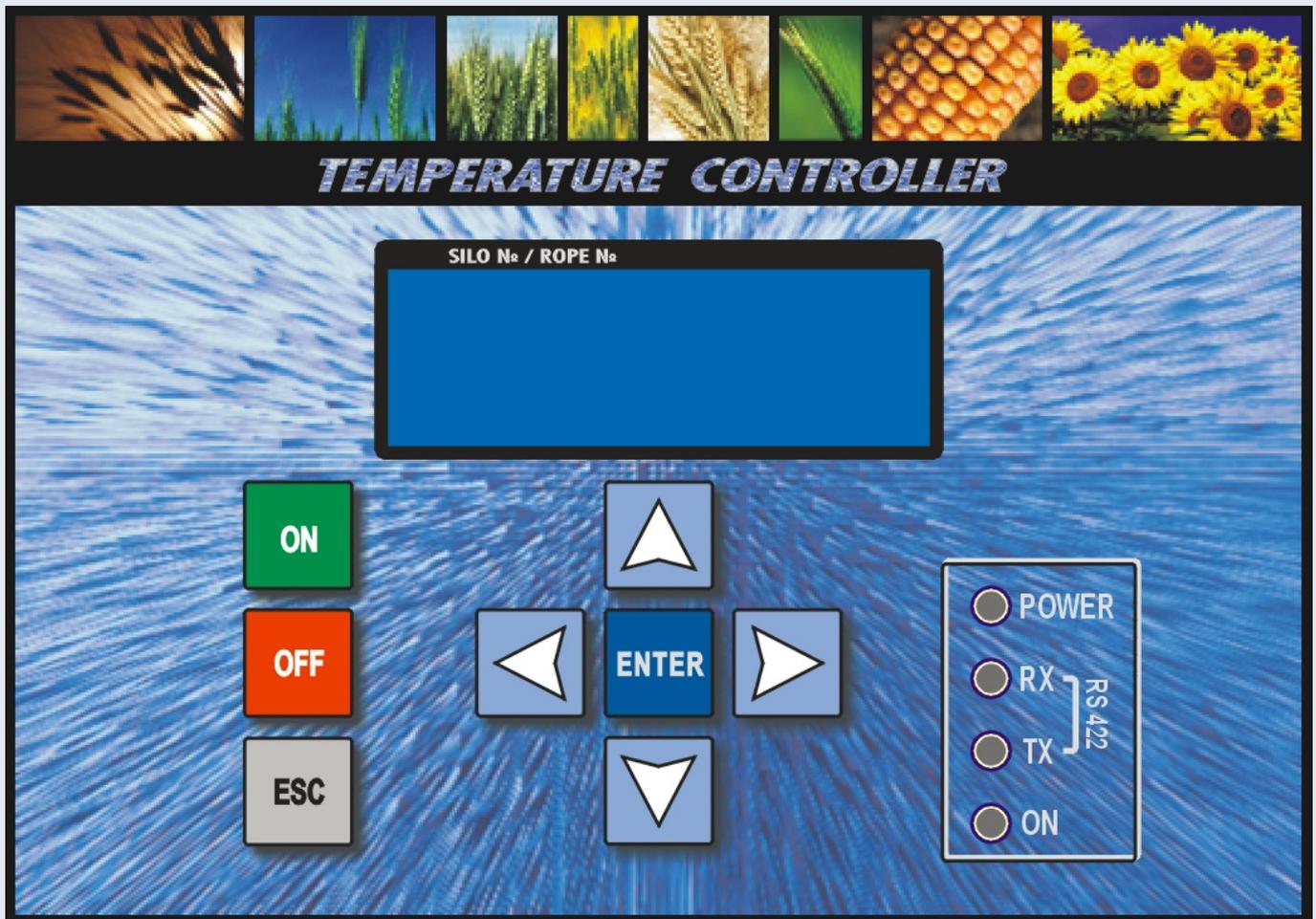


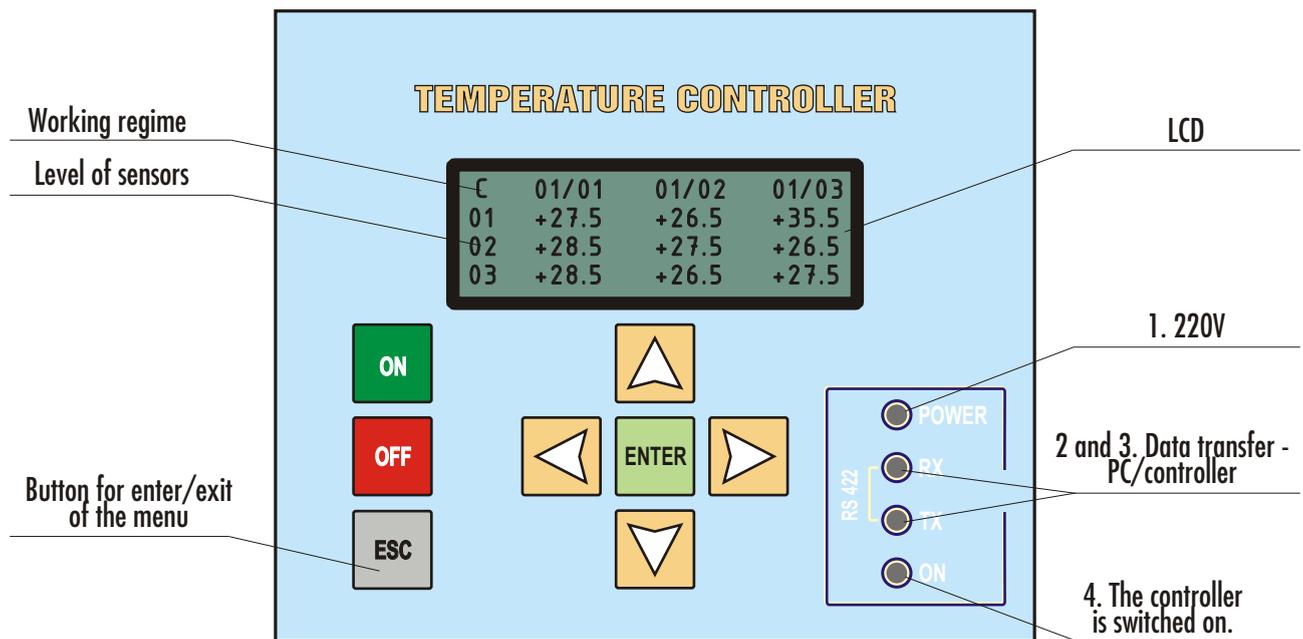
USER MANUAL

TEMPERATURE CONTROLLER

model 6.7/2007



I. BASIC DETAILS OF THE PANEL



The display usually shows the temperature of the sensors/ropes/silos.

01/04 - silo 01/rope 04.

C - working regime.

On the left side of the LCD is shown the working regime of the controller - **C** (continues) or **M** (manual).

Manual regime - the controller is loading the data of the sensors a single time. To reload data must select MANUAL from TYPE OF READING from the menu, again (see below). The controller doesn't save data and hour of the last measure. That information is available only by the software programme InfoNav.

Continues regime - the controller loads data from the sensors automatically in every 3 minutes. During the loading, on the LCD is shown: READING DATA... Hold on a few seconds, until the controller reloads new data from the sensors.

Under the working regime are shown the levels of the sensors.

01 - first level - always on the bottom of the silo.

II. WORK WITH THE MENU OF THE CONTROLLER.

Basic menu is reached by the button **ESC**. To use and/or set-up any of the four basic options - move the arrow on the LCD by the buttons **▲** and **▼**, until the arrow gets in front of the option. All options are reached by pushing of the button **ENTER**. To confirm the made set-ups push the button **ENTER**. If you don't wish to memorize the set-ups and/or you wish to leave the option, please push the button **ESC**.

The basic menu contains the following four options:

```
08-05-06 18:25
>DISPLEY DATA
ERASE MEMORY
v SEARCH ALARM
SETTINGS
```

Only three options can be shown on the display. To reach the last (or the first one) use the buttons  and . To use one of the four options after it is chosen you must push the button .

1. OPTION - DISPLAY DATA

In initially switching of the controller on the display for a few seconds is shown **INFOTECH GROUP VER.6,7**. After that this label is replaced automatically by data of the sensors, or label **READING DATA...** (In case the controller is in automatical regime of work), which means that the controller is reloading the data.

