work with routes is that if you make a notation you see just 1 line with information whether selected route was performed OK or not. You don't have to search long list of particular checkpoints.

In database of routes you can enter, adjust, delete the routes, view and print their index.

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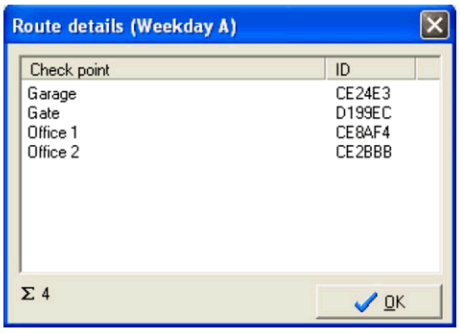
Note: Successful evaluation of the routes is conditioned by applying the guard's identification chip (entered into the database *Guards*) before start of **each** route. Only this procedure enables WinKontrol to divide individual routes. If any guard doesn't keep this method in practice, the program will not be able to evaluate neither the route neither any other process of automatic evaluation (*Tour, Schedule*), which are dependent on correctly performed route. As well the evaluation will not be accomplished OK, if any of the checkpoints misses or the order of checkpoints is incorrect (such mistakes can be found using specialized notations - see chapter *Notations*).

Basic screen displays list of routes:



To see basic overview of the route, select desired route and press button *Details*. Next window *Route details* shows list of checkpoints in the route.

The sequence of checkpoints is very important, only in this sequence the route is passed correctly!

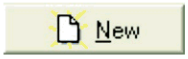


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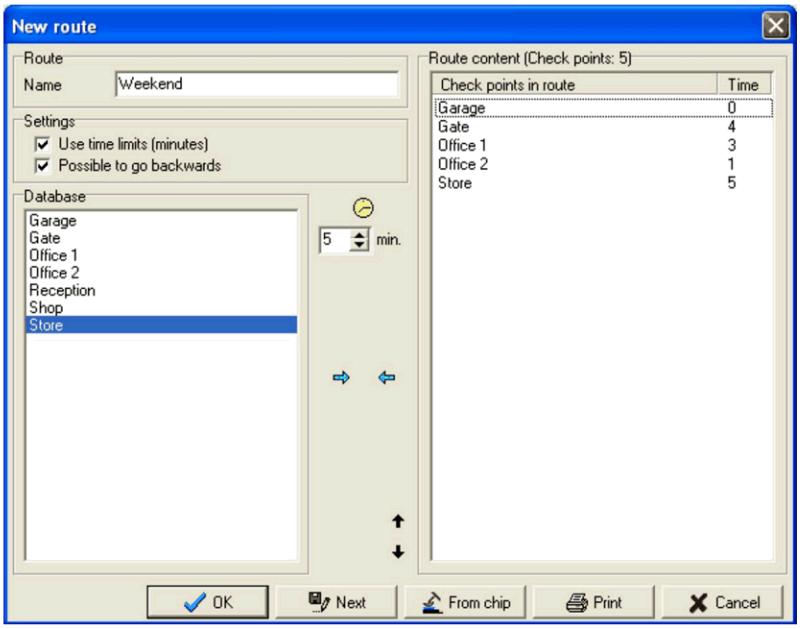
Entering new route

There are 2 ways how to do it:

A) Manual entering

1. Press button 

in window *Route*, next window *New route* appears:



2. Enter name of the new route.
3. Determine to use or not time limits = between application of sensor to 2 different checkpoints, there must expire at least rated time period (minimum to set is 1 minute).
4. Another optional function is *Possibility to go backwards*, which allows the guard to execute the route also in the reverse order. If you mark this function, you don't have to set the route in the reverse order - WinKontrol recognizes it and in the notation it is labeled as route in reverse order.
5. Then the checkpoints have to be transferred from the left frame *Database* to the right frame *Checkpoints in route*. This transfer has to be done in the order, in which the route should be accomplished in practice. Mark the chosen checkpoint and click on the appropriate arrow  indicating the move direction. To delete a chip from database *Checkpoints in route* mark it and click on the button .

ATTENTION!* In case you activated the function *Time restriction*, it is necessary to fill the minimum length of interval before you copy chip to *Route contents.

6. Change of chip order in route can be done with buttons  and . Now the route is assembled.

B) Entering from data chip

You can enter the route also by copying through data chip.

1. Record checkpoints into to sensor on such sequence as your route should look like.
2. Copy these data from sensor to data chip.
3. Press button 

in window *New route* and apply data chip to the adapter (follow the instructions). Recorded data appear in the list of checkpoints now.

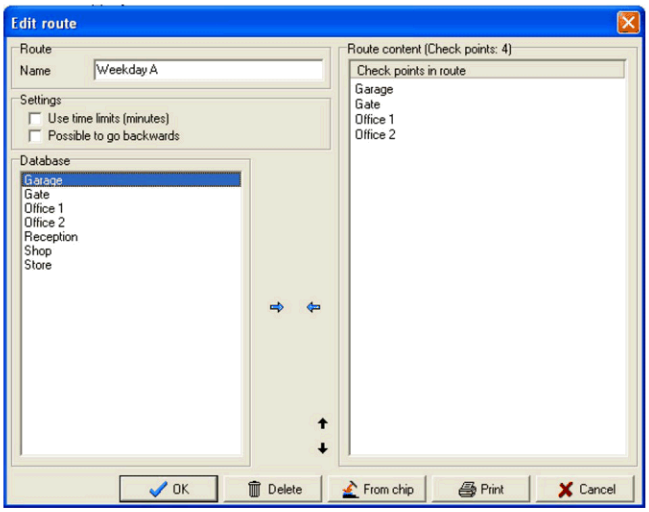
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Editing routes

You can change name and contents of the route and set different parameters of *Time limits* and *Possibility to go backwards*.

1. Press button 

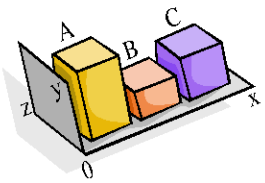
in window *Route,* next window *Edit route* appears:



Control is the same as in last chapter *Entering new route*.

2. Perform needed changes. Button *Delete* erases route from database.

Automatic evaluation



To make work with WinKontrol simple and to save maximum of your time, program is equipped with functions of automatic evaluation, which enable to check the guard's work during chosen time period without necessity of time consuming viewing of performed routes notations.

These functions are prepared for more experienced users, who are able to use the advantages of automated evaluating in practice.

Principle of automated evaluation function

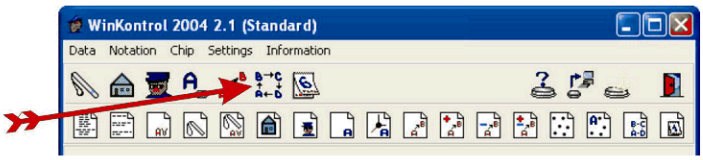
ⓘ **ATTENTION**
To run the function *Schedule* it is necessary to activate the function *Tour*, but it is no valid by contraries.

The automated evaluation consists of functions *Tour* and *Schedule*, which simplify the check of executed routes. You can define daily (*Tour*) or weekly (*Schedule*) route variants, which guards should perform. Then you can simply compare the executed guard's work with your predefined variant in the *Tour* or *Schedule notation*. The result of this comparison is clearly organized on the

Note: We recommend to use these functions when you understand the basic functions of WinKontrol. The meaningful setting of tour and schedule variants should be done carefully and not headlong. Please reserve enough time for this activity.

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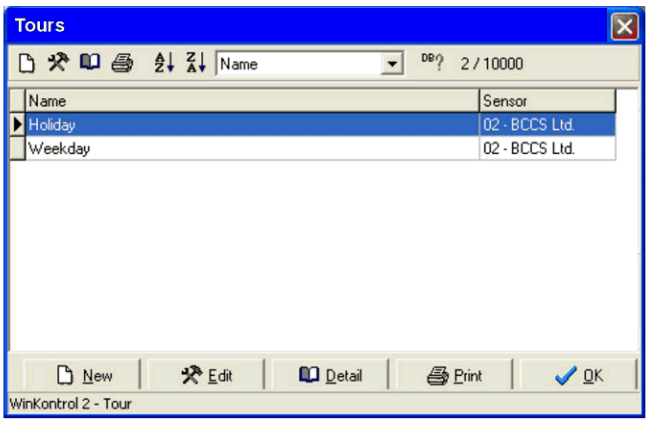
Tour



The function *Tour* is continuation of the function *Route*. The selected routes are assembled into time blocks, in which the guarding should be performed. The routes are set up into *Tour* with the time of their start and finish. Their order can be combined at random.
One tour can take max. 24 hours; it means that 1 tour is a route plan for max. 1 day.

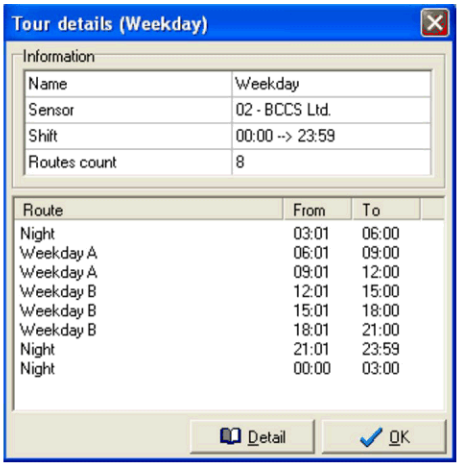
Work with database *Tours* provides more comfortable evaluating of guard's work.

Basic screen displays list of tours and assigned sensors:



To see basic overview of the tour, select desired tour and press button *Details*.

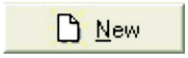
Next window *Tour details* shows time period in which the tour has to be performed and list of included routes. Each route has to be performed in entered time period.



