



V2 City2+ PLUS

QUICK CONFIGURATION:

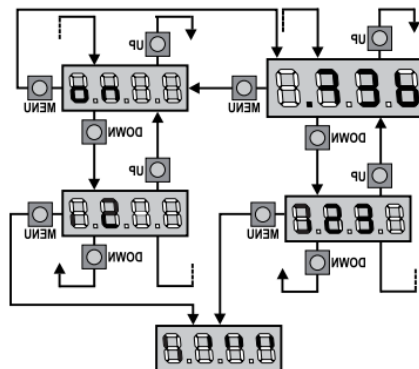
1. CAUTION: If there is only one motor, set the open time, t.AP2, to zero in order to inform the controller that the parameters for motor 2 do not need to be considered
2. Set items StoP - Fot1 - Fot2 - CoS1 - CoS2 according to the safety devices installed on the gate
3. Start the self-learning cycle
4. check that the automation work properly and if necessary modify the configuration of the desired parameters

LOADING OF DEFAULT PARAMETERS

If necessary, it is possible to restore all the parameters to their standard or default value

WARNING: This procedure causes the loss of all the customized parameters, therefore it has been put outside the configuration menu, to reduce the possibility of executing it by mistake

1. Press and hold down the MENU key until the -dEF appears on the display
2. Release the MENU key: the display will show ESC (press the MENU key only if you want to leave this menu)
3. Press the DOWN key: dEF will appear on the display.
4. Press the MENU key: no will appear on the display.
5. Press the DOWN key: Si will appear on the display.
6. Press the MENU key: All of the parameters are returned to their default values and the display shows the control panel



SELF-LEARNING OF WORKING TIMES:

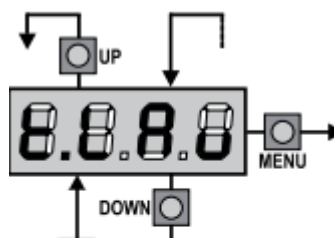
CAUTION: Before continuing, make certain that the limit switch(es) and encoder(s) have been installed correctly. Limit switches and encoders, if installed, must be enabled using the specific menu.

1. Press and hold down the MENU key until the -APP appears on the display
2. Release the MENU key: the display will show ESC (press the MENU key only if you want to leave this menu)
3. Press the DOWN key: t.LAv will appear on the display.
4. Press the MENU key to start the self-learning cycle for the work cycle times:

CAUTION: This procedure varies based on the number of gate panels and travel control devices installed. If there is no limit switch or encoder installed, only points 4.4 and 4.5 are performed. If there is only one motor (t.AP2 = 0), the procedure starts from point 4.3

- 4.1 Gate panel 1 is opened for a few seconds
- 4.2 Gate panel 2 is closed until one of the following conditions occurs: - it reaches the limit switch - The obstacle sensor or the encoder detect that the gate panel is jammed - A START command is given This position is memorized as the close point for gate panel 2.
- 4.3 Gate panel 1 is closed until one of the conditions listed in point 4.2 occur: this position is memorized as the close point for gate panel 1.
- 4.4 Each gate panel is opened. The operation ends when once of the conditions indicated in point 4.2 occur (the first START stops gate panel 1, the second START stops gate panel 2). The time required is memorized as the open time.
- 4.5 Each gate panel is closed. The operation ends when one of the conditions indicated in point 4.2 occurs or when the closed position is reached. The time required is memorized as the close time.
5. The display shows the value recommended for the obstacle sensor of motor 1. If no operations are performed for 20 seconds, the controller exits the programming phase without saving the recommended value.
6. The recommended value can be changed using the UP and DOWN keys. Press the MENU key to confirm the value displayed and the display will show SEN1
7. Press the DOWN key: The display will show SEN2. Press the MENU key to display the recommended value for the obstacle sensor for motor 2, which can be changed in a similar manner as that for SEN1.
8. Hold down the DOWN key until the FinE appears on the display, then press the MENU key, select Si and press the MENU key to exit programming and save the values for the sensors.

CAUTION: If the controller exits programming due to time out (1 minute), the obstacle sensors return to the values that were set prior to performing self-learning (according to the default values, the sensors are disabled). The open/close times and the encoder positions are always saved



READING OF CYCLE COUNTER:

CITY2+ control unit counts the completed opening cycles of the gate and, if requested, it shows that service is required after a fixed number of cycles.

There are two counters available:

- A totalizing counter for completed opening cycles that cannot be zeroed (option "tot" of item "Cont")
- A downward counter for the number of cycles before the next request for service (option "SErv" of item "Cont"). This counter can be programmed according to the desired value.

The scheme hereafter shows how to read the totalizing counter, how to read the number of cycles before the next service is required as well as how to program the number of cycles before the next request for service (as for the example shown, the control unit completed no. 12451 cycles and there are no. 1300 cycles before the next service request.

Area 1 is the reading of the total number of completed cycles; through Up and Down keys, you can alternate the display of thousands or units.

Area 2 is the reading of the number of cycles before the next request for service: its value is rounded down to the hundreds.

Area 3 is the setup of this latter counter; if you press once UP or DOWN key, the current counter value will be rounded up or down to thousands, any following pressure will have the setup be increased or decreased of 1000 units. The previous displayed count will get lost.

