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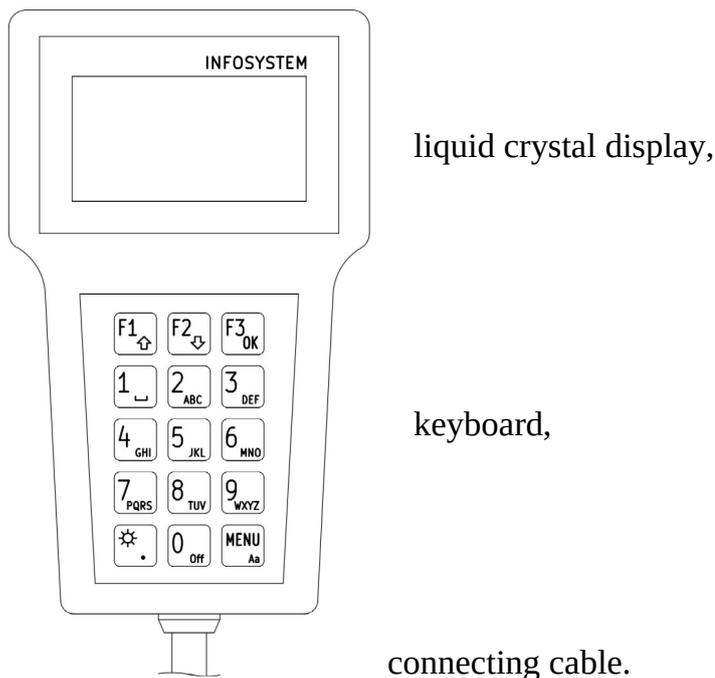
## Device for displaying messages INFOSYSTEM

The device consists of two basic elements:

- LED matrix displaying large text messages,
- control device for selecting and switching the display of messages.

The INFOSYSTEM controller is a device equipped with a keyboard, display and cable connection. In addition, a holder is provided with the device, allowing the controller to be placed in a convenient place.

The appearance of the device and its main components is shown in figure:



### Device operation.

The device allows displaying messages on the LED matrix. Messages can consist of several parts, displayed one after another for a selected time. The content of messages, their order can be changed as desired. You can also add new messages with any content.

### **Selecting and switching messages.**

After switching the power on, the display shows the list of names of entered messages. You can move around the list by pressing F1 (up) or F2 (down). Pointing on the list is possible with > and < markers on the display margins.

If you want to display the indicated message on the LED matrix, press F3 (OK). You can display a message from items 1 to 9 of the list by pressing the button with the appropriate number (1..9).

If you want to change the displayed message to another one, do the same (pointing to the list and pressing F3 or pressing the appropriate number).

If you want to turn off the message displayed on the LED matrix, press the button with the number 0 (OFF).

When you enable a selected message, it will be highlighted in the list (displayed in negative) and a triangle mark will appear in the upper right corner of the controller display.

The sun ☼ or moon ☾ symbol is also shown in the upper right corner of the display. This symbol indicates the brightness with which the message is (or after being turned on) displayed on the LED matrix. You can change the display brightness by pressing the button with the ☼ symbol (sun, on the left of the digit 0).

### **Entering new messages.**

When the message list is displayed, press the MENU button. In the list, select (F1 / F2 buttons) the “Add message” operation and press the F3 (OK) button. In the first line enter the name of the message – it will be displayed in the list of selectable messages. Enter the name (characters) by pressing the number buttons 1 to 9 or the button with the symbol ☼ (sun and dot). After pressing one of these buttons on the bottom line of the display you will see a list of letters (and other characters) from which you can select any character by repeatedly pressing the button. The selected character will be displayed in negative, wait for a while, the character will appear in the entered name.

If you want to delete an incorrect character, press F1 (delete).

You can get a space by pressing the number 1 button once. You can change the case (uppercase / lowercase) by pressing the MENU button.

When you finish entering the name, press the F3 button (done). You will be taken to a new line and you will be able to enter the part of the message displayed on the LED matrix.

Entering the next part of the message is the same as entering the name.

When you finish entering the last part, press F3 once again after pressing F3 (OK).

