



DUT230V

Instruction manual



CONTROL UNIT FOR SWING AND SLIDING GATES 230

Important warnings

Domotime Srl reserves the right to make technical changes to the product without prior notice; furthermore, it declines all responsibility for damage to persons or property due to improper use or incorrect installation of the control unit for swing and sliding gates DUT230V.

This instruction manual is intended exclusively for qualified technical personnel in the field of automation installations.

None of the information contained in this manual is intended for the end user.

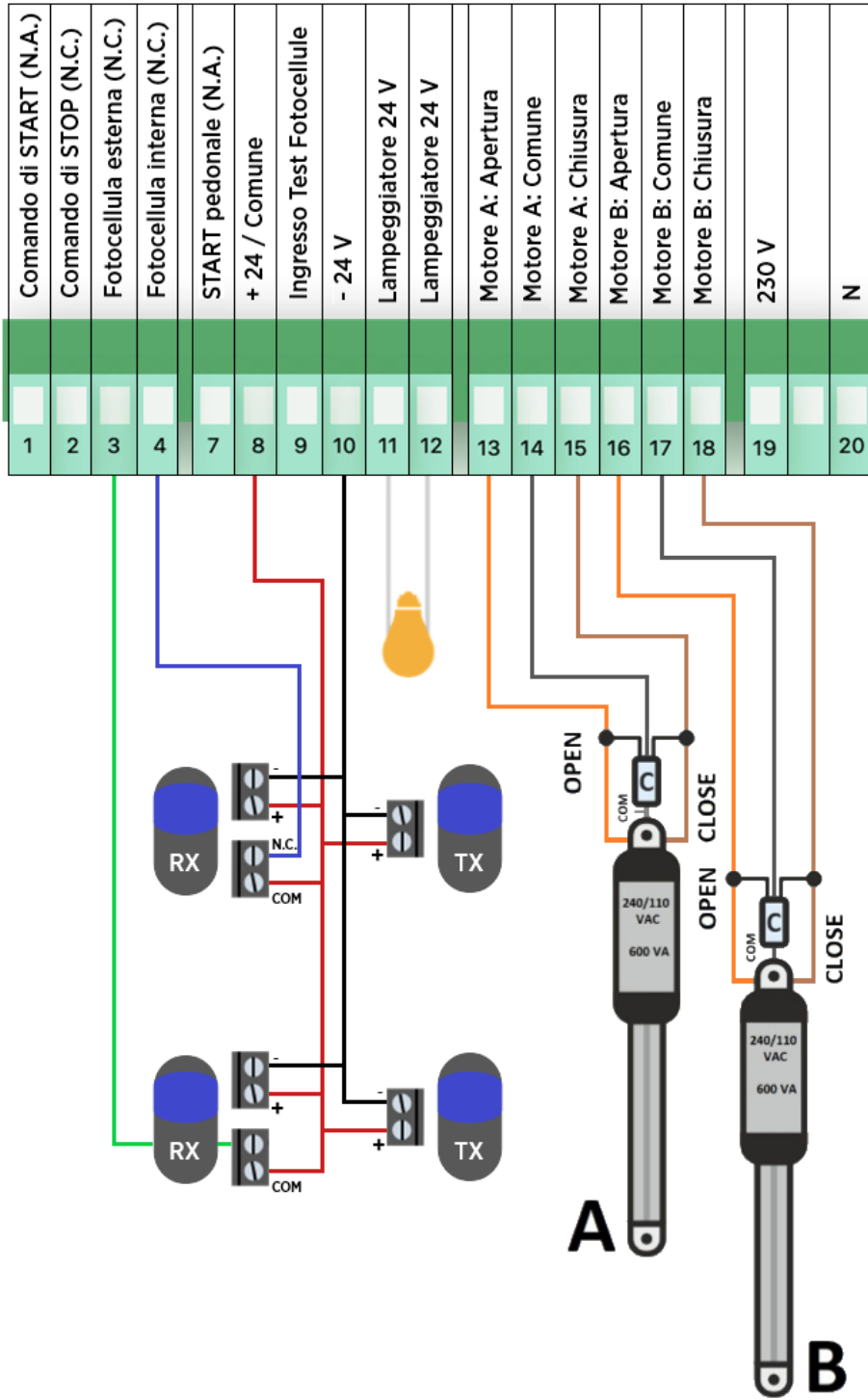
The factory data reset operation will bring the settings to the default data but will not delete the previously paired remotes.

Make sure that the safety devices are correctly connected before starting the automation.

For technical clarifications or installation problems, Domotime Srl has a customer assistance service, which answers the telephone number 030 9913901.