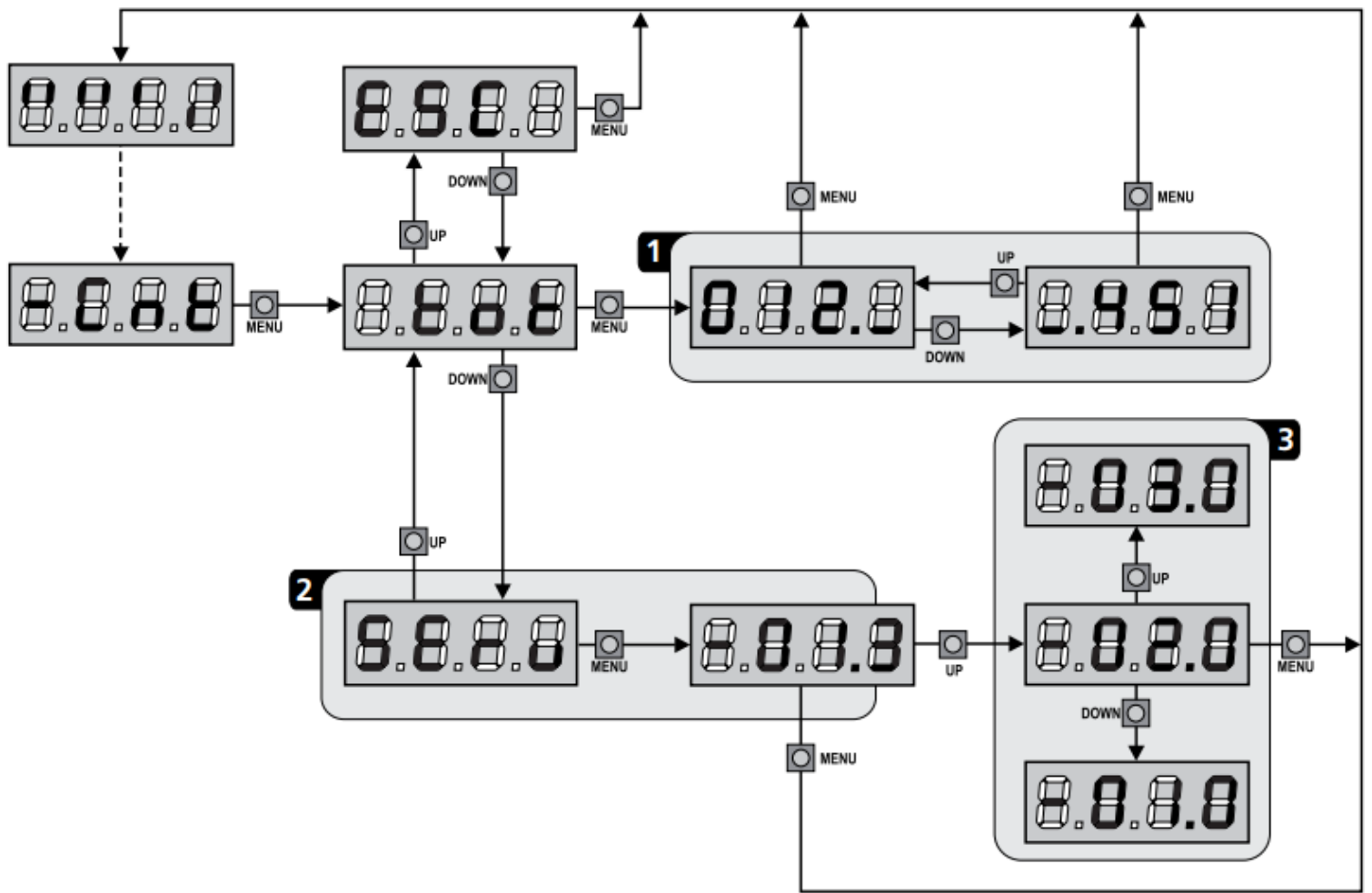
SIGNAL OF SERVICE REQUIRED:

As soon as the counter of cycles before the next request for service is zero, the control unit shows the request for service through an additional 5-second pre-blinking.

This signal will be repeated at each opening cycle, until the installer enters into the counter reading and setup menu, and possibly programs the number of cycles after which the next service will be requested.

In case no new value is setup (that is to say that the counter value is left at zero), the signalling function for the service request will be disabled and no signal will be repeated anymore

WARNING: service operations shall be carried out by qualified staff only



CONTROL UNIT CONFIGURATION:

Control unit time and function programming is made within a special configuration menu, to which you can access and where you can shift through DOWN, MENU and UP keys placed under the display. Hold down the MENU key until -PrG appears on display, to activate the programming mode while display views the panel. The configuration menu consists in a list of configurable items; the display shows the selected item.

- By pressing DOWN, you will pass to the next item
- By pressing UP, you will return to the previous item
- By pressing MENU, you can view the current value of selected item and possibly change it.

The last menu item (FinE) allows storing the carried out changes and going back to the control unit normal operation. You must exit from programming mode through this menu item if you do not want to lose your configuration.

WARNING: in case no operation is carried out for more than one minute, the control unit exits from the programming mode without saving any of your setups and changes, which will get lost.

NOTE: By holding down the UP or DOWN keys, configuration menu items will scroll fast, until item FinE is viewed. In this way, you can quickly reach either the top or bottom of the list