



Fancier Manual

(UK)

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Declaration of conformity

Hereby, Rüter EPV-Systeme GmbH, declares that this equipment:

TauRIS sensor (SC11, SR13)

TauRIS quadruple sensor (CV11, SV11)



is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EG.

The declaration of conformity may be consulted at:

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We are grateful for any suggestions of improvement and hints.

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February 2010

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Introduction

In pigeon racing, so-called clocking systems are used to ensure the accurate registration of entry times. Until now, pigeons were fitted with rubber rings for each flight. On arrival, these rings were removed and entered into race timers.

With the progress of technology, mechanical systems are increasingly being replaced by electronic systems. The latter enable an accurate recording to take place at the moment the pigeon enters the loft. The work which has to be carried out by the Club committees (entry and clocking committees) and fanciers is thus reduced to a minimum.

In the following pages, the construction and functions of the TauRIS electronic clocking system are described in detail.

With this system, code carriers (electronic pigeon rings) assigned to the individual pigeons are recorded by sensors in the entry traps. The sensors transfer the code via a cable system to the electronic clocking system, which in turn automatically carries out the registration of pigeon and race time.

The Electronic Clocking System TauRIS consists of:

- Loft system for the fanciers and the
- Club house equipment

This manual describes the loft system. The club system is described in the club manual.

Construction of the loft system

The loft system (see Fig. 1, Fig. 2) consists of a terminal and sensors in the traps. The terminal and the sensors are connected directly.

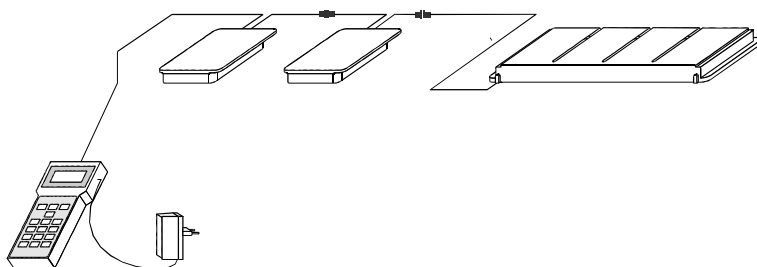


Fig. 1

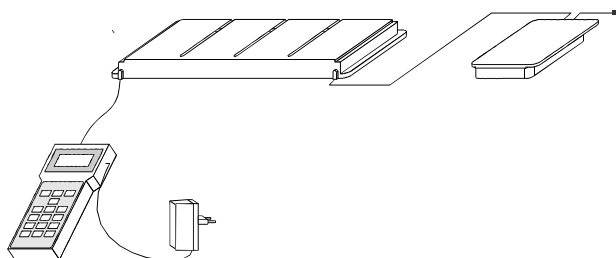


Fig. 2

Terminal

The terminal is a multi-functional computer with a large memory capacity. It is responsible for controlling and archiving racing and control data. Time records are carried out via the internal quartz-controlled timepiece.

The following mutually compatible functions are all controlled or carried out by the terminal:

1. Assignment of electronic pigeon rings to the loft stock at the beginning of a season.
2. Management of the loft stock by the fancier.
3. Data entry device for the entering of pigeons at the entry point.
4. Race timer for the fancier, started and set by the clocking committee.

The function 3 - 4 rotate throughout the racing weeks (see Fig. 3, page 8, The TauRIS lopp).

Sensors

The traps of a loft system can be fitted with one or more sensors. All of the sensors within a single loft system are subsequently connected by means of a cable. Each individual sensor consists of a receptor antenna, receptor electronics controlled by a microprocessor. The electronics and the antenna are housed in a closed case.

Routine/Program description

Via the terminal every phase of every work routine is program-controlled. The software configuration of the terminal enables necessary adaptations of the system (e.g. changes in the racing rules of the Club) to be carried out.

Two separate manuals, one each for the fancier and the club committee, describe the routines.

Summary

The transparency of the system remains uniform, from the smallest to the largest loft system.