TYPICAL CONNECTION DIAGRAM





Summary

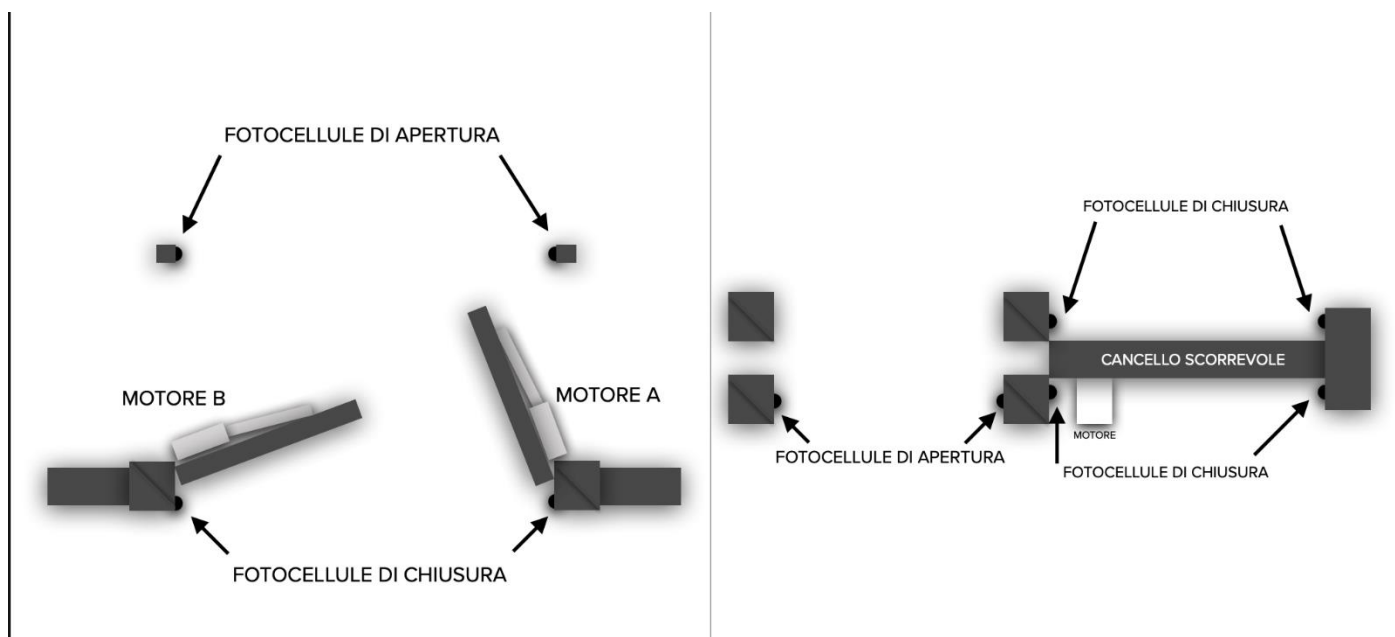
TYPICAL CONNECTION DIAGRAM	2
TYPICAL INSTALLATION	5
Sequential setting of times for one engine	5
Sequential timing setting for two engines	5
Automatic setting of the obstacle sensor	6
COMPONENTS OF THE BOARD	6
PROGRAMMING THE BOARD	7
ENGINE A	8
Normal time	8
Slowing down time	8
Startup time	8
Waiting time before closing	8
Normal strength	8
Force slowdown	8
Normal obstacle threshold	8
Slowdown obstacle threshold	9
Engine brake	9
Final release in closing	9
ENGINE B	9
Normal time	9
Slowing down time	9
Startup time	9
Waiting time before closing	10
Normal strength	10
Force slowdown	10
Normal obstacle threshold	10
Slowdown obstacle threshold	10
TEST	10
Photocell test	10
Slowing down time	11
RESTORATION	11



Initial configuration.....	11
FUNCTIONS	11
Automatic closing time	11
Pedestrian time	11
Closing shot	11
Pre-flashing time	11
Water hammer	11
Opening command logic	12
Fast closing time.....	12
Logic of the photocells	12
Electro-lock	12
Cold winter	12
1 motor mode	12
Hold-to-run reset operation.....	13
Periodic assistance programming	13
Work cycle counter	13
Flasher mode.....	13
REMOTE CONTROLS.....	13
Delete a remote control.....	13
Save a START remote control.....	13
Save a STOP remote control	13
Save a PEDESTRIAN START remote control.....	13
Save a QUICK CLOSE remote control	14
Delete all remote controls	14
Programmable radio functions	14
INPUTS FUNCTIONS.....	15
VALUES OF THE INPUTS	17
VALUES OF THE DISPLAY	18
DEFAULT VALUES	20
DECLARATION OF CONFORMITY.....	24



TYPICAL INSTALLATION



Attention: here is a typical installation of a swing gate (left), and a sliding gate (right).

The control unit can be easily programmed through a simple procedure, which is described below.

