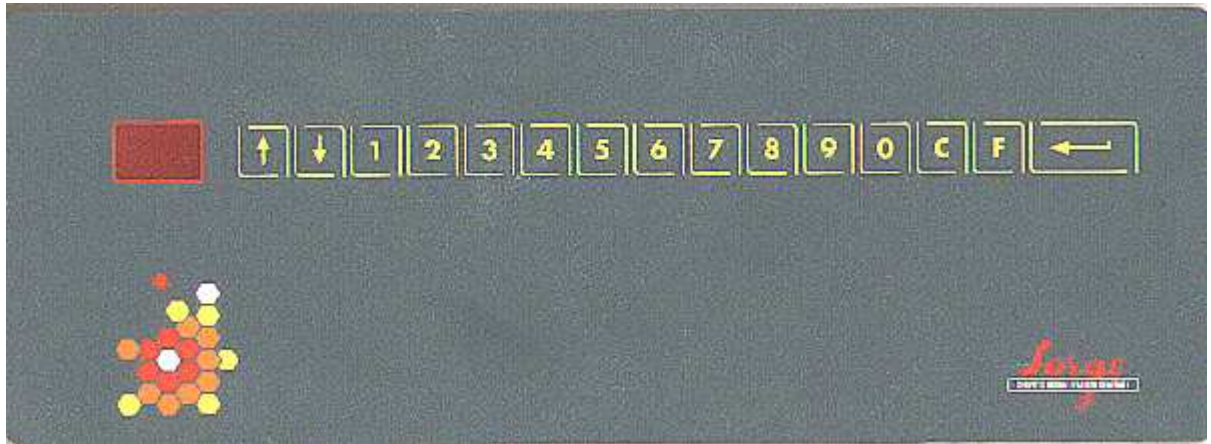


ARCHIVE SYSTEM

SORGE KEYBOARD mod. SRG2



USER MANUAL

INVERTER 220/380V MOTOR

(REV. 2.0)

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1) INTRODUCTION

This manual describes the use of SORGE **class 1000** archives in the configuration with **SORGE SRG2** keyboard.

The **SORGE SRG2** system controls all the electrical variables used during the normal working state of the archive.

Nevertheless the system is able to control the levels movement by an electronic inverter device working at 220V /1ph/50/60 Hz or 380V/3ph/50/60 Hz.

The man/machine interface is based on an user friendly 15 key keyboard and alphanumeric display (2 characters). All the required information for the normal job are displayed by simple messages; also the security and emergency states are indicated by displayed messages in order to prevent and avoid dangerous electrical and mechanical working situations.

The **SORGE SRG2** has a complete set of FUNCTIONS for the system configuration. The system configuration is required at the beginning of the operation e.g. : the maximum number of level of the archive, the actual level and the delay parameters for the right positioning of the levels at the stop.

The SORGE SRG2 includes also a function useful to enable or disable a password.

2) POWER ON

When the main line power connection (220V ac. line or 380V ac. line) is switched on (the switch is located on the right side of the archive) the keyboard display shows the message **In**. The operator must push the **Enter** key and, if the keyboard is ready, on the display you can read the number of the last carrier called.

3) PASSWORD OPTION

To Enable/disable the password when you switch on the cabinet you must push the **F** key and the keyboard display shows the message **P-**.

If you push **0** you don't have to insert a password to use the cabinet,

if you press **1** you need a password to use the cabinet.

The default password from the factory is **1111**, if you want to change it see chapter 3.8.

4) **KEYBOARD SETUP**

The SETUP MENU is particularly useful at the first time you switch on the cabinet to set up all the functions you need for a correct job of the cabinet.

5) **SETUP MENU**

The SETUP MENU is available after you switch on of the keyboard. To enter the SETUP MENU is necessary to push **F key** and at the same time to keep pushed the **function number key**.