The software controlled TauRIS concept allows adaptations to future pigeon racing requirements.

The transparent construction of the TauRIS electronic clocking system guarantees comprehensive control over every routine (terminal – sensor), in line with state of the art technology. Imitation of the familiar, conventional clocking concept (start time, control time, control loft) renders the functional principle clear for the user, as well as granting the supervisory bodies a clear overview.

The TauRIS loop

The TauRIS functional principle and the clear routine behind it are illustrated by the TauRIS loop (Fig. 3). From the electronic entry sheet for the fancier via entering and clocking to the race timer and then via clocking control back to release for the fancier – an easily understandable circulation of events.

The loop is a one-way street! If the terminal is, for example, set for entry, then the fancier can only attain release by setting, registering and controlling. Pigeons do not have to be entered in order to undertake these steps.

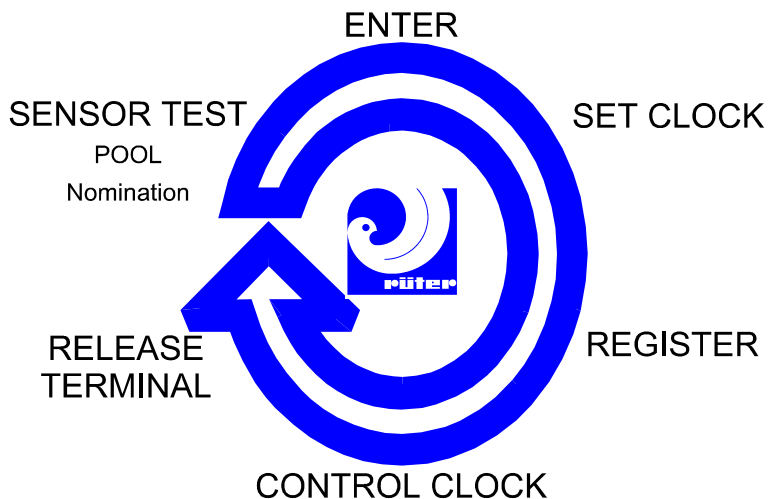


Fig. 3

Operating the system

Warning: Before working on the system, disconnect the mains plug!

Conditions for use

Temperature during use:

Terminal 0°C to +50°C

Temperature during storage:

Terminal 0°C to +60°C

Proof specifications:

Terminal	IP63
Mains supply	IP40
Sensor	IP63

These proof specifications are valid for devices on delivery, not taking into account wear and tear.

Installation instructions

The height of the entry traps should not exceed 16 cm, so that pigeons cannot jump over each other. An entry hatch width of 12 cm guarantees that the pigeon and its electronic pigeon ring are guided securely through the area influenced by the sensor. The diving walls between the traps should be pulled out to protrude beyond the descending edge, in order to prevent the pigeons from flying back out of the loft.

The sensor surfaces may be covered. The chosen cover may be plastic, wood, asbestos cement, etc., but on no account metal. A thickness of 0,5 cm should not be exceeded, so that the receptor distance, approx. 8 cm above the sensor surface, is not unduly restricted.

Metal surfaces near the sensor must be at least 15 cm from it, if they are not to infringe the performance of the sensor.

Install the sensors so that they are at least 15 cm apart (measured from the widest part of the sensor).

When the cables are being laid, ensure that it is not possible for water to run along them and thus enter the sensor. Place a loop in the cable a little in front of the sensor so that the water can drop off at this point.

If you install your sensors as suggested, your pigeons will be registered accurately. After assembly, check your system carefully with the menu command <9>Train, in order to ensure that no registration errors occur during the races.



Fig. 4



Fig. 5

TauRIS terminal description

The TauRIS terminal controls and monitors the entry and registration of racing pigeon flight data in the loft.

This section only provides handling instructions for the fancier. Assigning pigeons to the electronic pigeon rings, entering the pigeons, setting up the clocks and controlling the clocks are all tasks exclusively for the Club committees. The necessary instructions are given separately.