Display	Function
P. 1	<p>Sequential setting of times for one engine</p> <p>Through this procedure it is possible to set the gate working times sequentially.</p> <p>A test opening will be initiated, starting from a normal START command. After having pressed any START command for the first time, the gate starts in mode at 1 (normal opening). Once the correct opening has been reached, press a START command again to enter mode a 2 (opening in slowdown). The pause time then starts and continues until a new START command is given. Once the procedure is completed, the gate should open correctly.</p>
P. 2	<p>Sequential timing setting for two engines</p> <p>Through this procedure it is possible to set the gate working times sequentially.</p> <p>A test opening will be initiated, starting from a normal START command. After having pressed any START command for the first time, the</p>



		<p>gate starts in mode at 1 (normal opening) .Once the correct opening has been reached, press a START command again to enter mode a 2 (opening in slowdown) Once complete opening has been completed, press a START command to end Motor B will be activated in mode B 1 (normal opening). correct opening, press a START command again to enter mode B 2 (opening in slowdown). The pause time then starts and continues until a new START command is given.</p> <p>Once the procedure is complete, the gate should open correctly.</p>
P. 5		<p>Automatic setting of the obstacle sensor</p> <p>Through this automatic procedure it is possible to calibrate the obstacle sensor of both motors.</p> <p>Parameters A7, A8, B7, b8 will then be automatically detected.</p> <p>The procedure must be started when the gate is completely closed. To start, give any START command.</p> <p>Once the whole procedure has been completed, if the calibration was not successful, 9P will appear.</p> <p>At the end it is however possible to manually modify the parameters.</p>

A typical installation needs no other modifications. However, it is possible to manually modify each parameter listed below to adapt the operation to the needs of the system.

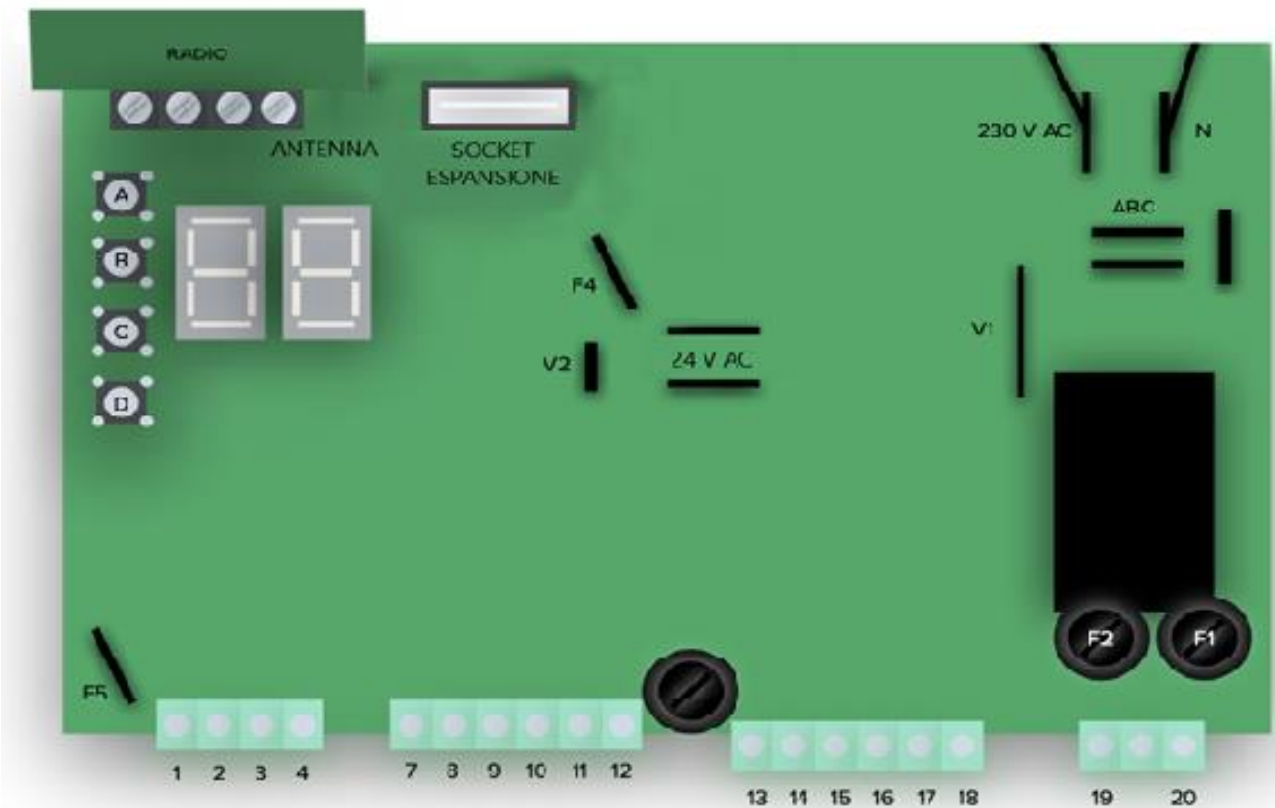
COMPONENTS OF THE BOARD

Below is a diagram with the components of the board and their functions.

Theme song	Function
TO	A key: Press to scroll to the next setting.
B.	Button B: Press to scroll to the previous setting.
C.	C key: Press to change the value of a setting (+1).
D.	Button D: Press to change the value of a setting (-1).
F 1	230 V AC - 5 A fuse. Not resettable.