If you enter the basic menu you may go back again to the data of the sensors by choosing **DISPLAY DATA** by the button  or by pushing several times the button .

2. OPTION - ERASE MEMORY

This option is for service use only!

To access this option you need unique 4-digit PIN code - Enter **PIN:0000**. If it is necessary, the provider of the system will give you the PIN code.

ERASE MEMORY serves for total erasing of the controller`s memory.

In case, the controller memory is necessary to be erased - enter the PIN code by buttons    . Confirm erasing operation by the button .

After a few seconds on the display will appear the label **NO DATA**. This means that the memory is totally erased! To restore the memory, please follow the steps:

SETTINGS -> READ DATA BASE

On the display will appear label **SEARCH AND SAVE BASE**. After a few seconds on the display will be shown the result of the search. For example: **FOUND DEVICES = 06**
NEW DEVICES = 06
END OF SEARCH

If the controller hasn`t registered none or incomplete number of devices the label will be: **NO DEVICES**

END OF SEARCH

Repeat the operation or contact the provider of the system.

3. OPTION - SEARCH ALARM

By this option SA of the main option settings you may see only these sensors which have too high temepretature values (see below).

```
SEARCH ALARM
SILO:01
CABLE:01 LEVEL:04
Temp:+49.5
```

If in the base there is one or more sensors with higher temperature than the set-up in the ALARM CONDITION (SETTINGS) you may see it by this option, using the button . After you check the last sensor, on the display will appear the label END OF ALARM SEARCH.

Leave by the button .

4. OPTION - SETTINGS

By this option you can make the follow settings:

READ DATA BASE
TIPE OF READING
TIME & DATE
TRIAL TIME
ALARM CONDITION
BACKLIGHT
DEFAULT SETTINGS

4.1 READ DATA BASE - Reading the memory of the controller

READ DATA BASE as well as ERASE MAMORY are system options - for use only by the firm supplier.

If it is necessary, the option is accessible by entering PIN code (see ERASE MEMORY). Choose the option READ DATA BASE, enter the PIN code and confirm by the button . The controller will search the devices installed in the system. If everything is correct after a few seconds on the display will appear the label:

FOUND DEVICES = 06
NEW DEVICES = 00
END OF SEARCH

This means that it has found the existing 6 devices and not a single new one. Exit with the button .

4.2 TYPE OF READING - Working regime of the controller

By this option you can choose one of two working regimes of the controller.

- C (CONTINUES) - automatical regime;
- M (MANUAL) - manual regime..

Confirm the chosen regime by the button .

4.3 TIME & DATE

To set-up the data and/or the time and minutes confirm by the button , and on the display you will see: TIME & DATE

08-05-06 18 25

Use the buttons  and  to choose the couples of figures. The couple is chosen when undet it there is the symbol ^. The change is performed by the buttons  и .

Confirm set-up by the button . To exit of the option use the button .

4.4 TRIAL TIME

Each controller firstly have to be set-up in trial period regime. At the end of this period, have to be entered PIN code (see ERASE MEMORY). , to continues working of the controller, and system.

To avoid system stops in future, set-up the option, like that: 00-00-00

Confirm the setting by the button . To exit the option use the button .

4.5 ALARM CONDITION

To use the option SEARCH ALARM (for exceeded values) you must set-up the option ALARM CONDITION in advance.

>T_{max} (16-60) =25

The T max setting for maximum available temperature is good to be set-up according the season of the grain storage.

T_{min} (00-15) =00

The T min is setting for the minimum available temperature. Values below 0°C are not provided.

The change is performed by the buttons  and . Confirm the setting .

4.6 BACKLIGHT

>BACKLIGHT ON
BACKLIGHT OFF

By this option you may switch off/on the backlight of the display. Use the buttons  and . Confirm the setting .

4.7 DEFAULT SETTINGS

CONFIRM DEFAULT <- /

The confirmation of this option will restore the original settings of the controller. The settings BACKLIGHT and SLEEP are exceptions.

III. ERROR MESSAGES

CABLE NOT ATTACHED - There is no connection between the devices.

The most probable cause of this damage is a broken connection between the ropes with the sensors and the controller. Check carefully for a mechanical damage of the equipment and contact the firm supplier of the system.