Two of the terminal's functions are of particular importance to the fancier:

- Private race (training)
- Nominations and pools
- Race timer

Switching between private race (training) and the race timer is carried out by the entry and clocking committees in the club.

The telephone keypad with its four additional arrow keys guarantee easy use.

Don't worry! You cannot delete your data using the keypad.

The descriptions include:

[] for key functions (pressing the appropriate key)
<> for calling up certain functions from the Select menus
Menu denotes the terminal's information window
Cursor denotes the flashing rectangle in the menu

And now we come to the operation of the system. Simply connect your TauRIS terminal to the sensor(s) and connect the power supply to the TauRIS terminal.

The main menu

This is the display that you get whenever you connect the power supply to your TauRIS terminal. If using XL terminals the several screens can differ a little.

```
AB123456
Miller, Ron
Stock: 074/070
30.06-18:23:07
```

Fig. 6

The display shows the loft number, the fancier's name, the loft stock (number of pigeons / assigned pigeons) and the current time.

The function menu

[**Start**] always brings you to the function menu. From this menu you can call up the functions with a < >.

```
AB123456
Miller, Ron
      <2>Pool
<5>View <9>Train
```

Fig. 7

<2>Pool:	Enter the pooling mode
<5>View:	View loft stock
<9>Test:	Training (private race)

Pooling the pigeons

[2] brings you to the pooling display. Here you can pool your pigeons. The pooling is only possible for a race and must be done when in fancier mode or when in the club just before entering the pigeons. After entering the pooling the screen looks similar to this:

GB	07	S	12345C
		<01>	GRIZ
P:	A	B	C D E F G
#1	0	0	0 1 1 0 1

Explanation:

The first row shows the pigeon selected. The second row shows the number the pigeon has in the loft stock and also shows the color of the pigeon.

The last two rows show the pools header and the pools the selected pigeon has been added.

The [Å],[Æ],[Ë],[Ç] buttons let you select the pigeon you want to add to a pool.

By pressing [#] button you enter to change the pooling of the selected pigeon. Pressing [1] or [2] lets you select the range of the pools from 'A' to 'I' or from 'J' to 'R' (Note: The current version of the software uses only the pools up to 'M' because of limitations regarding the printout). Pressing again the [#] button brings the cursor under the 'A' pool. By pressing [0] or [1] you can now add or remove the pigeon from that pool. The cursor automatically advances to the next pool. Please press [START] button to leave the pooling. The pooling is printed out on the entry- and registering list and is not possible for training.

Viewing – Controlling registered pigeons

[5] brings you to the loft stock display. You may select a pigeon by flicking through the list; whether this pigeon has been assigned or not will appear in the display.

With the arrow keys you can now "flick trough" to the pigeon which you would like to see

[**Å**] 1 pigeon further on
[**Æ**] 1 pigeon further back
[**É**] 10 pigeons further on
[**Ç**] 5 pigeons further back

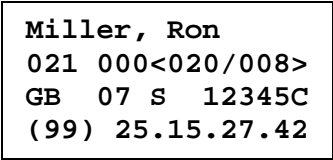
By entering up to four **[1]** to **[0]** of the final digits on the pigeon ring and confirming **[#]**, you can alternatively "select" desired pigeons directly. Flicking through and selecting may be used in combination.

Miller, Ron
<01> GRIZ
GB 07 S 12345C
Assigned

Fig. 8

Pigeons which have already been registrated will appear in the menu. When flicking through, they will be displayed in the order in which they entered the loft.

Example: <20 registrations / 8th pigeon>, pigeon GB 07 S 12345 C, registered on May 25th at 15:27 hrs, 42 seconds:



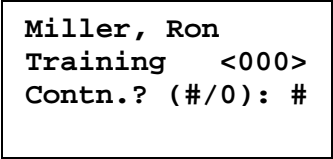
```
Miller, Ron  
021 000<020/008>  
GB 07 S 12345C  
(99) 25.15.27.42
```

Fig. 9

[Start] brings you back to the function menu.

