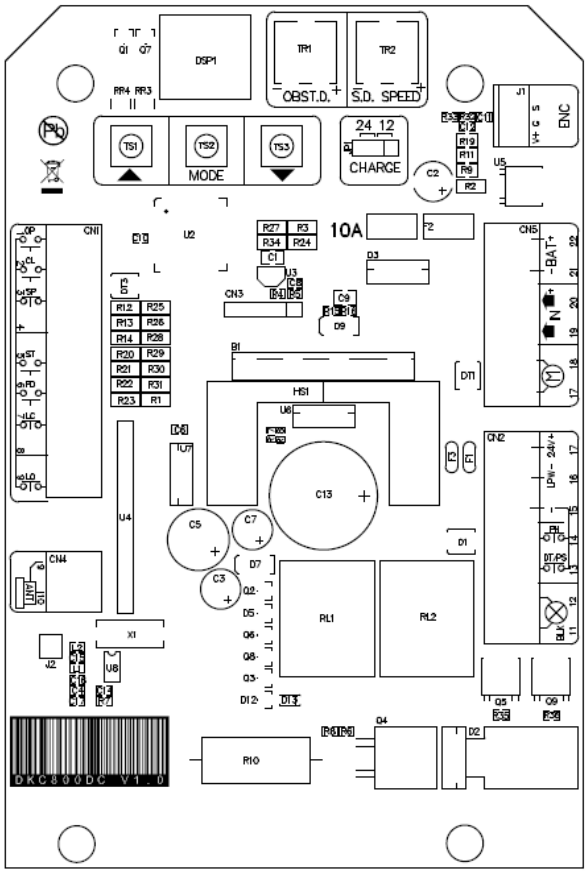
GB Instructions Manual

Rev. 1.0



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Important: Read carefully this manual before the installation. This manual is integral part of your product, keep it for reference.