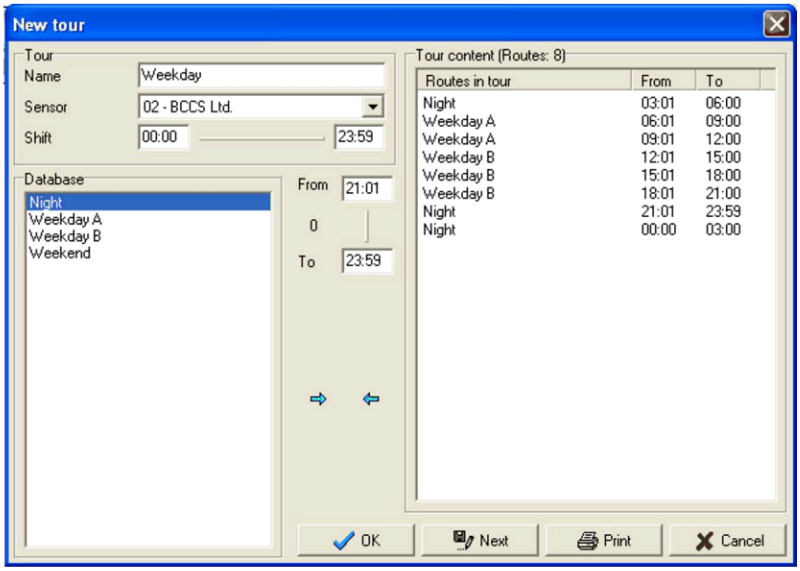
If you want to see contents of particular route, click on it and press the button *Detail*.

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Entering new tour

1. Press button 

in window *Tours*, next window *New tour* appears:



2. Enter name of the new tour. We recommend to choose its name according to week days or according to system of guard's work (e.g.: Weekday, Weekend, Monday, Night shift...).
3. Select the sensor used to perform this tour.
4. To differ among individual tours enter time (in hours and minutes) of beginning and finish.
5. Then routes have to be transferred from the left frame *Database* to the right frame *Tour contents* with the button . Enter routes in desired order and don't forget to set time period, in which particular route has to be performed, before you copy the route itself. To delete route from database *Tour contents* mark it and click on the button .

ATTENTION! *Time of finish of one tour and beginning of another one must not overlap (e.g.: if tour no.1 finishes at 18:00 then tour no.2 can start at earliest at 18:01).*

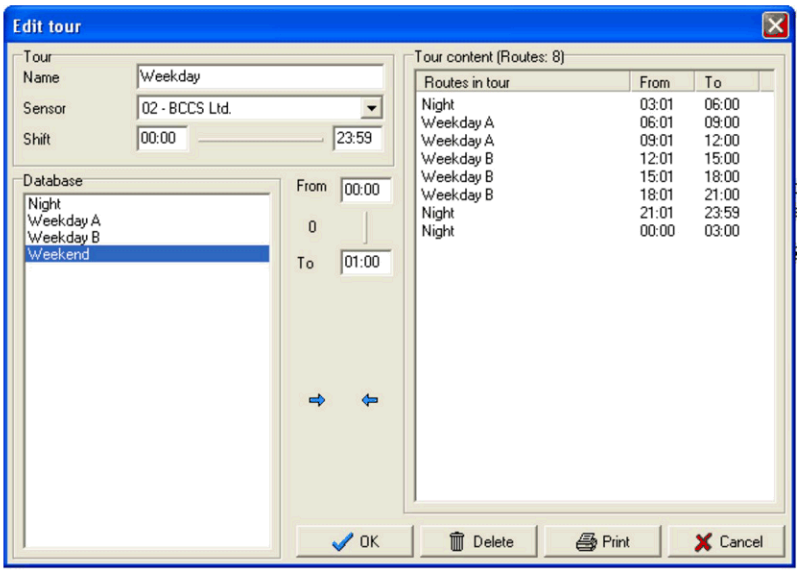
Editing tours

You can change name of the tour, set different sensor, set new beginning or finish and adjust list of routes including their time periods.

1. Press button 

in window *Tours,* next window *Edit tour* appears:

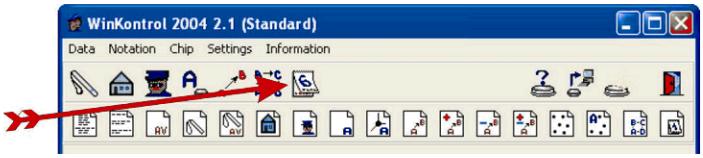
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Control is the same as in last chapter *Entering new tour*.

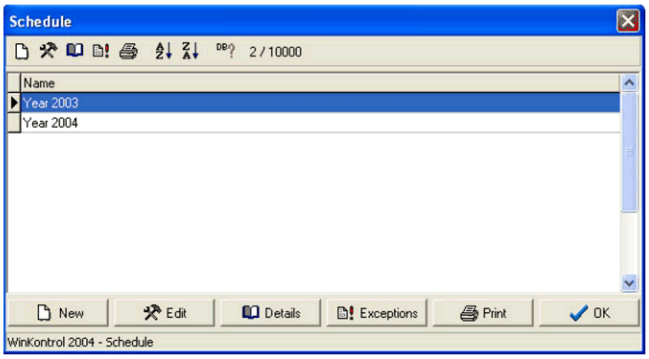
2. Perform needed changes. Button *Delete* erases tour from database.

Schedule

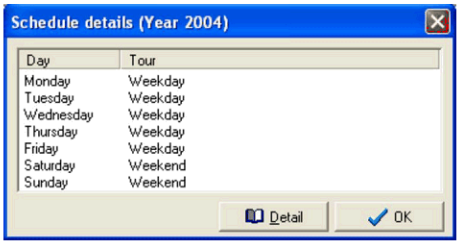


Schedule is another function enabling automatic evaluation and thereby provides comfortable viewing and evaluating of guard's work. Making schedule means to set particular *tours* to 1 week period. Individually defined tours are simply assigned to days of week

Basic screen displays list of the schedules:



To see basic overview of the schedule, select desired schedule and press button *Details*. Next window *Schedule details* shows list of weekdays and tours assigned to them.



If you want to see contents of particular tour, click on it and press the button *Detail*.

Keep the same method to see the content of particular route.

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Exceptions

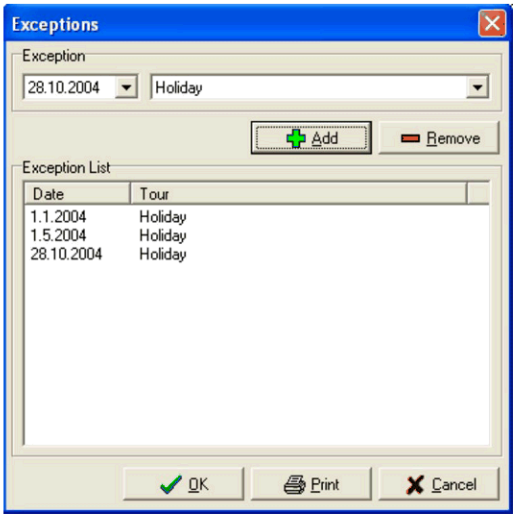
Exceptions are important part of Schedule.

What to do if it happens that public holiday (or another non-standard day with special plan) is just in the period of justified Schedule?

You don't have to do complicated replanning. In this situation you can use function *Exceptions*. Select the button *Exceptions* in the window *Schedules*. Enter the date and assign a suitable kind of *Route* to it (e.g.: May 1st is Monday. Standard route should be *Weekday*, but because of holiday you assign it with route *Holiday*).

Note: For official public holidays we recommend to create the route *Holidays* with different time of start and finish of the shift. This route would be assigned to exceptions. If shifts are not same in different holidays, you can make more routes with different names (*December 24th* - company holiday, *January 1st* - New Year, etc.). These particular exceptions are assigned to concrete dates according to your needs. Off course the route *Holidays* has to be entered to the database *Routes*.

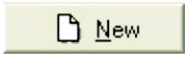
1. To display list of exceptions press button *Exceptions* in the window *Schedules*. New dialog window *Exceptions* appears:



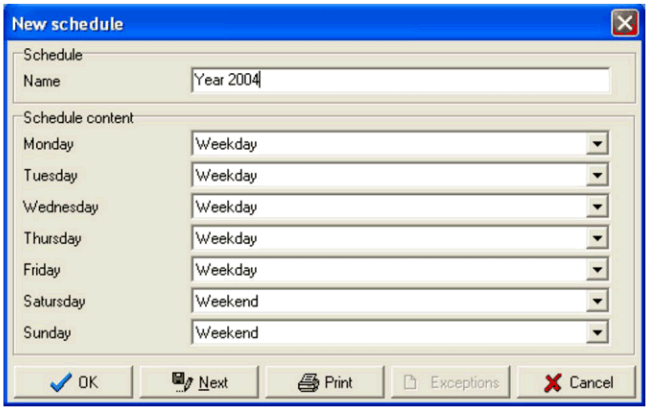
2. Choose date when the exception has to be applied.
3. Determine type of route that has to be executed in chosen date.
4. Add this exception to the list with button *Add*. (To remove the exception, go to *Exceptions list*, click on it and use button *Remove*).

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Entering new schedule

1. Press button 

in the window *Schedule*, next dialog *New schedule* appears:



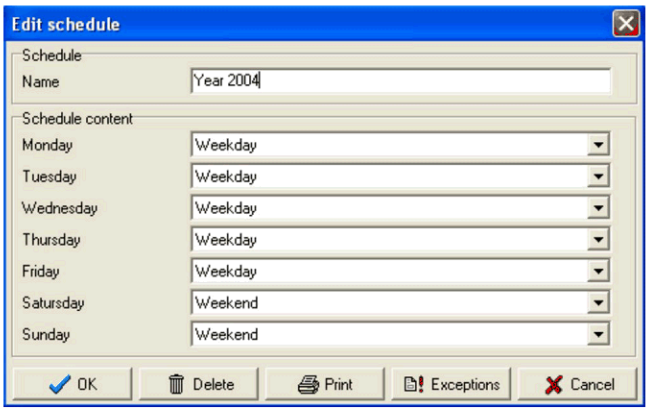
2. Enter name of the schedule. We recommend to choose the name according to period it is determined for (year, quarter, etc.).
3. Now assign tours to particular days.

Editing schedules

You can change name of the schedule, assign different type of tour to particular days and edit list of exceptions.