Training - The private race

[9] activates the training. It is now asked whether you want to continue clocking or whether you want to delete the existing arrival times (# = continue, 0 = delete arrival times).

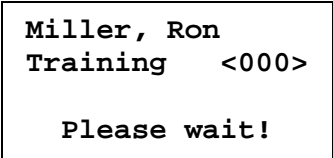


```
Miller, Ron  
Training <000>  
Contn.? (#/0): #
```

Fig. 10

To start a training press #.

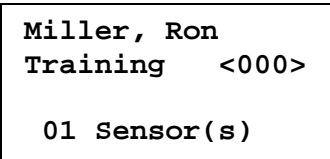
The sensors are activated and the display shows the number of connected sensors. Assigned pigeons can now be clocked. In each case is displayed with the ring number, the date and the time of registration.



```
Miller, Ron
Training  <000>

Please wait!
```

Fig. 11



```
Miller, Ron
Training  <000>

01 Sensor(s)
```

Fig. 12

[**Start**] brings you back to the main menu.

Summary:

Start or continue training:

- connect the terminal to the sensor(s)
- connect the power supply to the terminal
- press [**Start**]
- press [**9**]
- press [**#**]

Delete arrival times:

- connect the terminal to the sensor(s)
- connect the power supply to the terminal
- press [**Start**]
- press [**9**]
- press [**0**]

Registering with the TauRIS system

After your pigeons have been entered by the entry committee and your clock has been set by the clocking committee, your TauRIS terminal will be handed to you as a race timer.

Back home, connect the terminal with the sensors and the power supply of your TauRIS loft system. The system automatically switches to the registration mode.

```
AB123456
Miller, Ron
<4>Register !
<6>Pause<9>Train
```

Fig. 13

```
Miller, Ron
Race timer

01 Sensor(s)
```

Fig. 14

Whilst the race is being registered, the display repeatedly shows the latest pigeon to come in, together with its ring number, the date and the registration time.

```
Miller, Ron
021 000<020/008>
GB 07 S 12345C
(01) 25.15.27.42
```

Fig. 15

When the race is over, simply disconnect the power supply and the sensors from your terminal and take it to the Club House. Here the terminal will be controlled and the registration data recorded for the race evaluation.

Release clock

After every race, the terminal must be re-accessed, either by you or by the club clocking committee. To do this, enter the 4-digit codeword (each digit will be marked by an asterix in the display!) and confirm with [#].

```
AB123456
Miller, Ron
<3>-->PC<4>Regis
<6>Relea<8>Print
```

Fig. 16

```
AB123456
Miller, Ron
Password
----
```

Fig. 17

Multi – Fancier software

The terminal program version can separately record the loft stock for loft communities of up to 4 fancier in general. The instructions for use set out in the previous manuals are also valid here.

The following points should be observed when using the multi fancier terminal:

- The loft stock is loaded from the Club PC in the usual way, using the undocumented menu command <3>. With „Continue“, the loading potential of other fanciers is displayed as long as the program version permits.
- If more than one fancier's loft stock exists, the serial number of the fancier's loft stock appears before the fancier's name in the main menu. The cursor keys [Ç] and [È] enable you to flick through the main menu and select individual fanciers. The loft number, the fancier's name and the loft stock with the number of pigeons, as well as the field which this loft stock occupies in the overall stock, appear in the display.
- Assignment of the loft stocks to the electronic pigeon rings is carried out in the usual way, except that here the appropriate loft stock for the fancier in question is listed in the main menu.
- The pigeon data is re-saved via the undocumented menu command <3>, whereby continued selection or several fanciers is displayed afterwards on the PC.
- Pigeons can be nominated and pools placed in the usual way, except that here, too, the fancier in question must be selected from the main menu.
- In the documentation (entry sheet or registration sheet), a comprehensive list of the entire loft stock of every fancier is printed. References to the serial numbers and names of every fancier appear in the display.