F 2	Motor B fuse 230 V AC - 2 A. Not resettable
F 3	Motor fuse A 230 V AC - 2 A. Not resettable.
F 4	24 V - 1.6 A fuse. Resettable.
F 5	24 V - 0.6 A fuse. Resettable.
ABC	Ground terminal.
SOCKET	12 V electric lock.
SOCKET	Peripheral expansion.
V 1	Primary varistor (VDR).
V 2	Secondary varistor (VDR).



PROGRAMMING THE BOARD

Programming from the card is carried out by following the instructions on the display, and navigating using the 4 buttons present (A, B, C, D).

The control unit works with both one and two leaves, it is universally compatible with any motor and accessories. By means of special commands it is possible to check the presence of obstacles, set the operating logic, add or remove remote controls, and much more.

Below are the tables with the various settings and their meaning. Any changes made directly to the control unit will still be visible even with programming via the App in the future.



ENGINE A

The values in the following table correspond to the various settings that regulate the operation of motor A. In most cases, no modification is required after the installation procedure described above.

Display		Function
T O	1	<p>Normal time</p> <p>Motor A opens earlier than motor B and works for A1 seconds. After this time a slowdown phase begins which lasts A2 seconds.</p> <p>This happens both in opening and closing.</p>
	2	<p>Slowing down time</p> <p>Motor A, once the opening time has elapsed, slows down for A2 seconds. To disable slowdown, set this value to 00.</p> <p>This happens both in opening and closing.</p>
T O	3	<p>Startup time</p> <p>The starting time of motor A is the part of Normal Time in which the motor accelerates until the maximum torque is reached.</p> <p>The obstacle sensor is disabled during this phase.</p>
	4	<p>Waiting time before closing</p> <p>In order to avoid overlapping the doors when closing, motor A will wait A4 seconds before closing after motor B has started to close.</p>
T O	5	<p>Normal strength</p> <p>It is the force with which the motor A works during the normal Time. The greater the force with which the gate moves, the less sensitivity to obstacles will be.</p> <p>It is advisable to first set the desired force, and set parameter A7 only afterwards.</p>
	6	<p>Force slowdown</p> <p>It is the force with which the motor A works during the slowing down Time. The greater the force with which the gate moves, the less sensitivity to obstacles will be.</p> <p>It is advisable to first set the force necessary for the automation, and set parameter A8 only afterwards.</p>
T O	7	<p>Normal obstacle threshold</p> <p>During time A1 the control unit detects an obstacle if the motor effort is greater than the normal obstacle threshold set.</p> <p>When an obstacle is detected, the control unit:</p>
		<p>It will reverse motion for two seconds if an obstacle has never been detected during the work cycle</p> <p>It will end the motor run if during the work cycle an obstacle had already been detected, or if the slowing down of the motor A2 is disabled.</p> <p>To facilitate calibration, the display shows the effort in the opening phase, by means of a number from 00 to 99.</p>



		To disable the obstacle sensor, set the parameter to NO
T O 8		<p>Slowdown obstacle threshold</p> <p>During time A2 the control unit detects an obstacle if the motor effort is greater than the set slowdown obstacle threshold.</p> <p>When an obstacle is detected, the control unit:</p> <p>It will reverse motion for two seconds if an obstacle has never been detected during the work cycle</p> <p>It will end the motor run if during the work cycle an obstacle had already been detected, or if the slowing down of the motor A2 is disabled.</p> <p>To facilitate calibration, the display shows effort in the opening phase in slowdown, by means of a number from 00 to 99.</p> <p>To disable the slowing obstacle sensor, set the parameter to NO</p>
T O 9		<p>Engine brake</p> <p>At the end of each maneuver, motor A brakes, limiting the inertia of the gate.</p> <p>This parameter is available only in sliding configuration (L3 = 01 / L3 = 02).</p>
T O T O T O		<p>Final release in closing</p> <p>Motor A performs an opening movement for 0.AA seconds. This only happens if the obstacle sensor has intervened.</p> <p>This parameter is available only in sliding configuration (L3 = 01 / L3 = 02).</p>

ENGINE B

The values in the following table correspond to the various settings that regulate the operation of motor B. In most cases, no changes are required after the initial configuration described above.

Display		Function
B . 1		<p>Normal time</p> <p>Motor B opens after motor A and works for B1 seconds. After this time a slowdown phase begins which lasts B2 seconds.</p> <p>This happens both in opening and closing.</p>
B . 2		<p>Slowing down time</p> <p>Motor B, once the opening time has elapsed, slows down for B2 seconds. To disable slowdown, set this value to 00.</p> <p>This happens both in opening and closing.</p>
B . 3		<p>Startup time</p> <p>The starting time of motor B is the part of Normal Time in which the motor accelerates until the maximum torque is reached.</p> <p>The obstacle sensor is disabled during this phase.</p>