The complete list of functions is:

- 1) **F1**: Carriers number setting
- 2) **F2**: Number of carrier at keyboard level setting
- 3) **F3**: FW delay level sensor setting
- 4) **F4**: REV delay level sensor setting
- 5) **F5**: High to Low speed delay setting
- 6) **F6**: Low to High speed delay configuration
- 7) **F7**: Adjacent carriers delay setting
- 8) **F8**: Password modify

▪ **F1 –CARRIERS NUMBER SETTING**

- 1) Push F key and then push number 1 key. The display shows the message **F-** or the carriers number you have already settled
- 2) Digit the value corresponding to the total number of the carriers of the cabinet. In case of wrong operation use the **C** key and digit again the right value. Confirm the choice with ENTER key.
- 3) If the number of carriers is correct you can go out from this option if you press **F** key.
- 4) After point 3 the display shows the message **F-** . Now it is possible to change option (1-8 keys) or go out from the setup menu pushing **F** key another time

▪ **F2- NUMBER OF CARRIER AT KEYBOARD LEVEL SETTING**

- 1) Push F key and then push number 2 key. The display shows the message **F-** or the carriers number you have already settled.
- 2) Digit the value corresponding of the carriers at keyboard level. In case of wrong operation use the **C** key and digit again the right value. Confirm the choice with ENTER key.
- 3) If the number of carriers is correct you can go out from this option if you push **F** key.
- 4) After point 3 the display shows the message **F-** . Now it is possible to change option (1-8 keys) or go out from the setup menu pushing **F** key another time

F3- FW delay level sensor setting

- 1) Push F key and then push number **3** key. The display shows the message **F-** or the value number you have already settled.
- 2) Digit the value corresponding to the REQUIRED DELAY (00-99) to stop carriers in the correct point when they work FW. In case of wrong operation use the **C** key and digit again the right value. Confirm the choice with ENTER key.
- 3) If the number shown on the display is correct, you can go out from this option if you push **F** key
- 4) After point 3 the display shows the message **F-** . Now it is possible to change option (1-8 keys) or go out from the setup menu pushing **F** key another time

F4- REV delay level sensor setting

- 1) Push F key and then push number **4** key. The display shows the message **F-** or the value number you have already settled.
- 2) Digit the value corresponding to the REQUIRED DELAY (00-99 millisecond) to stop carriers in the correct point when they work REV. In case of wrong operation use the **C** key and digit again the right value. Confirm the choice with ENTER key.
- 3) If the number shown in the display is correct you can go out from this option if you push **F** key
- 4) After point 3 the display shows the message **F-** . Now it is possible to change option (1-8 keys) or go out from the setup menu pushing **F** key another time

F5: High to Low speed delay setting

- 1) Push F key and then Push number **5** key. The display shows the message **F-** or the value number you have already settled.
- 2) Digit the value corresponding to the REQUIRED DELAY H-speed to L-speed (00-99 second)
In case of wrong operation use the **C** key and digit again the right value. Confirm the choice with ENTER key.
- 3) If the number shown in the display is correct you can go out from this option if you push **F** key
- 4) After point 3 the display shows the message **F-** . Now it is possible to change option (1-8 keys) or go out from the setup menu pushing **F** key another time

F6: Low to High speed delay setting

- 1) Push **F** key and then push number **6** key. The display shows the message **F-** or the value number you have already settled.
- 2) Digit the value corresponding to the REQUIRED DELAY L-speed to H speed (00-99 second)
In case of wrong operation use the **C** key and digit again the right value.
Confirm the choice with **ENTER** key.
- 3) If the number shown in the display is correct you can go out from this option if you push **F** key
- 4) After point 3 the display shows the message **F-** . Then is possible to change option (1-8 keys) or go out from the setup menu pushing **F** key another time

F7 : Adjacent carriers delay setting

- 1) Push **F** key and then push number **7** key. The display shows the message **F-** or the value number you have already settled.
- 2) Digit the value corresponding to the REQUIRED DELAY (00-99 second)
In case of wrong operation use the **C** key and digit again the right value.
Confirm the choice with **ENTER** key.
- 3) If the number shown in the display is correct you can go out from this option if you push **F** key
- 4) After point 3 the display shows the message **F-** . Now it is possible to change option (1-8 keys) or go out from the setup manu pushing **F** key another time

F8: Password modify

The password is a 4 digit code and the input operation is crypted.