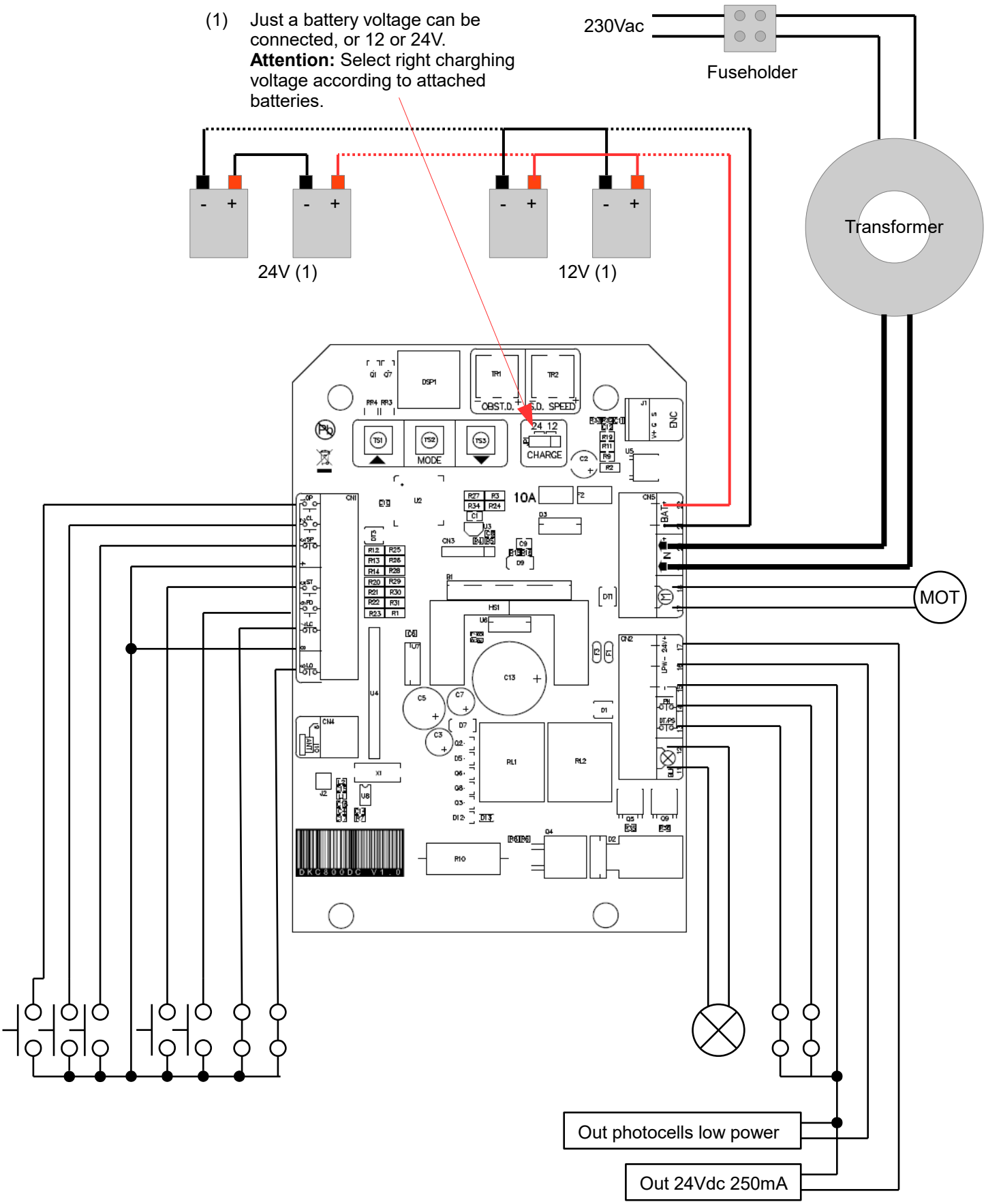
Warnings: First of all verify that this product is suitable for the installation. Read carefully technical characteristic before the installation.
Installation of this control unit must be properly done by qualified installers, following rules and regulations of installation country.
It's mandatory do periodic maintenance each 6 month. Maintenance or repairing must be done by qualified Technicians. Turn power off before maintenance or repairing.
This device is intended for gate automation, any other applications is strongly advised.
Not respecting of rules may cause serious damage to peoples, animals, things. Manufacturer discharges all responsibility for missed respect of rules.
Don't let this control unit unattended or where children can reach

Preliminary checking: Before to install this control unit, verify that all the connected devices respect the technical characteristics mentioned in the table which follows. Verify that a working and suitable life switch is installed upline the installation. Verify that cables composing the installation, are suitable for it.

Technical characteristics

Power Supply	12-20Vac/100-200VA +/-10%
Max. Current out (15-16)	250mA
Embedded Battery charger	12/24V 100mA
Max motor current	8A (200VA transformer)
Max flashing light current	1A
Operating temperature range	-5 +60°C
Backup battery	(2x) 12V 4.5Ah / (1x) 12V 7Ah

Wiring
Main functions



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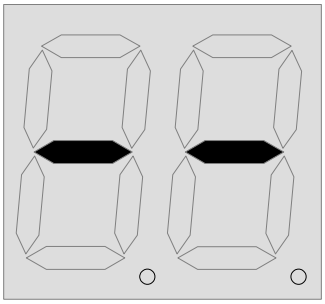
Input status

The display can show in each moment inputs status. If none input engaged, on the display "– –" is shown.

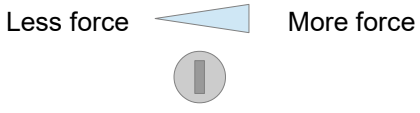


SP	Stop input
PS	Photostop
Pc	Photocell
dt	Detect input
oP	Open input
cL	Close input
St	Start input
Pd	Pedestrian start
Fc	Limit switch closing
Fo	Limit switch opening
--	None inputs
10	Pause countdown in seconds (blinking)

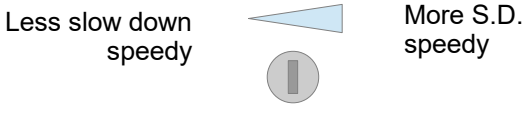
Trimmer regulations

The obstacle sensibility trimmer fine tunes the obstacle detection level learned by the control unit during working times programming. This fine regulation must be do after working times learning.
Normally the trimmer goes in the center, in this position should be possible to respect rules in most of installations. If it's need to resolve problems related to norms or to environmental situations (ex. strong wind) is it possible to regulate this trimmer increasing or decreasing sensibility.
Attention: Putting OD trimmer at max disables OD detection.