B .	4	<p>Waiting time before closing</p> <p>In order to avoid the overlapping of the leaves during opening, motor B will wait for B4 seconds before opening after motor A will start to do so.</p>
B .	5	<p>Normal strength</p> <p>It is the force with which the motor B works during the normal Time. The greater the force with which the gate moves, the less sensitivity to obstacles will be.</p> <p>It is advisable to first set the desired force, and set parameter B7 only afterwards.</p>
B .	6	<p>Force slowdown</p> <p>It is the force with which motor B works during the slowing down Time. The greater the force with which the gate moves, the less sensitivity to obstacles will be.</p> <p>It is advisable to first set the desired force, and set parameter B8 only afterwards.</p>
B .	7	<p>Normal obstacle threshold</p> <p>During time B1 the control unit detects an obstacle if the motor effort is greater than the normal obstacle threshold set.</p> <p>When an obstacle is detected, the control unit:</p> <p>It will reverse motion for two seconds if an obstacle has never been detected during the work cycle</p> <p>It will end the motor run if during the work cycle an obstacle had already been detected, or if the slowing down of the motor b2 is disabled.</p> <p>To facilitate calibration, the display shows the effort in the closing phase, by means of a number from 00 to 99.</p> <p>To disable the obstacle sensor, set the parameter to NO</p>
B .	8	<p>Slowdown obstacle threshold</p> <p>During time b2 the control unit detects an obstacle if the motor effort is greater than the set slowdown obstacle threshold.</p> <p>When an obstacle is detected, the control unit:</p> <p>It will reverse motion for two seconds if an obstacle has never been detected during the work cycle</p> <p>It will end the motor run if during the work cycle an obstacle had already been detected, or if the slowing down of motor B2 is disabled.</p> <p>To facilitate calibration, the display shows the effort during the closing phase in slowdown, by means of a number from 00 to 99.</p> <p>To disable the slowing obstacle sensor, set the parameter to NO</p>

TEST

Display		Function
T.	1	<p>Photocell test</p> <p>If enabled, the control unit checks for the presence of the photocells before each maneuver. If no errors are determined, the engines can be started. Otherwise, the display shows an error, which is sent as a notification on the paired telephone of</p>



		the installer (FUNCTION AVAILABLE IN THE FUTURE WITH ADDITIONAL MODULE).
T.	2	<p>Slowing down time Motor B, once the opening time has elapsed, slows down for b2 seconds. To disable slowdown, set this value to 00. This happens both in opening and closing.</p>

RESTORATION

Restore all factory settings. SAVED REMOTE CONTROLS WILL NOT BE ERASED.

Display		Function
D .	0	<p>Initial configuration To restore the initial configuration, hold down key C. The message on the display will initially flash a no. When it changes to -- the control unit has been reset to the factory settings. This operation DOES NOT DELETE SAVED REMOTE CONTROLS.</p>

FUNCTIONS

Display		Function
F.	0	<p>Automatic closing time After opening, the control unit pauses for F0 seconds. After that it starts the closing phase. By setting F0 to ST, the control unit at the end of the opening puts the gate in the stop state during opening, and will close only after a new command.</p>
F.	1	<p>Pedestrian time In a pedestrian work cycle, only the leaf of motor A is activated for F1 seconds. In case of subsequent maneuvers, a standard work cycle will be started.</p>
F.	2	<p>Closing shot When the gate is closing and the deceleration is over, a closing impulse is executed by motor A. This impulse lasts F2 seconds. During this time the effort sensor is disabled.</p>
F.	3	<p>Pre-flashing time Before opening or closing the gate, the flashing light signals the start phase by lighting up intermittently for F3 seconds. The flashing speed depends on the work phase: - 0.3 seconds ON and 0.2 seconds OFF during opening - 0.6 seconds ON and 0.3 seconds OFF in closing phase.</p>
F.	4	<p>Water hammer Before opening motor A it closes for 0.5 seconds, disabling the obstacle sensor and setting the motor effort to maximum. This function is useful if the system includes an electric lock and opening is difficult.</p>



