

LEGGI E CONSERVA
QUESTE ISTRUZIONI
READ AND SAVE
THESE INSTRUCTIONS

model with battery



Fig. 1

model with power supply switching

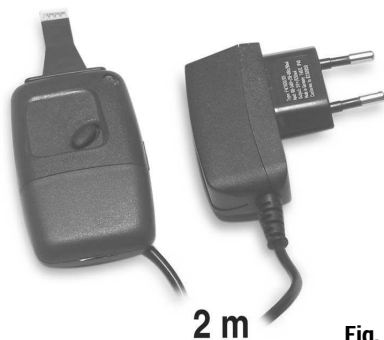


Fig. 2

upload

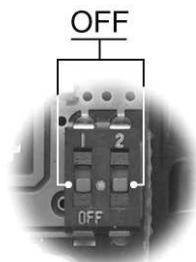


Fig. 3

download

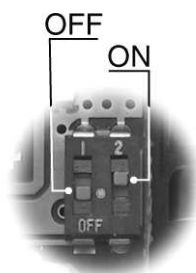


Fig. 4

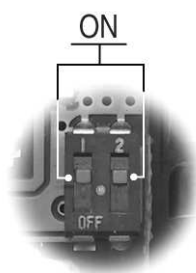
extended download
(only for compatible controllers)

Fig. 5

Ⓢ Thank you for your choice. We trust you will be satisfied with your purchase.

The programming keys PSOPZKEY00 and PSOPZKEYA0 for CAREL controllers are used for copying the complete set of parameters for the powersplit, MasterCase, I/O module, powercompact, IR33 and other future devices.

The keys must be connected to the connector (4 pin AMP) fitted on the controllers, and can work with the instruments ON or OFF, as indicated in the operating instructions for the specific controller.

ATTENTION: **PJOPZKEY00** is to be used **ONLY** with plug-in controllers;

PSOPZKEY00 is used **ONLY** for the following controllers: powersplit, MasterCase, I/O module, powercompact, IR33 and compatible;

PSOPZKEYA0 is compatible with all models of the PSOPZKEY00 (the only difference is the switching power supply).

The two main functions (upload/download) that can be selected through two dip-switches (which are placed under the battery cover). They are:

- Loading to the key the parameters of a controller (UPLOAD);
- Copying from the key to one or more controllers (DOWNLOAD).

Warning: the copying of the parameters is allowed only between instruments with the same code. Data loading operation to the key is always allowed.

To make identification of the key easier CAREL has inserted a label on which you can describe the loaded programming or the machine to which you are referring.

UPLOAD - copying the parameters from an instrument to the key:

- open the rear hatch of the key and place the two dip-switches in the OFF position (see Fig. 3). Close the hatch;
- connect the key to the connector of the instrument;
- press the button on the key and keep it pressed, checking the LED signal sequence: at first it is red, after a few seconds it becomes green;
- if the sequence of signals is as indicated above, the copying operation has been completed correctly (green LED ON), the button can be released and the key disconnected from the instrument; in case of different signals: if the green LED doesn't turn on or if there are some flashes, there's a problem. Refer to the corresponding table for the meaning of the signals.

DOWNLOAD - copying the parameters from the key to the instrument:

- open the rear hatch of the key and place the dip-switch n. 1 in the OFF position and the dip-switch n. 2 in the ON position (see Fig. 4). Close the hatch;
- connect the key to the connector of the instrument;
- press the button on the key and keep it pressed, checking the LED signal sequence: at first it is red, after a few seconds it becomes green;
- if the sequence of signals is as indicated above, the copying operation has been completed correctly (green LED ON), the button can be released; after a few seconds the LED turns off and the key can be disconnected from the instrument;
- in case of different signals: if the green LED doesn't turn on or if there are some flashes there's a problem. Refer to the corresponding table for the meaning of the signals.

The operation takes maximum 10 seconds to complete. If after this period the completed operation signal hasn't yet appeared, i.e. the green LED ON, try releasing and pressing the button again. In the event of flashes, refer to the corresponding table for the meaning of the signals.

EXTENDED DOWNLOAD - (only for compatible controllers) copying the parameters from the key to the instrument:

- open the rear cover of the key and place the two dipswitches in the ON position (see Fig. 5). Close the cover and follow the instructions shown above to correctly copy the parameters;
- this configuration of the two dipswitches allows the complete map of parameters on the controller to be copied, including those corresponding to the hardware configuration and the special parameters that are not displayed by the controller (refer to the technical manual for the instrument and check if this function is available).

LED signal	Error	Meaning and solution
red LED flashing	Flat batteries at the beginning of the copying	The batteries are flat, the copying cannot be carried out. Replace the battery (only on PSOPZKEY00).
green LED flashing	Flat batteries at the end of the copying (only on PSOPZKEY00)	The copying operation has been carried out correctly but at the end of the operation the voltage of the batteries is low. It is advisable to replace the batteries.
Alternate red/green LED flashing (orange signal)	Not compatible instrument	The setup of the parameters cannot be copied since the model of the connected parameters is not compatible. Such error happens only with the DOWNLOAD function, check the controller code and make the copy only on compatible codes.
red and green LEDs ON	Copying error	Error in the copied data. Repeat the operation; if the problem persists, check the batteries and the connections of the key.
red LED always ON	Data transmission error	The copying operation hasn't been completed because of serious data transmission or copying errors. Repeat the operation, if the problem persists, check the batteries and the connections of the key.
LEDs OFF	Batteries disconnected	Check the batteries (for the PSOPZKEY00)
	Power supply not connected	Check the power supply (for the PSOPZKEYA0)

Technical specifications:

Power supply to the PSOPZKEY00	- Use three 1.5 V 190 mA batteries (Duracell D357H or equivalent) - Maximum current supplied 50 mA max.
Power supply to the PSOPZKEYA0	- 115 to 230 Vac switching power supply; cable length = 2 metres
Operating conditions	0T50°C r.H. <90% non-condensing
Storage conditions	-20T70°C r.H. <90% non-condensing
Case	Plastic, dimensions 42x105x18 mm including prod and connector Figs. 1 and 2

(Here we have dealt only with the base functions of the instrument. For the remaining specific functions, see the manual of the instrument that is being used)