- 1) Push **F** key and then push number **8** key. The display shows the number **1**.
The operator digits the first value of the pasword and then push enter to confirm.
- 2) The display shows the number **2**. The operator digits the second value of the pasword and then push enter to confirm.
- 3) The display shows the number **3**. The operator digits the third value of the pasword and then push enter to confirm.
- 4) The display shows the number **4**. The operator digits the fourth value of the pasword and then push enter to confirm.
- 5) After point 4 the display shows the message **F-** . Now it is possible to change option (1-8 keys) or go out from the setup manu pushing **F** key another time

6) LOWER LEVEL FUNCTIONS

- **POWER ON**

After the main line power connection (220V ac. line or 380V ac. line) switch on the cabinet via the main power switch located on the right side of the archive (ON position).

- **ACCESS CODE**

The keyboard can be set with the access code function.

If the access code function is on, the operator to use the keyboard must digit a password. The **password code is alphanumeric (4 digits)**. After n° 3 wrong trials the keyboard blocks up and it's necessary a particular process to unclamp it.

- **WORKING MODE**

When the keyboard is ready on the display you can read the number of the last carrier called. That number is stored by the keyboard also when the filing cabinet is switched off. So it's no necessary a reconfiguration when you switch on the machine again.

- ***Simple carrier call up***

The operator push the number of the selected carrier and then push ENTER.

The automatic filling system start to move.

Electronic control system ensures that the carriers selected always take the shortest way to the work desk.

- **Selection with arrow keys** ↓↑ The keyboard has two arrow keys (up/down) that allow the operator to rotate the carriers and find the stored material he/she wishes to retrieve.

7) **EMERGENCY MODE**

EMERGENCY MODE is useful when there are some cabinet breakages (Photoelectric barriers, Security switches, Mainboard or Keyboard).

EMERGENCY MODE allows to work with the cabinet using the two buttons located on the right side of the cabinet while the keyboard display is out.

In this case the carriers rotation works only at low speed.

Turn the key located on the right side of the cabinet in POSITION 1 (EMERGENCY) POSITION 0 (NORMAL).

- 1) Switch on the cabinet.
- 2) Push the green button to activate the powerboard. During the emergency use the green button must be always pushed. (this is important for operator security).
- 3) Push one of the two arrow buttons to start the rotation of the carriers. During the emergency mode all security switches don't work.

8) **MANUAL MODE**

In case of electricity black out or if the engine is out of order is possible to rotate the carriers manually.

To do this you have to use a special winch that you can find with the cabinet.

To use the winch you have to read the following instructions:

- **REMOVE THE SMALL DOOR ON THE RIGHT SIDE OF THE LOWE FRONT PANEL**
- **REMOVE THE PLUG**
- **TURN THE BLACK KNOB**
- **PUT THE WINCH IN THE HOLE**
- **TURN THE WINCH TO MOVE CARRIERS.**

9) ACCIDENT PREVENTION AND SAFETY

- Photoelectric barrier to protect the consulting space and desk to avoid unwanted touch between the moving carriers and the workers or some object.
- Pressure rib switch to avoid every accident in the upper and in the lower edge of the consulting space.
- Lighting red head button for emergency stop.
- Security switches on mechanical gears opening door.
- Security switch on emergency manual actuator.
- In case of intervention of protection and safety devices the automatic control switches off. The keyboard display will show the autodiagnosics.
- Low voltage auxiliary supply (24V)