F.	5	<p>Opening command logic</p> <p>When the control unit receives an opening command, it can act in various ways</p> <table border="1"> <thead> <tr> <th>STANDARD</th> <th>CONDOMINIUM</th> <th>STEP BY STEP</th> </tr> </thead> <tbody> <tr> <td> <p>F5 = 1</p> <p>Opening: the start commands block the opening. Closure: the start commands block the closing and start the opening</p> </td> <td> <p>F5 = 2</p> <p>Opening: the start commands have no effect. Closure: the start commands block the closing and start the opening.</p> </td> <td> <p>F5 = 3</p> <p>Opening: the start commands block the opening. Closure: the start commands block the closing.</p> </td> </tr> </tbody> </table>	STANDARD	CONDOMINIUM	STEP BY STEP	<p>F5 = 1</p> <p>Opening: the start commands block the opening. Closure: the start commands block the closing and start the opening</p>	<p>F5 = 2</p> <p>Opening: the start commands have no effect. Closure: the start commands block the closing and start the opening.</p>	<p>F5 = 3</p> <p>Opening: the start commands block the opening. Closure: the start commands block the closing.</p>
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<p>Fast closing time</p> <p>The quick closing function allows you to close the gate once you have passed in front of the system photocells.</p> <p>It is possible to set a waiting time from when this happens, from 1.0 - 5.0 seconds</p>								
F.	8	<p>Logic of the photocells</p> <p>Y: Hinged logic</p> <p>During opening: As long as the internal photocells are activated, the control unit suspends opening. When they are deactivated, the opening resumes. The activation of the external photocells has no effect.</p> <p>During closing: If the external photocells are activated, the control unit blocks the closing and starts the opening. If the internal photocells are activated, the closing is blocked. Once the internal photocells are deactivated, the control unit starts opening.</p>						
		<p>No.: Sliding logic</p> <p>During opening: If the internal photocells are activated, the control unit blocks the opening and starts closing. The door locks after 3 seconds. A new START command is able to restart closing.</p> <p>The activation of the external photocells has no effect.</p> <p>During closing: If the external photocells are activated the control unit blocks the closing and starts the opening. The activation of the internal photocells has no effect.</p>						
L	0	<p>Electro-lock</p> <p>If activated, it releases the electric lock at each opening. Requires the expansion module for electric locks.</p>						
L	1	<p>Cold winter</p> <p>With this function it is possible to periodically heat the motors and the control unit. Especially suitable for hydraulic motors, where it is useful to circulate the oil periodically.</p> <p>Each cycle lasts 10 minutes. l1 represents the number of minutes of this cycle in which the automation heats up.</p>						
L	3	<p>1 motor mode</p> <p>If enabled, only motor A will be active. All parameters relating to motor B will not be accessible. Suitable for single motor installations.</p>						



L	4	<p>Hold-to-run reset operation</p> <p>In case of failure of one of the safety devices, it allows the gate to be opened or closed using a normally open start device.</p> <p>This device can be plugged into input E1 (terminals 1 and 8) or E7 (terminals 7 and 8).</p> <p>See the INPUTS section for the correct value to set on the corresponding parameter.</p>
L	5	<p>Periodic assistance programming</p> <p>If enabled, the blinker switches on for one minute every 15 work cycles. It is useful for the scheduled maintenance of the system</p> <p>0.1 - 0.9: from 1 to 9 work cycles 1.1 - 1.9: from 10 to 90 work cycles 2.1 - 2.9: from 100 to 900 work cycles 3.1 - 3.9: from 1000 to 9000 work cycles 4.1 - 4.9: from 10000 to 90000 work cycles 5.1 - 5.9: from 100000 to 900000 work cycles</p>
L	6	<p>Work cycle counter</p> <p>The work cycles counter parameter cannot be modified or deleted, and represents the number of work cycles completed by the automation. Once selected, all the counter digits are presented in sequence in the format POSITION, VALUE.</p> <p>EXAMPLE If a gate has performed 6258 maneuvers, the display will show in sequence: - 3, 6- 2, 2- 1, 5- 0, 8 We can thus calculate the total number of work cycles as: $TOTAL = (6 * 10^3) + (2 * 10^2) + (5 * 10^1) + 8 = 6258$</p>
L	7	<p>Flasher mode Two operating modes can be set: FIXED I7 = 01 STANDARD I7 = 02</p>

REMOTE CONTROLS

Display		Function
R .	0	<p>Delete a remote control</p> <p>After one second, the control unit displays the remote control IDs in succession. To delete a specific ID hold down the C key until the display turns off.</p>
R .	1	<p>Save a START remote control</p> <p>Once the display changes from R 1 to - - press and hold the button on the remote control you want to add, the display will then show - -. Press C to save the remote control (while still holding down the remote control button). The remote control ID you just saved will then be shown for a few seconds.</p>
R .	2	<p>Save a STOP remote control</p> <p>Once the display changes from R 2 to - - press and hold the button on the remote control you want to add, the display will then show - -. Press C to save the remote control (while still holding down the remote control button). The remote control ID you just saved will then be shown for a few seconds.</p>
R .	3	<p>Save a PEDESTRIAN START remote control</p> <p>Once the display changes from R 3 to - - press and hold the button on the remote control you want to add, the display will then show - -. Press C to save the remote control (while still holding down the remote control button). The remote control ID you just saved will then be shown for a few seconds.</p>



R .	4	<p>Save a QUICK CLOSE remote control</p> <p>Once the display changes from R 4 to - - press and hold the button on the remote control you want to add, the display will then show - . -. Press C to save the remote control (while still holding down the remote control button). The remote control ID you just saved will then be shown for a few seconds.</p>
R .	5	<p>Delete all remote controls</p> <p>To cancel all the remote controls, when the display shows no, keep the C key pressed until YES appears.</p>
R .	6 7 8	<p>Programmable radio functions</p> <p>Each of these parameters represents a specific function for a single remote control.</p> <p>To enter pairing mode, choose one of these three parameters and hold down the D key.</p> <p>Release when the display stops flashing.</p> <p>Now choose the desired function, using the keys C and D.</p> <p>The available functions are:</p> <p>RT: Radio test allows you to check the best position in which to install the antenna. The blinker stays on until the remote control is detected.</p> <p>EL: Electro-lock allows to activate the electric-lock separately by means of the remote control button.</p> <p>oP: Open always starts a gate opening.</p> <p>Cl: Close always initiates a close.</p> <p>Po / PC: Open / Close with dead man. The action in progress continues only as long as the associated key is held down.</p> <p>Once the display changes to - - press and hold the button on the remote you want to add.</p> <p>The display will then show - . -. Press C to save the remote control (while still holding down the remote control button).</p> <p>The remote control ID you just saved will then be shown for a few seconds.</p>



INPUTS FUNCTIONS

A default function is associated with each input, which can be modified if necessary. The following table shows the values they can assume, and their corresponding operating logic.