1. Press button 

in the window *Schedule*, new dialog window *Edit schedule* appears:



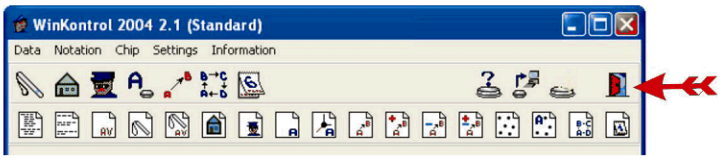
Control is the same as in last chapter *Entering new schedule*.

If you want to enter or edit exception, press button *Exceptions*, see chapter *Schedule/Exceptions*.

2. Perform needed changes. Button *Delete* erases schedule from database.

Exit

Exit of program WinKontrol.

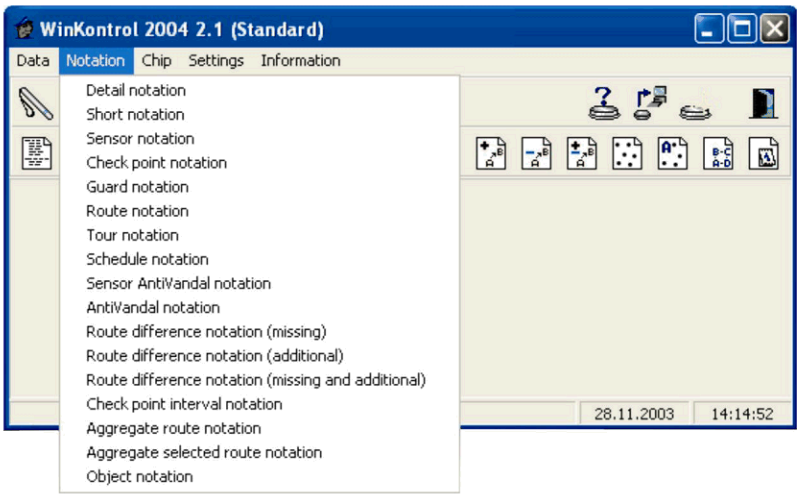


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Notations

Program enables to process data transferred and saved on HDD in different ways to fulfil needs of users. Next chapter familiarizes you with each of them. Find such notations, which suit your way of using Control system P.E.S. best.

All kinds of notations are offered in the menu *Notations*:



or on the main toolbar of WinKontrol:



Note: Next chapter *Detailed notation* describes ways of entering parameters to generate particular notation. These ways are similar in generating other notations so we don't repeat them again.

Detailed notation

ⓘ **ATTENTION**
The *Detailed notation* uses settings of function *Route*.

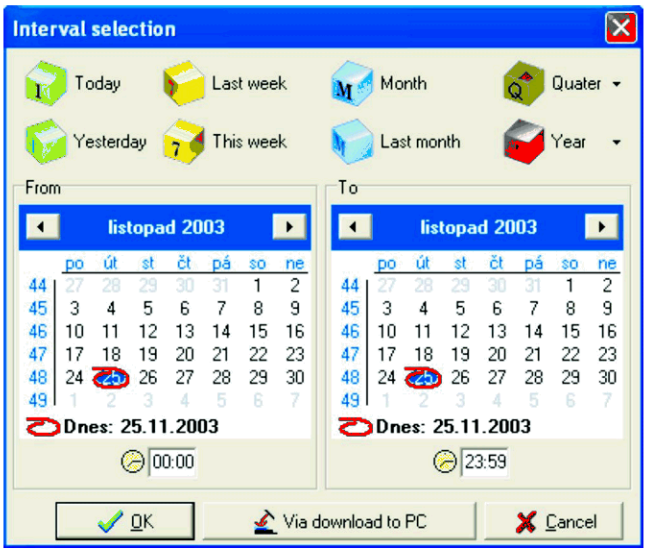
This version is the simplest form of processing notation and helps to do a detailed check of guard's work.

Parameters for evaluation are entered step by step to the fields displayed after initiation of the notation. There are 2 kinds of notation processing. The first one is notation made according to time interval, in which sensor was used. The second one is processing according to date of loading data to PC.

Note: Both ways are valid for all types of notations excepting *Tour notation* and *Schedule notation*.

1. Press button  on main toolbar or go to main menu and select *Notations/Detailed notation*. New dialog window *Interval selection* opens:

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2. Enter time interval of the notation.

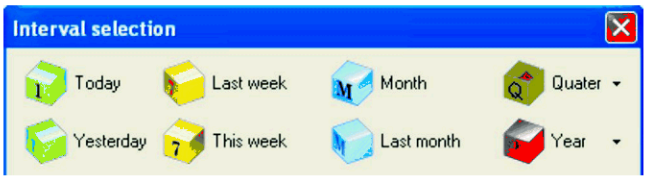
There are 2 versions of time interval:

A) **time interval** when sensor was really in use - shows notation of all touches between sensor and identification chips in set time interval (point 3A).

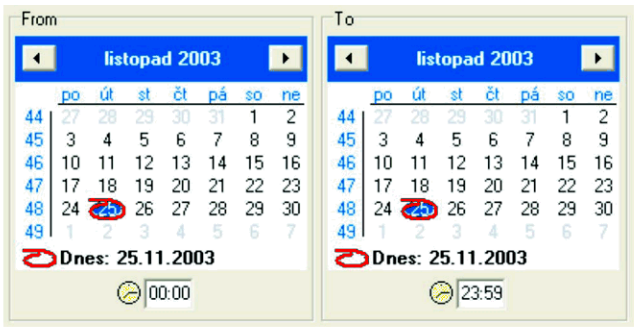
B) **date of loading data to PC** - shows list of data loading from data chip to PC. After choosing concrete date program displays list of events, which have been loaded to PC in this date (point 3B).

Example: Guards worked between April 10 and 24. Data were transferred to PC in April 25. If you want to view notation you can either select option A) and set time interval from April 10 to 24 or option B) and set date of data transfer to PC April 25. The notation displays list of all events between April 10 and 24.

The setting can be done either with main toolbar that offers some preset time intervals,



or manually by setting desired month, day and hour of beginning of time interval (left table ´From´) and finish of time interval (right table ´To´).



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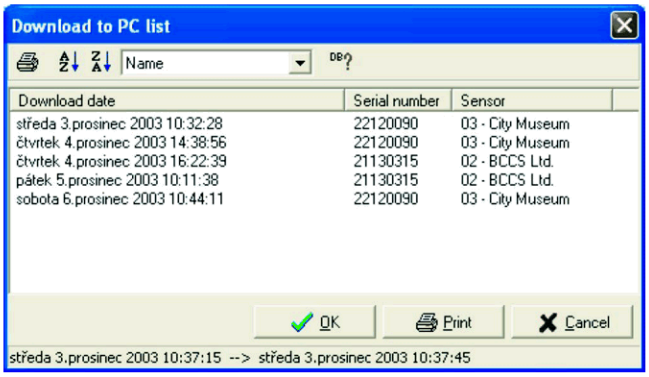
Making notation by time interval

3A. Press *OK* and go to point 4. *Statistics*.

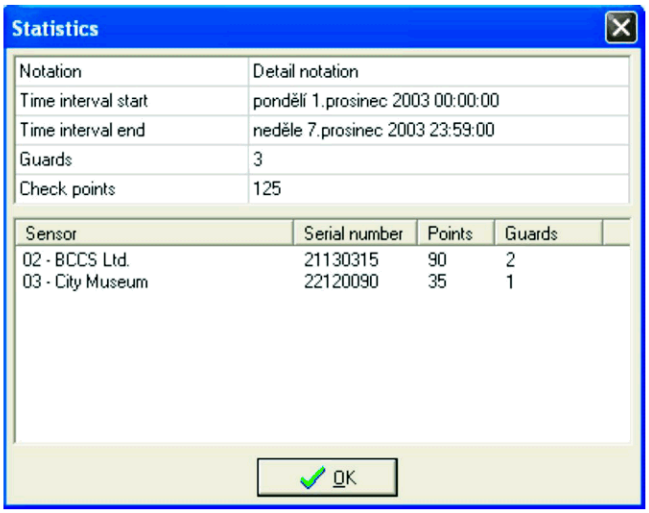
Making notation by loading to PC

3B. Press 

, following table displays. Select a specific date of loading to PC, which you want to see.

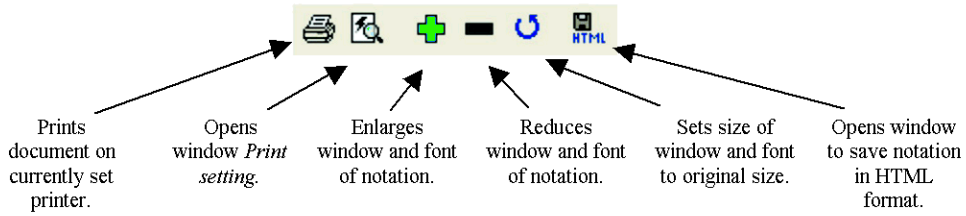


4. Window *Statistics* shows just short overview of items, which will be displayed in next notation.

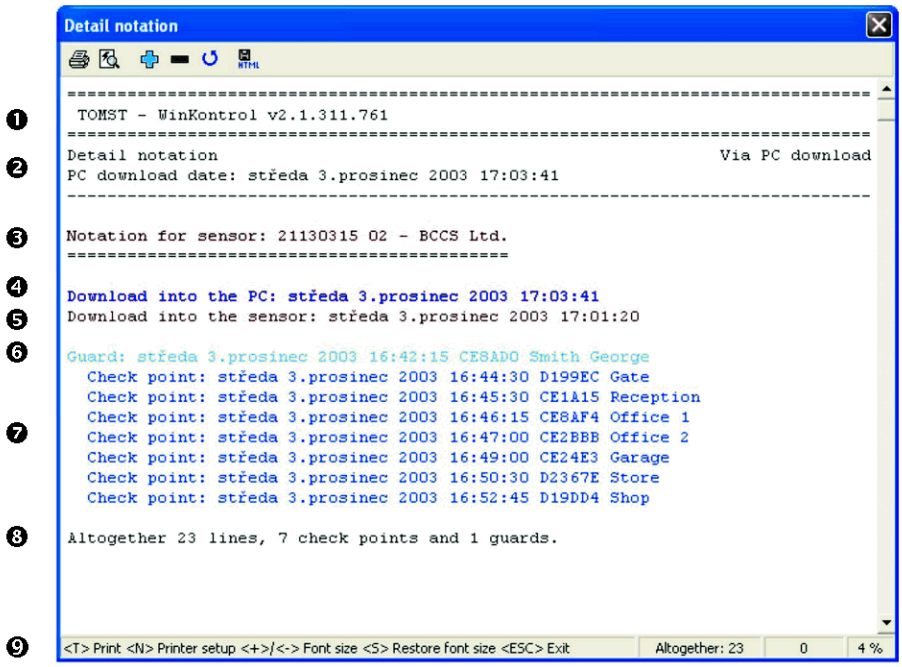


5. Press *OK* and desired notation appears.

   Following buttons (in header) help you to work with notations:



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Label no.	Description
1	Program version.
2	Character of notation + date and time of notation.
3	Source of displayed data. It is useful especially in case that data are downloaded from more sensors.
4	Record about time of data transfer from data chip to PC.
5	Record about time of data transfer from sensor P.E.S. to data chip. This detail can be used to check an employee responsible for data downloading from sensors.
6	Identification of the guard is conditioned by entering the appropriate chip ID into database. The record informs that this guard performed each of following checkpoint records until next guard is logged in to the system.
7	Information about reading of particular checkpoints.
8	Description of route is conditioned by using the function *Routes* and its successful realization.
9	Information about total number of notation lines and total number of records (guards + checkpoints), which are available for cursory check of notation - by simple comparison of usual number with just checked.

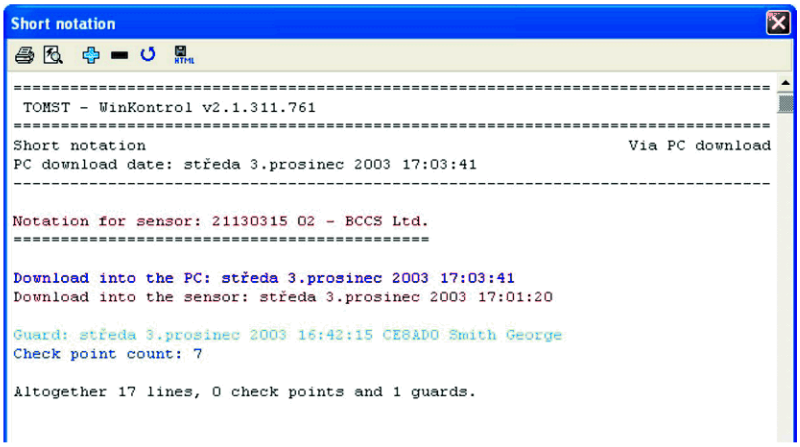
Short notation

This notation considerably shortens the form of *Detailed notation*, because it uses parameters set up in function *Route*. If no routes are entered, it displays only basic information about data file.

Short notation is similar to detailed but it does not contain the item ❼ - particular checkpoints.

1. Press button  on main toolbar or go to main menu and select *Notations/Short notation.* Continue as in chapter *Detailed notation.*

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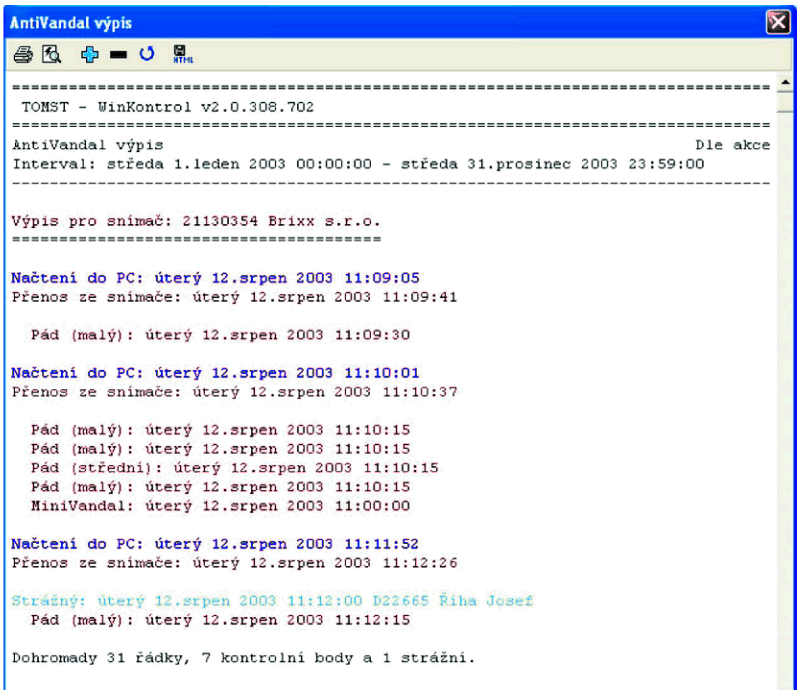


Anti-vandal notation

This notation gives complete overview about attempts to destroy sensor. Though it works only with sensors PES forte and PES profi.

PES profi	**PES forte**
is able to detect following attempts to destroy it (they are discerned in notation): *- Fall small/medium/big* *- Short circuit* *- External overvoltage* *- High temperature*	je schopen detekovat následující pokusy o destrukci (they are not discerned - in notation it shows *'Mini-vandal'* message): *- Short circuit* *- External overvoltage*

1. Press button  on main toolbar or go to main menu and select *Notations/Anti-vandal notation.* Continue as in chapter *Detailed notation.*



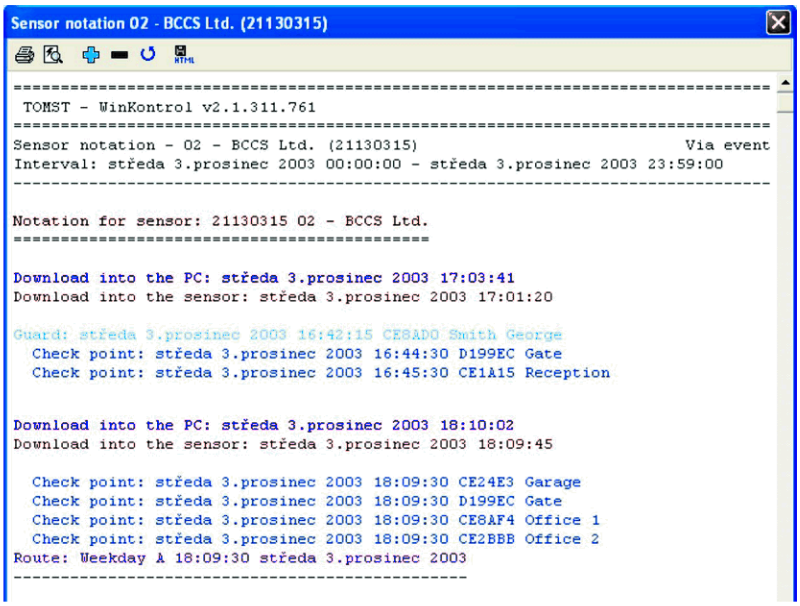
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Don't miss 2nd and 3rd lines from the end - if guards use their own identification chip, you can recognize who tried to destroy the sensor.

Sensor notation

Best use of *Sensor notation* is in case that each sensor is assigned to concrete object. After setting time period you are asked to select desired sensor. Output data are similar to detailed notation.

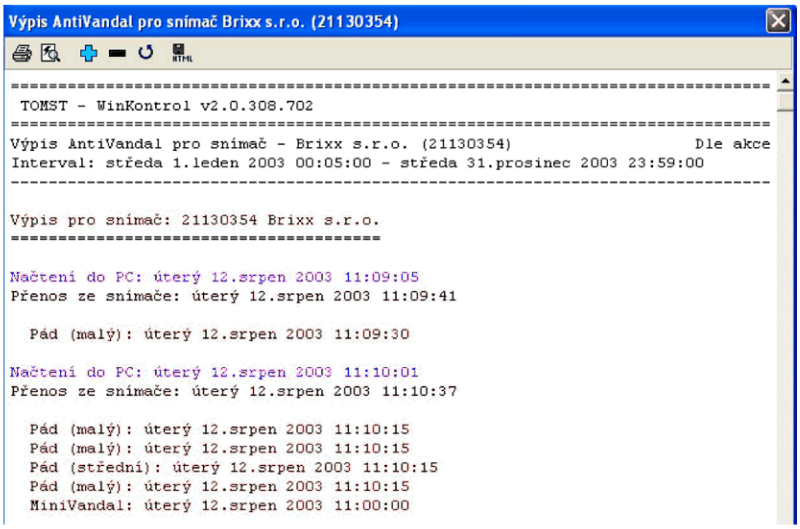
1. Press button  on main toolbar or go to main menu and select *Notations/Sensor notation.* Continue as in chapter *Detailed notation.*



Sensor Anti-vandal notation

This is a notation of anti-vandal events of particular sensor. You are asked to choose time period of the notation and then to select desired sensor.