The slow down speed trimmer regulates the slow down speed. Do not set speed to low (less than 6 cm/sec on the wing edge) to avoid that gate get problems in too cold conditions.



TR1
Obstacle sensibility



TR2
Slow down speed

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Special features:

Self programming
This board in most chases doesn't need any working time programming to work, it comes from factory with a standard working time for a 4 m sliding gate. At first complete opening (from closing limit switch to opening l.s.) after a power reset the board calculate itself a value for the current gate, and sets the slowing down starting from next closing. This self learned setting can be deleted by resetting the board or by programming the working time.

Quick programming
To program quickly the working times, keep pushed *up* till you read LE on the display (3 seconds). If the gate isn't fully closed, it will close till the limit switch, than it will open to the Opening limit switch, and finally it closes once.
Attention: if you aren't sure about gate direction, set it in fully closed position before to start programming, the board will assume the engaged limit switch as closing side, and will manage motor direction automatically (see "Cd" menu in advanced menu)

Quick radio codes learn:
Push shortly *down* button to learn a remote (C1 is shown on the display), than transmit with remote. Pushing twice (C2 is shown on display) it is possible to insert a pedestrian opening command.

Quick radio codes erasing:
Keep pushed *down* button up to OK is shown on the display (about 5 seconds), then release the button, the codes are erased.

Auto Learning transmitters:
It's possible to learn transmitters quickly without using the base menu. To insert a new transmitter transmit 3 times with the new remote, making at least 1 second pause between each transmission. Than transmitt 3 times with a transmitter already in memory and then once with the new. When programmation is done, the stop led on the keyboard flash once.
Attention: This function must be enabled, refer to "advanced menu".