Display		Function	
N	O	Disabled The inputs e2 and 3 and 4 have a SELF-ENABLING function: if the input is disabled and a normally closed contact is connected to the relative input on the terminal board, the control unit will set its value as a safety accessory ST.	
O.	R		
S.	T.	Stop The stop function stops the gate	NC Safety
T.	C.	Logic external photocell 1 During closing: activation of the external photocells stops closing and starts opening During opening: activation of the external photocells has no effect. The gate cannot start opening if the external photocell detects an obstacle.	NC Safety
T.	D.	Logic external photocell 2 During closing: activation of the external photocells stops closing and starts opening During opening: activation of the external photocells has no effect. The gate can start opening if the external photocell detects an obstacle.	NC Safety
T.	T.	Internal photocell During closing: activation of the internal photocells stops closing and starts opening once they are released During opening: activation of the internal photocells blocks opening as long as they are active.	NC Safety
G.	O.	Start Start a standard work cycle.	NA
.	R		
P.	A	Pedestrian The pedestrian function opens the leaf of motor A for f 1	NA



	N D	seconds. In the event of subsequent maneuvers, a standard work cycle is started.	
O R	P.	Opening Start an opening cycle.	NA
C.	L	Closure Start a closing cycle. It does not work if the control unit is in stand by	NA
P.	O R	Dead man opening Starts an opening cycle even if the safety devices are activated. The command takes place only as long as the command is renewed.	NA
P.	C.	Dead man closing Starts a closing cycle even if the safety devices are inoperative. The command takes place only as long as the command is renewed.	NA
L	T O	Limit switch motor A (opening) Allows you to manage the opening limit switches of motor A. These devices must be connected to the same terminal.	NA
L	C.	Limit switch motor A (closing) Allows you to manage the closing limit switches of motor A. These devices must be connected to the same terminal.	NA
H .	T O	Limit switch motor B (opening) Allows you to manage the opening limit switches of motor B. These devices must be connected to the same terminal.	NA
H .	C.	Limit switch motor B (closing) Used to manage the closing limit switches of motor B. These devices must be connected to the same terminal.	NA
T O		Motor limit switch A Allows you to manage the opening and closing limit switches of motor A. These devices must be connected to the same terminal.	NA



	B.	Motor limit switch B Allows you to manage the opening and closing limit switches of motor B. These devices must be connected to the same terminal.	NA
A N D	L	Electro-lock The electric lock function allows you to activate the electric lock of a normally open input connected to the terminal board. It can be useful for managing an electric lock of a pedestrian gate adjacent to the automated gate.	NA
A N D	O R	Empty function inputs The empty function for inputs is useful for activating an output without modifying or acting on the gate status.	

VALUES OF THE INPUTS

The following table shows the values that each input can assume. Not all inputs can act alike. The “D” means that by default the set value is the corresponding one. The "x" indicates that it is a value applicable to the respective input.

Theme song	Meaning	E1	E2	E3	E4	E5	E6	E7
NO	Disabled	X	X	X	X	X	X	X
ST	Stop button	X	X	X	X	X	X	X
TC	Logic external photocell 1			X	X			
TD	Logic external photocell 2			X	X			
TA	Internal photocell				X			
GO	Start button	D.	X			X	X	X
PE	Button that activates the pedestrian start	X	X			X	X	X
OP	Button that operates only the opening	X	X			X	X	X
CL	Button that operates the closure only	X	X			X	X	X
BIT	Button that activates the dead-man opening	X	X			X	X	X
PC	Button that activates dead-man closing	X	X			X	X	X



THER E	Motor A limit switch, interrupts the power supply to the motor during opening - (Leaf open)	X	X			X	X	X
LC	Motor A limit switch, interrupts the power supply to the closing motor - (Leaf closed)	X	X			X	X	X
HAS	Motor B limit switch, interrupts the power supply to the motor during opening - (Leaf open)	X	X			X	X	X
HC	Motor B limit switch, interrupts the power supply to the closing motor - (Leaf closed)	X	X			X	X	X
TO	Motor A limit switch that cuts power to motor A	X	X			X	X	X
B.	Motor B limit switch that cuts power to motor B	X	X			X	X	X
EL	Electro-lock		X			X	X	X
EO	Empty function inputs	X	X			X	X	X

VALUES OF THE DISPLAY

Meanings of the indications that may appear on the display when it is not in programming mode:

Display		Function
-	-	STAND BY The control panel is waiting for commands. After any programming with the control unit keys, it takes about 30 seconds to return to this mode.
-.	-	Remote control signal The control panel detects a remote control in transmission. If the remote control has not been associated, or is temporarily disabled via the access control function, the command will be ignored.
0	T.	Faulty control unit The control panel needs to be replaced.
00	99	Motor effort During opening, a number is shown on the display indicating the effort made by the motor. It is useful for precisely calibrating the obstacle threshold parameters.
9	T	Motor error A The control unit has found an error with the connection of motor A. It could be due to a wrong connection, to the motor in thermal protection, or to the blown protection fuse.