1. Press button  on main toolbar or go to main menu and select *Notations/Sensor Anti-vandal notation.* Continue as in chapter *Detailed notation.*



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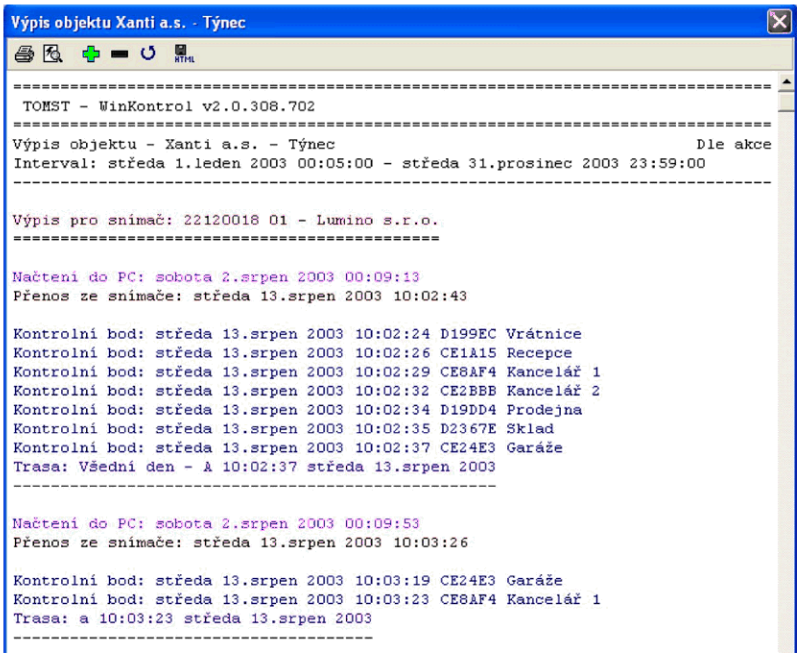
Object notation

This notation gives complete information about all events in concrete object. You are asked to choose time period of the notation and then to select desired object.

To show this notation the object has to be entered into database.

Output data are similar to detailed notation.

1. Press button  on main toolbar or go to main menu and select *Notations/Object notation*. Continue as in chapter *Detailed notation*.



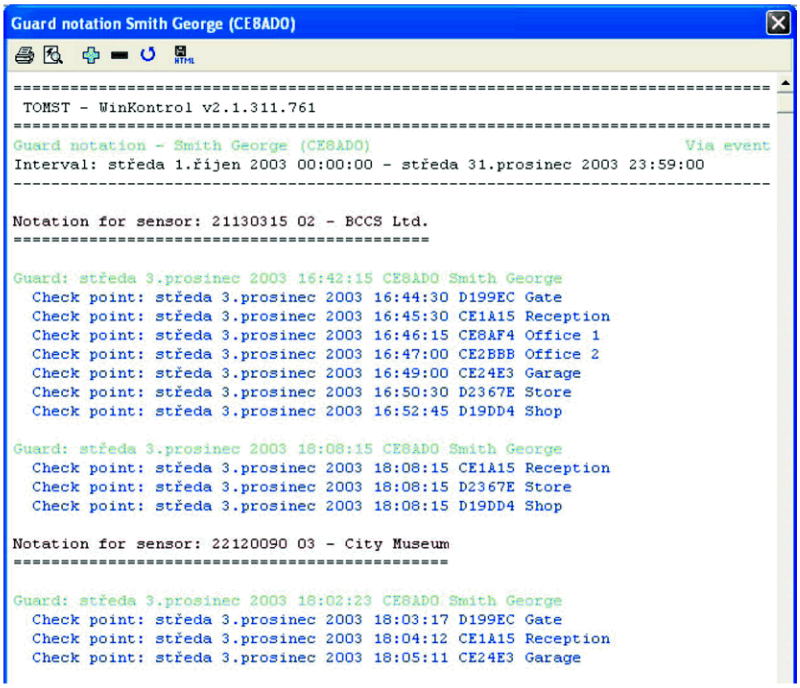
Guard notation

If you want to generate notations for each guard extra, use *Guard notation*, which provides information similar to detailed notation. You are asked to choose time period of the notation and then to select desired guard.

To show this notation the guard has to be entered into database.

1. Press button  on main toolbar or go to main menu and select *Notations/Guard notation*. Continue as in chapter *Detailed notation*.

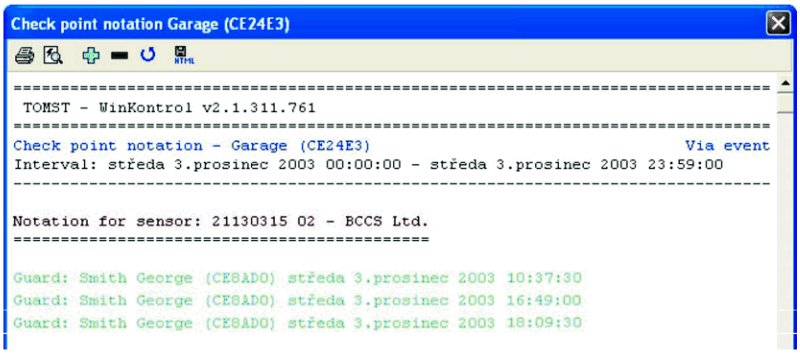
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Checkpoint notation

This notation provides complete information about particular checkpoint, that means when and by whom it has been checked. You are asked to choose time period of the notation and then to select desired checkpoint.

1. Press button  on main toolbar or go to main menu and select *Notations/Checkpoint notation*. Continue as in chapter *Detailed notation*.

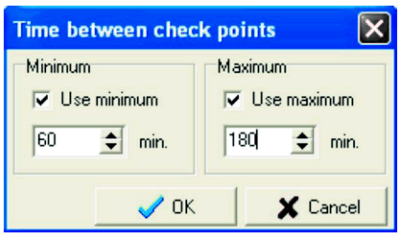


Checkpoint interval notation

This notation provides complete information about one chosen checkpoint, in particular about fact, if it has been visited within entered time period. It can be used to check if selected checkpoint has been visited at least once in e.g. 1 hour, or not more then once in e.g. 30 minutes.

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1. Press button  on main toolbar or go to main menu and select *Notations/Checkpoint interval notation.*
2. Select the checkpoint, whose visitation you want to check.
3. Go to the window *Time between checkpoint* and enter time interval, in which particular checkpoint should be visited. To use minimum or maximum interval mark appropriate field - *Use minimum* or *Use maximum.*



marked *Minimum* means that the checkpoint should not be visited again before determined number of minutes.

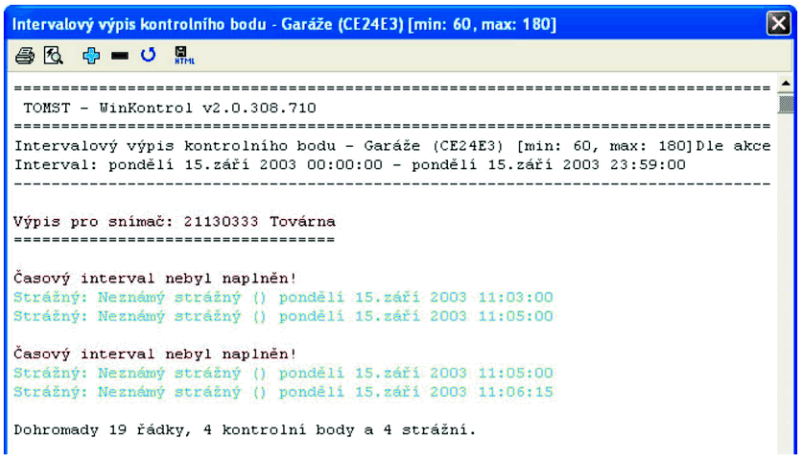
e.g.: The checkpoint was visited at 17:00. If you set minimum to 60 min., the checkpoint should not be visited again before 18:00.

marked Maximum means that the checkpoint should be visited again within determined number of minutes.

e.g.: The checkpoint was visited at 17:00. If you set maximum to 180 min., the checkpoint should be visited again latest at 20:00.

marked Minimum + Maximum means that the checkpoint should be visited again not before *Minimum* and not later than *Maximum*.

e.g.: The checkpoint was visited at 17:00. If you set minimum to 60 min. and maximum to 180 min., next visitation should be realized not before 18:00 and not after 20:00.



If everything was performed correctly, the notation is empty!

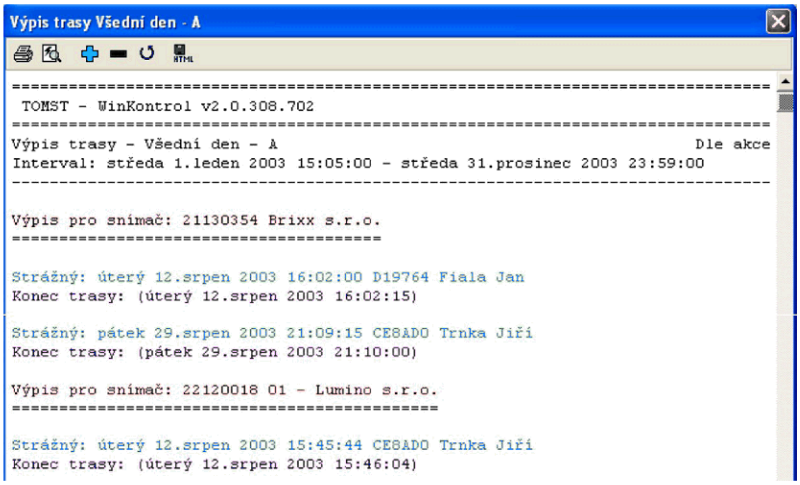
Route notation

This notation allows to find data related just to one selected route in chosen time interval. It displays also all sensors and guards, who performed the route.

You are asked to choose time period of the notation and then to select desired route.

1. Press button  on main toolbar or go to main menu and select *Notations/Route notation.* Continue as in chapter *Detailed notation.*

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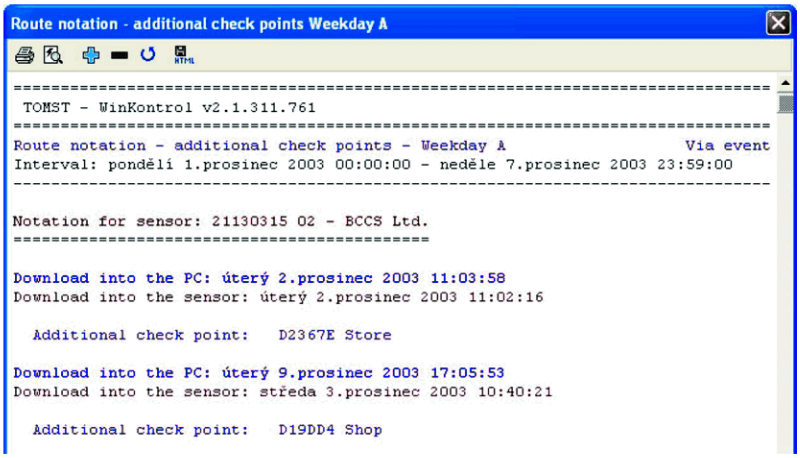


Route difference notation (additional)

This notation helps you to find such route, which has been realized, but the guard has visited also checkpoints, which do not belong to the regular route. Thus you can prove if guard made mistake.