You will be asked to confirm the entry: press F1 (yes) to save the message, F2 (no) to abandon input, F3 (return) to return and enter the next part.

If you want any part of the message to be empty (the LED matrix is to be dark), enter as one character a space (key with the number 1).

The saved message will appear at the end of the message list.

Press the MENU button to return to the message list.

Turn on displaying of the message and check if all parts fit on the LED matrix. If necessary, change the content or enter the message again.

### **Deleting messages.**

When the message list is displayed, press the MENU button. In the list, select (F1 / F2 buttons) the “Delete message” operation and press the F3 (OK) button. Mark the appropriate message using the F1 (up) and F2 (down) buttons, pick the message to be deleted by pressing the F3 (delete) button. Confirm the deletion by pressing the F1 (yes) button or cancel the operation by pressing F2 (no).

Press the MENU button to return to the message list. If you confirmed the deletion, the message in the list will no longer be displayed.

Deleting the message is irreversible. In case of incorrect deletion, you must enter the message (name and all its parts) again.

### **Editing messages.**

If the message you entered has some content error, you can correct it. Correcting content does not include the ability to rename or add or remove parts of a message.

When the message list is displayed, press the MENU button. Select (F1 / F2 buttons) on the list the “Edit message” operation and press the F3 (OK) button. Mark the appropriate message using the F1 (up) and F2 (down) buttons, pick the message to be edited by pressing the F3 button (select). Mark the line (part) of the message (F1 / F2 buttons) you want to correct and press F3 (select).

You can edit the content in the same way as entering the content of a new message. After making corrections, press F3 (ready). Now you can confirm saving the changes with the F1 key or discard the changes with the F2 key.

Press the MENU button to return to the message list.

Turn on displaying of the message and check if the changed part fits on the LED matrix.

### **Change the order of messages.**

If you have added a new message, it will be added to the end of the list. You can change its position in the list using the reorder menu.

When the message list is displayed, press the MENU button. Select (F1 / F2 buttons) on the list the “Change order” operation and press the F3 (OK) button. Mark the message you want to move using the F1 (up) and F2 (down) buttons. Grab the message to be moved by pressing F3 (grab). Use the F1 (up) and F2 (down) buttons to move the message to the desired location. Press the F3 (release) button to leave the message where you want it. You can do the same with another message until you get the order you need. You will end the ordering operation by pressing the MENU button. Confirm saving changes by pressing F1 (yes) or cancel saving by pressing F2 (no).

Press the MENU button to return to the message list.

### **Controller Settings.**

When the message list is displayed, press the MENU button. Select (Settings F1 / F2) on the list the “Settings” operation and press the F3 (OK) button. You will see a list of possible settings, which has the following items:

“Choose language” – after selecting this operation, you can choose the language in which messages will be displayed on the controller LCD,

“Matrix size” – this operation sets the size of the LED matrix. You must select a size that matches the size of the matrix being used, an incorrect setting will cause the message to be displayed incorrectly.

“Display period” – here you set the time for which each part of the message will be displayed.

“Memory reset” – the operation deletes (formats) the memory. All messages are deleted, instead the messages entered by the device manufacturer will appear. The operation is irreversible, you must confirm it twice.

Return to the list of messages by pressing the MENU button.

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### **Possible problems and solutions.**

After turning the power on, the controller display is dark and empty – check the power connection (fuse), check the connection of the controller to the connector (plug at the end of the spiral cable).

After turning the power on, the message list is empty – all messages have been deleted. You can restore the factory messages by formatting the memory (Settings menu – Clear memory) or enter your own (Add message menu).

When you try to switch on displaying message, an error message appears – the problem is in the connection of the controller with the matrix. Check the correctness of connections.

Some strange characters are displayed on the LED matrix – check the matrix size setting (Settings menu – Matrix size).

The inscriptions on the LED matrix change too quickly – change the display period to longer (Settings menu – Display period).

The message on the LED matrix is cut off – divide the message into short parts by editing or re-entering it.

The displayed message is too bright (blinding) – switch the brightness to night (button with the symbol ☀ (sun, on the left side of the 0 button).

If you notice a system malfunction, try turning the power off for 5 seconds and then turning it back on again. If the problem persists, contact the service.