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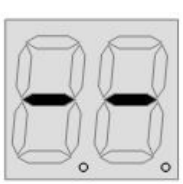
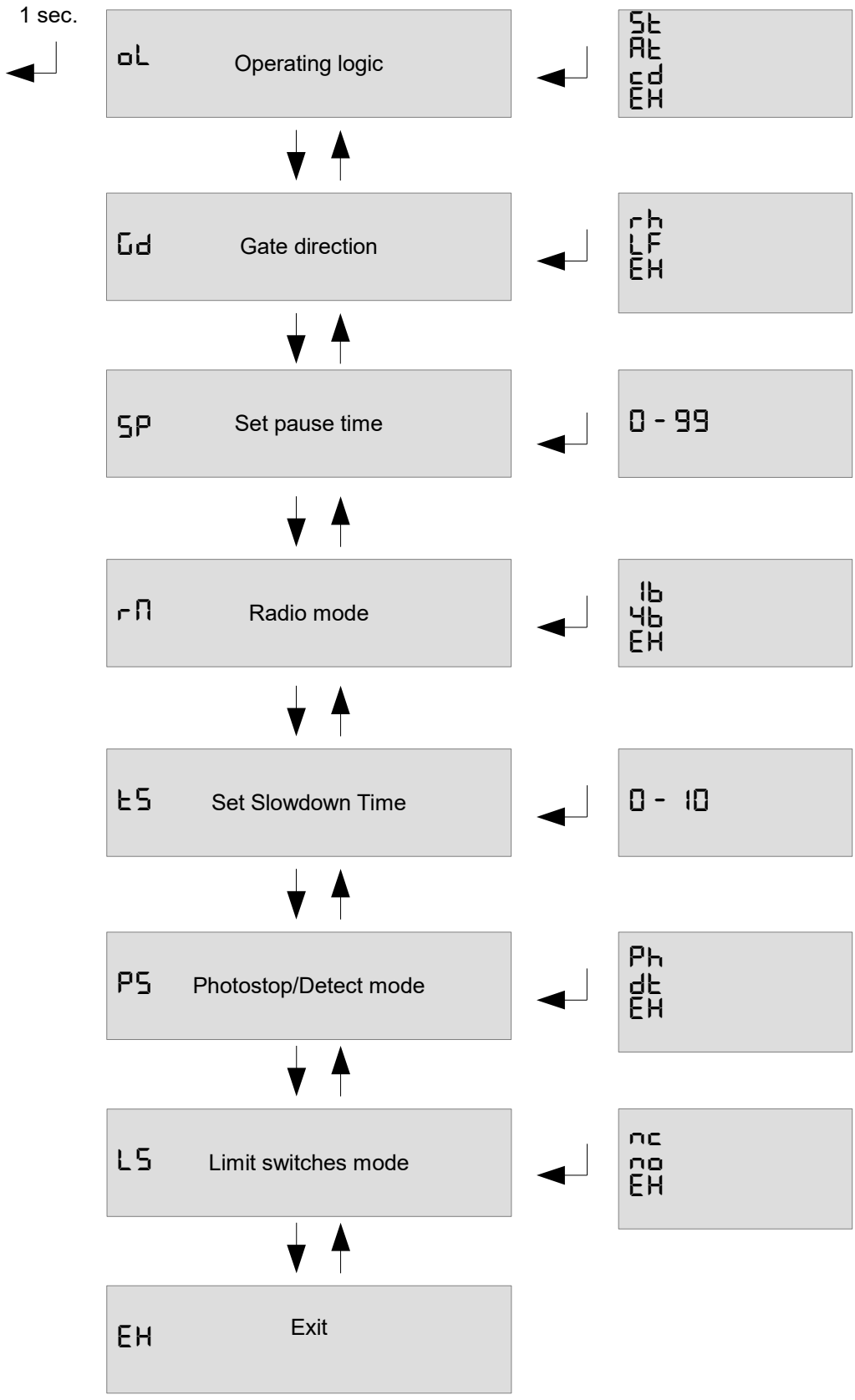
Board Programming

Main Menu

Push *enter* 1 for at least 1 second to enter main menu.
oL is on the display, with *up/down* it's possible to select other functions of this menu.
To exit this menu select EH or push up and down together.
After 20 seconds without actions, the control unit exits itself from this menu.

Main menu map





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Main Menu

St: steb by steb mode.
At: steb by steb mode with auto closing.
cd: Condominium mode .
To exit this menu select EH or push *up/down* together.

Gd Gate direction:
In this menu it's possible to invert motor direction and limit switches according if gate is right or left. Use up/down to choose right (rH), left (LF) or exit (EH). Push enter to confirm.

SP Set pause time:
Use *up/down* to set the pause time between 0 and 99 seconds. Push *enter* to confirm. To exit without modifications push together *up* and *down*.
To exit this menu push *up/down* together.

rn Radio mode:
1b: Each button of a new transmitter enter separately. User can choose the associated channel
(c 1 Start/open, c2 Pedestrian/close, c3 courtesy light command).
4b: Once you enter a button of transmitter in memory, All other buttons works. Each button take a channel between (open, close, pedestrian and stop)

tS Set slowdown time:
Use *up/down* to set the pause time between 0 and 10 seconds. Push *enter* to confirm. To exit without modifications push together *up* and *down*. If set 0, the slowing down is disabled
To exit this menu push *up/down* together.

PS Photostop mode
Set if PHST input works as Photostop (Ph) or Detect (dt) or exit (EH). Push enter to confirm. **Attention:** Photostop is a N.C. input, while Detect is a N.O. input.

LS Limit switches polarity
Set if LS are NO or NC. Use up/down to choose NO (no), NC (nc) or exit (EH). Push enter to confirm.
ATTENTION: in some countries NO input for safety devices is forbitten Please refer to single country safety rules in order to respect them.