You are asked to choose time period of the notation and then to select route in demand.

1. Press button  on main toolbar or go to main menu and select *Notations/Route difference notation (additional)*. Continue as in chapter *Detailed notation*.



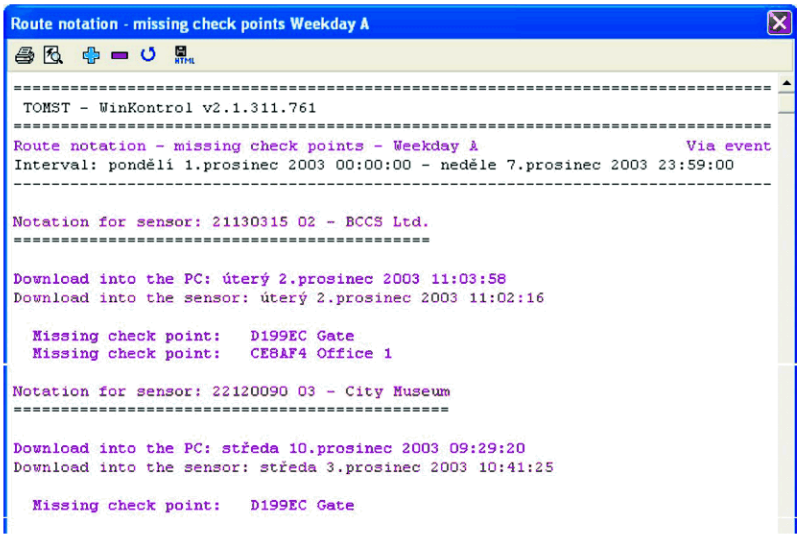
Route difference notation (missing)

This notation helps you to find such route, which has been realized, but the guard has forgotten to visit some checkpoints, which do belong to the regular route. Thus you can prove if guard made mistake.

You are asked to choose time period of the notation and then to select route in demand.

1. Press button  on main toolbar or go to main menu and select *Notations/Route difference notation (missing)*. Continue as in chapter *Detailed notation*.

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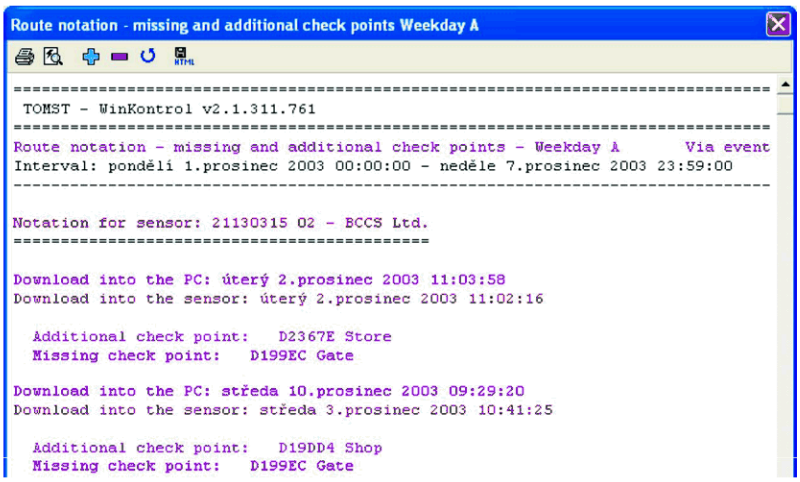


Route difference notation (missing and additional)

This notation combines both previous notations. It displays such route, which was performed, but the guard either forgot to visit some regular checkpoints or he visited some extra checkpoints, which did not belong to regular route.

You are asked to choose time period of the notation and then to select route in demand.

1. Press button  on main toolbar or go to main menu and select *Notations/Route difference notation (missing and additional)*. Continue as in chapter *Detailed notation*.



Aggregate route notation

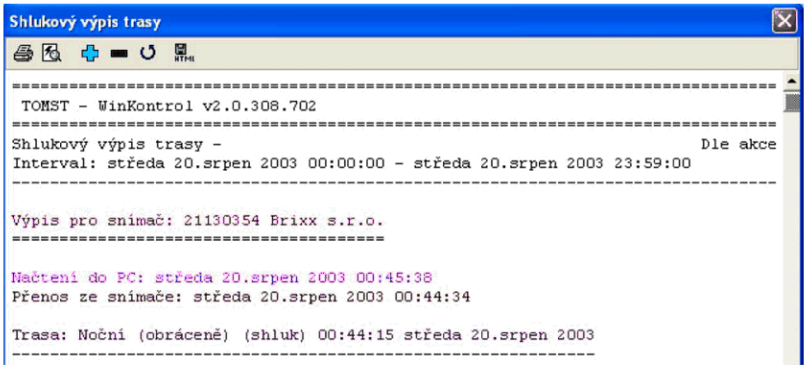
This notation displays such route, which was performed but particular checkpoints were not visited in regular sequence. However none checkpoint is missing! Clearly explained - program searches if some route was realized in wrong sequence of checkpoints.

Note: This is just additional notation. Don't mix up with regular and usually used notation of route. Don't be surprised with low speed of processing; WinKontrol has to check a lot of combinations.

You are asked to choose time period of desired notation.

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1. Press button  on main toolbar or go to main menu and select *Notations/Aggregate route notation*. Continue as in chapter *Detailed notation*.



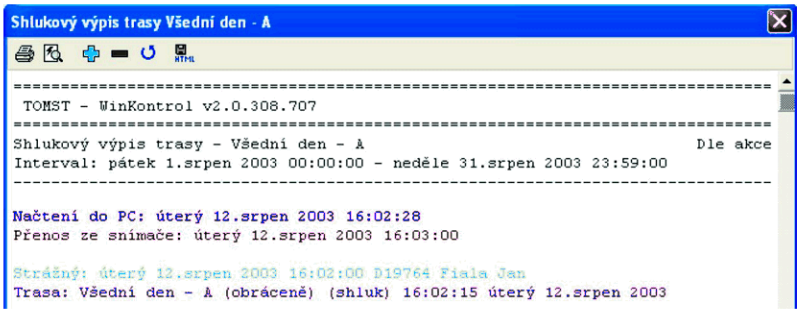
Aggregate selected route notation

This notation displays such route, which was performed but particular checkpoints were not visited in regular sequence. However none checkpoint is missing! In contrast to previous notation, here you select the route, whose realization you want to verify, yourself. Clearly explained - program verifies if selected route could be realized (as guard can claim), even though *notation of route* indicates that it was not.

Note: This is just additional notation. Don't mix up with regular and usually used notation of route. Don't be surprised with low speed of processing; WinKontrol has to check a lot of combinations.

You are asked to choose time period of the notation and then to select route in demand.

1. Press button  on main toolbar or go to main menu and select *Notations/Aggregate selected route notation*. Continue as in chapter *Detailed notation*.



Tour notation

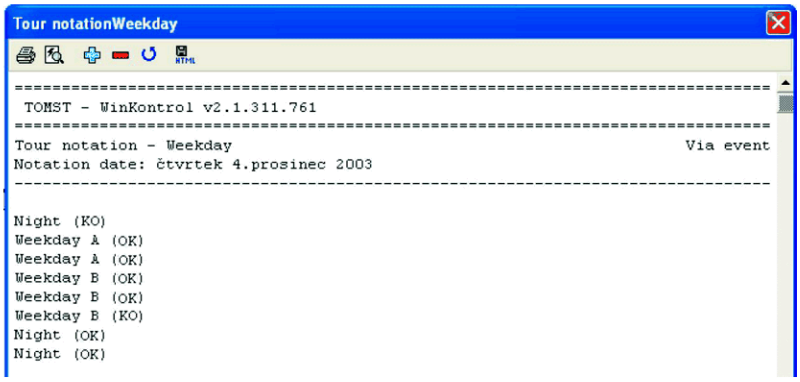
This notation displays automated daily evaluation of realized tours.

You are asked to enter date and name of the tour.

Each tour is composed of 1 or more routes. The notation shows successfully performed routes (OK) and unsuccessfully performed routes (KO).

1. Press button  on main toolbar or go to main menu and select *Notations/Tour notation*. Continue as in chapter *Detailed notation*.

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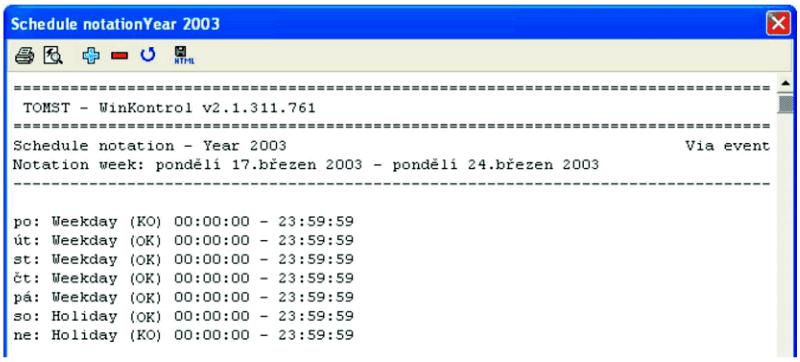
Schedule notation

Schedule notation displays automated weekly evaluation of guard's work.

You are asked to enter date and name of the schedule.

Each schedule is composed of 1 - 7 tours assigned to particular days of week (each day = 1 tour, some days can be skipped). The notation displays correctly performed tours (OK) and failed tours (KO).