- When the race results are transferred to the computer for race evaluation they will be transferred separately for each fancier.

Text message (SMS) function

It is possible to transmit data of arrived pigeons to every place of the world. If you connect a mobile phone to the TauRIS terminal, pigeons that have been arrived will be send to another mobile phone by text message.

The only work to do is to enter the phone number of the receiver and connect the cell phone.

Setting the phone number

- Connect the terminal to the power supply.
- Press **[Start]** to get the function display.
- Press **[0]** to enter the phone number.

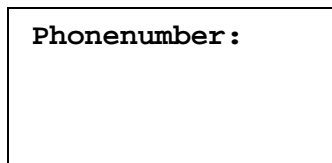


Fig. 18

Enter the phone number (you can use **[Æ]** to get "+" for country code)

You can enter up to 15 digits for the number.

You can delete a digit by pressing **[Å]**.

If you have entered all digits, press **[#]** to store the number.

Press **[Start]** to get the main menu.

Connecting the mobile phone

- Connect the compact ComPort to the terminal (15pin connector).
- Connect the sensor to the compact ComPort (15pin connector).
- Connect the data cable of the mobile phone to the compact ComPort (9pin connector).

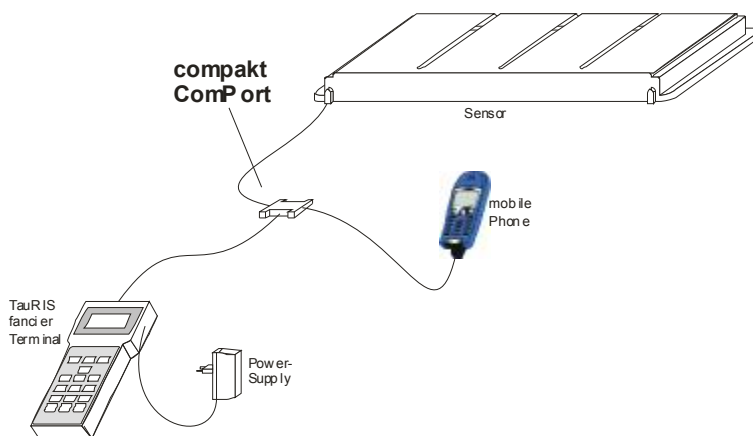


Fig. 19

Application

Start training or a flight.

If you start registering, you see the message "Cellphone...ok".

Now you will be informed about your pigeons by a text message.

- You get a text message every 5 pigeons clocked.
- You get a text message when less than 5 pigeons are clocked after 5 minutes.

Attention: The cell phone you want to use has to support following functions:

1. Serial interface with 19200 Bit/sec.
2. GSM 03.38 standard
3. text message (SMS) in PDU mode (Text mode is not supported by TauRIS)

Guarantee

Rüter EPV-Systeme GmbH offers a two-year guarantee and begins with the date of delivery.

The guarantee does not cover the following:

- Damage caused by a failure to observe the instructions for use or as a result of improper use.
- Damage caused by external influences.
- Damage to devices on which the serial number or the seal have been removed, destroyed or tampered with.

A valid guarantee is to be proven by means of the invoice date. Please retain your invoice for this purpose!

The guarantee period will not be extended following the submission of a guarantee claim.

For damages which occur accidentally or causally by the use of the device, Rüter EPV-Systeme is not responsible.

Rüter EPV-Systeme GmbH does not take over any responsibility for faults or loss of data which are due to improper use or failure of the device.

Delivery and packaging

Immediately upon receipt respectively unpacking of the device it should be checked with respect to visible transport damages. Is there a transport damage or is the consignment incomplete, please inform the supplier immediately. In this case, the system may not be put into action.

In order to avoid transport damage, we recommend that goods are only dispatched in their original packaging. Please retain it for this purpose.

Disposal of waste equipment

Disposal of waste equipment by users in private household in the european union



This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and recycling of your waste equipment at this time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the dealer where you purchased the product.