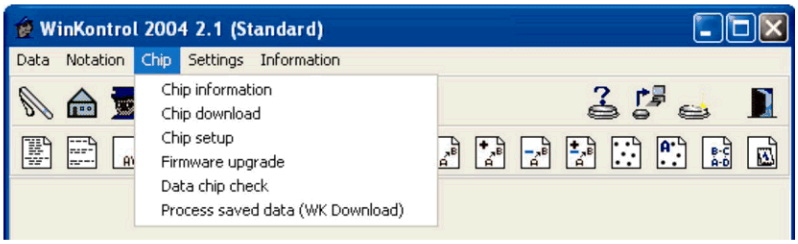
1. Press button  on main toolbar or go to main menu and select *Notations/Schedule notation*. Continue as in chapter *Detailed notation*.



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Chip

Menu *Chip* provides especially communication between program WinKontrol and chips. It comprehends also an important function to receive information about any chip (data and identification). The items of menu *Chip* are disabled in demo version.



Chip information

This function is used to get information about identification or data chip and its current setting.

1. Press button  on main window toolbar or select menu *Chip/Chip information.*
2. Follow instructions on the screen.

Information about **identification chip** includes its number, name and place in database (guard or checkpoint).

Information about **data chip** set to *transfer* mode includes its number, kind of use, size of memory and its filling (in percent).

Information about **data chip** set to *time* mode includes also chip number and set date and time.

Chip download

After selecting this item apply data chip to adapter's probe. Data will be transferred from data chip to PC. The process of reading is displayed in the information window on your monitor.

1. Press button  on main window toolbar or select menu *Chip/Chip download.*
2. Follow instructions on the screen.

Chip setup

This item enables to set various functions of data chip. You can set these modes:

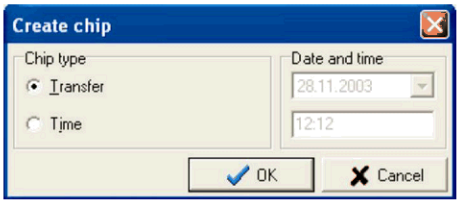
A) *Transfer* (is used to transfer data between sensor and computer)

B) *Time* (updates time in sensor).

For more information see chapter *Introduction/Data chips*.

1. Press button  on main window toolbar or select menu *Chip/Chip setup*. New window *Create chip* appears:

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2. Set type of data chip you want to create.
3. Follow instructions on the screen.

Firmware upgrade

New generation of PES sensors allows continuous upgrade of firmware. Producer develops improvements, which any user can upload to his sensor. For more information about firmware contact your distributor or look at www.tomst.com.

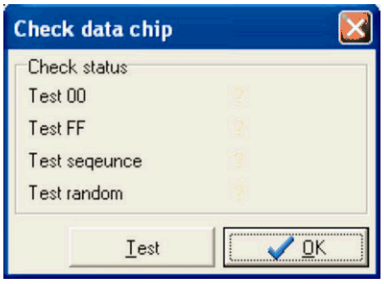
The process of upgrade is simple:

1. Select menu *Chip/Firmware upgrade*.
2. Find the firmware file you want to upload to your sensor (*.tpu).
3. Follow the instructions and copy firmware to data chip.
4. Copy firmware from data chip to your sensor.

Data chip check

In case you have problems with data transfer from or to data chip, you can detect if the chip is okay yourself. The test writes and reads data and determines if data chip works properly or not.

1. Select menu *Chip/Data chip check*, new window with description of tested items appears.



2. Press button *Test*, program asks you to apply data chip to the adapter.
3. **Process of testing runs for about 3,5 min. It is necessary to hold data chip applied to adapter's probe all time!**
4. Program informs you about result of the test.

Process saved data (WK Download)

WinKontrol 2004 offers a possibility to process data that have been transferred from data chip to another PC than where WinKontrol 2004 is installed.

If you install program WK Download (is delivered on CD WinKontrol 2004) to any computer, you can use it to transfer data of routes from data chip to file and save it e.g. to diskette. Thus processed file can be simply copied to another PC (where WinKontrol 2004 is installed). Process is following:

A) PC with program WK Download:

1. Copy data from sensor to data chip.
2. Transfer data from data chip using adapter to program WK Download.
3. Save data from program WK Download to e.g. diskette.

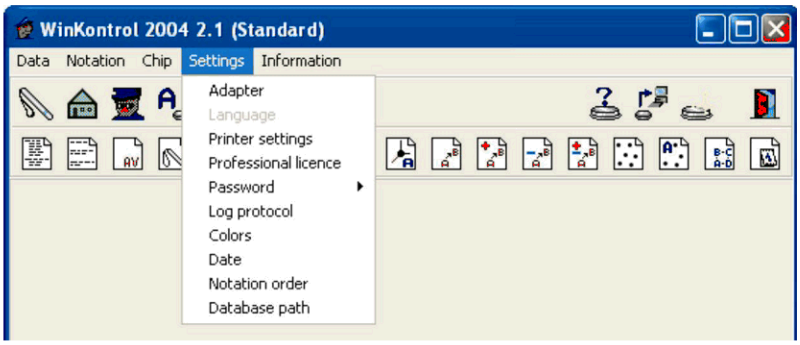
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B) PC with program WinKontrol 2004:

4. Insert diskette with saved data to the PC in which you want to process data.
5. Select menu *Chip/Process saved data (WK Download)*.
6. Find the file (e.g. on diskette) you want to copy and press button *Open*.

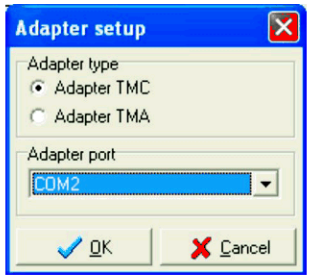
Settings

This menu allows you to change some settings of program according to your own concept. If you select this item WinKontrol offers you following list of settings:



Adapter

The setting of adapter is important for correct work of program. Wrong setting causes that WinKontrol works only in DEMO mode.



1. Select menu *Settings/Adapter*, new window *Adapter setup* appears.
2. Select type of adapter - TMA, TMC, TME (look at the adapter's packing)
3. Set up PC port whereto your adapter is connected.

Language

Default preset language is Czech. You can choose also different language versions.

1. Select menu *Settings/Language* and set kind of language you want to use.
2. Restart WinKontrol.

Printer settings

This item enables to set parameters of printer connected to your PC. It opens a standard window of MS Windows.

1. Select menu *Settings/Printer settings*, new window appears.
2. Perform desired settings.

Professional license

To buy Professional license ask your dealer.

This item is used to enter number to activate Professional license.

For more information see *Introduction/Evaluation program WinKontrol/Licenses*.

1. Go to menu *Settings/Professional license*.
2. Enter the license placed on the label of CD WinKontrol.

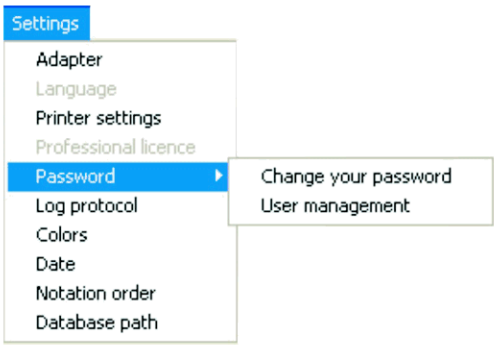
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Passwords

The item *Password* protects access to the program and supervises list of users with allowance to use WinKontrol.

This function is enabled only in version Professional!

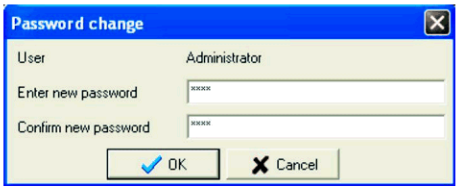
Go to menu *Settings* and select *Password*.



Change your password

You can change the password of user currently logged in. To change the password:

1. Go to menu *Settings/Password* and select item *Change your password*.



2. In the window *Password change* enter your new password and confirm it.

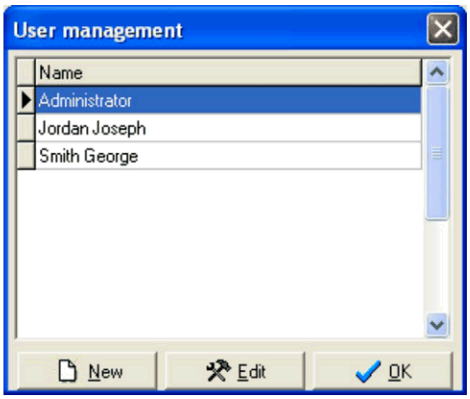
Management of users

Management of users enables to enter new users, make changes and set their passwords. The act of log in can be accompanied by request to apply an identification chip.

Only Administrator is qualified to delete databases, loaded files and change user's passwords. Other users can only download, view and print data from sensors.

1. Go to menu *Settings/Password* and select *User management*.

Basic screen *User management* displays list of users:



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Entering new user

1. Press button 

in the window *User management*, next dialog window *New user* appears:



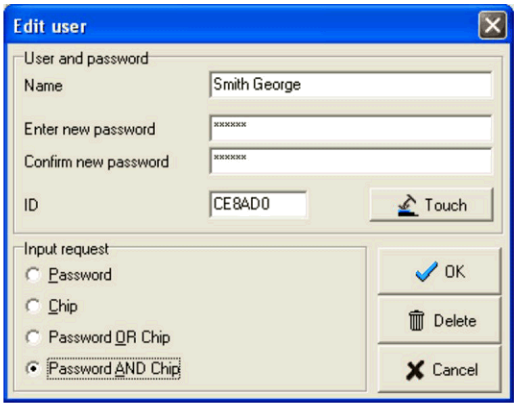
2. Enter name of new user.
3. Enter and confirm his password (at least 1 character).
4. If new user will have to apply his identification chip to log in, press button *Touch*. Apply the identification chip of new user to the adapter when program asks you.
5. Determine the way to log in in the frame *Input request*.

Editing existing user

You can edit name of users, their passwords, chip ID and way of logging in.

1. Press button 

in the window *Users and passwords*. New dialog window *Edit user* appears:



2. Perform desired changes. Button *Delete* erases user from database.

Log protocol

The function *Log protocol* is useful if more users work with the program. It gives exact information about time of log in/out of particular WinKontrol users.

1. Select menu *Settings/Log protocol.*
2. Choose desired period.

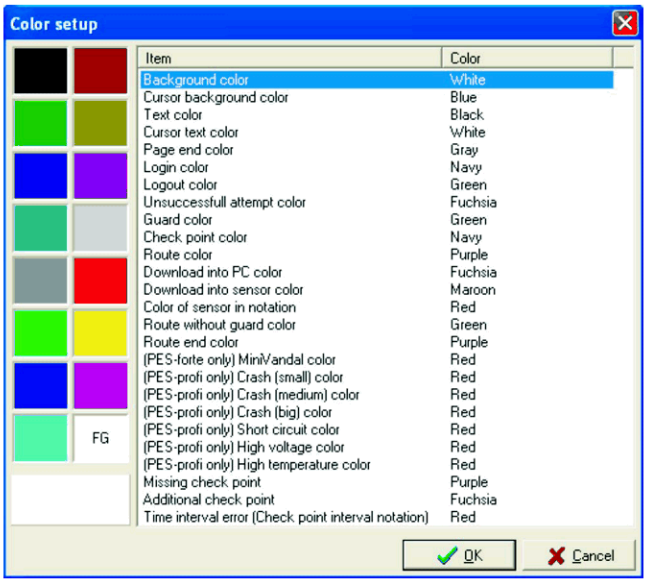
This function is enabled only in version Professional!

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Colors

Program enables to change setting of colors in several items of **notation**, not program windows.

1. Select menu *Settings/Colors*, new window *Color setup* appears.
2. To change colors click first on the item, which color you want to change and then select desired colors.



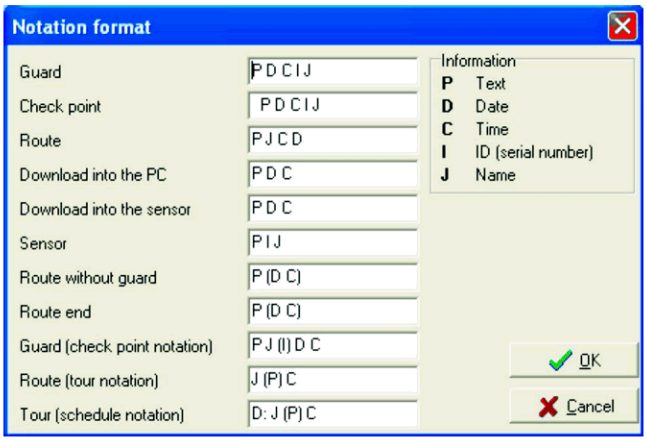
Date

With this item you can set form of date and time in notations.

Notation order

This function enables to put items displayed in notation in desired order.

1. Select in menu *Settings/Notation order*, new window *Notation format* appears:



2. Perform desired changes so that you write ´P, D, C, I or J´ into fields in such order you want to have in your notation ... right frame describes abbreviations (P, D, C, I, J).

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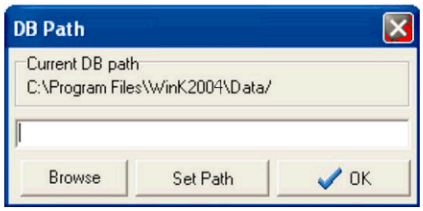
Work in network

Database path

The function *Database path* is used in work with network. It sets path to database placed on another PC. After it you can view and print data from your local PC even if they are physically placed on another computer. But you can neither edit nor enter new data.

So downloading data from data chip and installation of new system components are possible only on the PC where WinKontrol is installed and adapter is connected.

1. Select menu *Settings/Database path*, new window *DB path* appears:

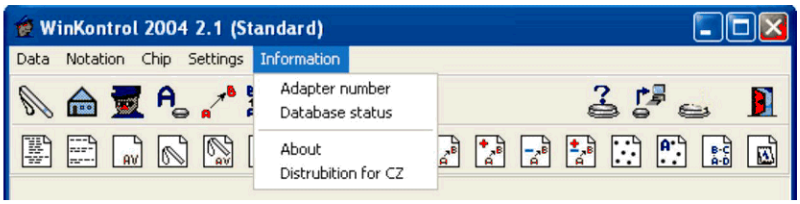


2. Press button *Browse*, next window *Open* appears. Set the placement of database file *DB_path.Click* in your network. If you did not set another location during installation of WinKontrol, you'll find this file on desired computer in the folder: *Program files\WinKontrol\Data*. Return to previous screen *DB path* by pressing *OK*.

3. Now press button *Set Path*, WinKontrol registers new placement of database.
4. Confirm changes with button *OK*.

Information

If you select this main menu item program informs you about number of connected adapter, status of database and also authors of control system P.E.S.



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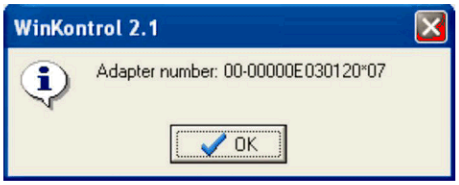
Adapter number

The item *Adapter number* shows number of currently connected adapter.

If you buy license Standard or Professional later, it is necessary to give this number to your distributor, because it's used to generate license numbers.

If you run demo-version you don't have to enter any license number.

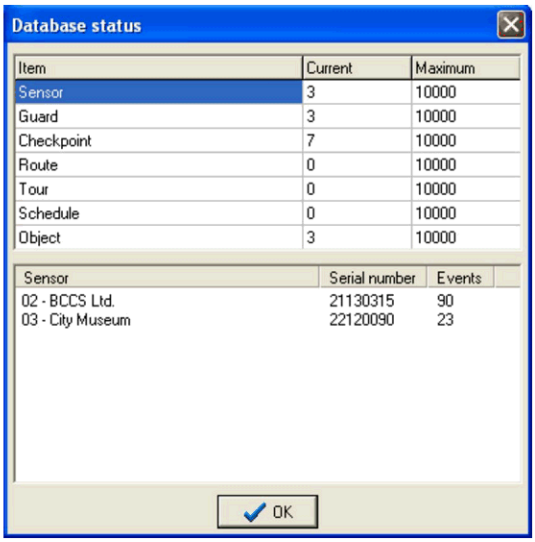
1. Select menu *Information/Adapter number*, the window with current number displays.



Database status

This is a window with information about filling of particular databases, list of sensors and amount of events loaded from sensors.

1. Select menu *Information/Database status*, following window appears:



About WinKontrol

The item shows the authors of program WinKontrol and program version.

1. Select menu *Information/About*.

Distribuce pro CZ

Položka zobrazí kontakt na distributora kontrolního systému P.E.S. a programu WinKontrol v České republice.

1. Zvolte v menu *Informace/Distribuce pro CZ*.

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What to do with problems?



This chapter characterizes maximum situations, which might happen during work with the system. Behind the problem description we indicate its reason or instruction how to solve it. In standard situation the help can be evocated by pressing button F1 on the keyboard.

In non-standard situations look at following lines.

The behaviour of sensor PES is described independently in next chapter.

Help with problems

Program stops without visible reason

- If the program writes a message „*runtime error n (n=<1,255>) at address xxxx:yyyy*“ or *error* (xy) after incorrect stop, write down the message and contact the software distributor.

After start program displays message, that the adapter is not connected

- The adapter is really not connected.
- The connection is not fixed enough. Connector has to be screwed up.
- Try to reconnect the adapter and mouse connection and restart PC.
- Set the adapter connection to correct port in menu *Setting - Adapter*.

Program reports that new sensor, checkpoint etc., cannot be input.

- You run out of database capacity. To increase the capacity, contact your distributor.

There is a message *´Unknown identification chip´* instead of name of the checkpoint in the *Detailed report* after data transport to PC

- The values of date and time in your PC are not identical with values in the PES sensor.
- The records had been input to the sensor PES before the hardware components were entered to the program databases.

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Behaviour of PES sensor

Acoustic signaling



loading of data from chip



loading of data from chip
(less than 50% of free capacity in memory)



you are using an old version of WinKontrol
free upgrade is necessary



ASCENDING
successful data transfer, successfully executed command



ASCENDING
sensor seriously damaged,
intervention of authorized service necessary!



ASCENDING
unauthorized sensor fixing, sensor will stop working,
intervention of authorized service necessary!

ANNOTATION:



short beep



long beep

Visual signaling

LED short flash.....data loaded

LED continuous flashing..... data reading

LED shines together with acoustic signal.

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Technical parameters

Portable electronic sensor PES profi and PES forte

Cooperation with contact chips iButton - types: DS1990A-F3/F5
DS1996-L5

Capacity: PES profi: 2000 events
PES forte: 1000 events

Stored chip identification: 3 LSB bytes

Function with data chips: - transfer and delete of data in the chip
- setting of time according to the chip

Signaling: acoustic - beeper
visual - blue LED

Power supply: lithium cell 3,6 V - 950mAh

Serial number: 8 numbers, saved in the backup memory

Real time clock: backed up from the battery
accuracy < 50 ppm (max. ± 1sec/1day)

Operating temperature: PES profi: -30 to +70 °C
PES forte: -30 to +60 °C

Temperature for storage: -40 to +80°C

Operating life: min. 5 years

Weight: PES profi: 49g
PES forte: 44g

Identification chips

Model: each iButton instead of DS1996-L5
mostly: DS1990A-F3 (F3 Micro Can)
DS1990A-F5 (F5 Micro Can)

Positioning: - by gluing
- plastic holder
- plastic key case for personal identification chip

Operating temperature: -40 to +85°C

Dimensions: F3 Micro Can: ∅ 17,35 x 3,10 mm
F5 Micro Can: ∅ 17,35 x 5,89 mm

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Data chips

Model:	DS1996-L5
Capacity:	1000 events
Case:	F5 Micro Can
Modes:	- transfer chip - time chip
Operating temperature:	-40 to + 70°C
Dimensions:	∅ 17,35 x 5,89 mm

Program WinKontrol

Operating system:	MS Windows 98 and higher
Memory:	32 MB RAM
HDD:	20 MB free space

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