	O	
9	B.	Motor error B The control unit has found an error with the connection of motor B. It could be due to a wrong connection, to the motor in thermal protection, or to the blown protection fuse.
7	T O	Motor obstacle A The control unit detects an obstacle in the stroke of motor A. The gate stops or reverses its movement. If there is no obstacle, it is possible that the value of a7 - a8 must be raised.
7	B.	Motor obstacle B The control unit detects an obstacle in the stroke of motor B. The gate stops or reverses its movement. If there is no obstacle, it is possible that the value of b7 - b8 must be raised.
T O		Motor limit switch A Limit switch input of motor A activated (e2, terminal 2, 8).
	B.	Motor limit switch B Limit switch input of motor B activated (e4, terminal 4, 8).
C.	L	Close signal A CLOSING ONLY command has been activated from an input, or the remote control saved in R 6 - r 7 - r 8 with function cl has been activated.
F.	F.	Remote control memory full The remote control cannot be memorized as it exceeds the maximum capacity of the control unit (99 remote controls).
F.	G.	QUICK CLOSING command. A QUICK CLOSE command has been initiated from an input, or a remote control saved in R4 is in transmission. A quick opening will start.
F.	H.	Internal and external photocell input activated The inputs of the internal and external photocell are both activated.
G.	O R	START command. A START command has been initiated from an input, or a remote control saved in R 1 is in transmission. An opening will be initiated.
th e	T.	Photocell test error Photocell test before opening failed. To disable this check, modify the parameter T 1.
O	P.	Opening signal An OPEN ONLY command has been activated from an input, or the remote control saved in R 6 - r 7 - r 8 with the op function has been activated.



R		
P.	C.	<p>Dead man closing signal</p> <p>A CLOSING ONLY command has been activated from an input, or the remote control saved in R 6 - r 7 - r 8 with pc function has been activated.</p> <p>Closing continues only as long as the signal is maintained. For example, with a remote control, closing continues as long as the button is pressed.</p>
P.	A N D	<p>PEDESTRIAN START command</p> <p>A PEDESTRIAN START command has been activated from an input, or a remote control saved in R3 is in transmission.</p> <p>A pedestrian opening will be initiated.</p>
P.	O R	<p>Open man present signal</p> <p>An OPEN ONLY command has been activated from an input, or the remote control saved in R 6 - r 7 - r 8 with function po has been activated</p> <p>Opening continues only as long as the signal is maintained. For example, with a remote control, opening continues as long as the button is pressed.</p>
S.	L	<p>Request for scheduled assistance</p> <p>The control unit has carried out 5 work cycles. The flashing light activates for 1 minute every 20. Useful for automatic signaling of periodic assistance.</p>
S.	T.	<p>STOP command</p> <p>A STOP input is activated, or a remote control with STOP function is transmitting.</p> <p>The gate stops, and according to logic F5 it will respond to subsequent commands.</p>
T.	T O	<p>Internal photocell input activated</p> <p>Input of an internal logic photocell open Valid for input e4 (terminals 4 - 8).</p>
T.	C.	<p>External photocell input activated</p> <p>Input of an external logic photocell open Valid for input E3 (terminals 3 - 8).</p>
T.	D.	<p>External photocell input activated</p> <p>Input of an external logic photocell open Valid for input e4 (terminals 4 - 8).</p>

DEFAULT VALUES

This table represents the default values for

Display		Meaning	D0	D1	D3
TO	1	Normal time	14	30	30
TO	2	Slowing down time	7.0	15	0.0



This table represents the default values for motor B operation. In case of reset, the settings will be reset to the following values.

TO	3	Startup time	0.8	0.1	0.1
TO	4	Waiting time before closing	6		
TO	5	Normal strength	08	06	08
TO	6	Force slowdown	10	08	10
TO	7	Normal obstacle threshold	No.	No.	No.
TO	8	Slowdown obstacle threshold	No.	No.	No.
TO	9	Engine brake		12	No.
TO	T 0	Final release in closing	No.		
B.	1	Normal time	14		
B.	2	Slowing down time	7		
B.	3	Startup time	0.8		
B.	4	Waiting time before closing	3		
B.	5	Normal strength	08		
B.	6	Force slowdown	10		
B.	7	Normal obstacle threshold	No.		
B.	8	Slowdown obstacle threshold	No.		

This table represents the default values for the control panel operating logic. In case of reset, the settings will be reset to the following values.

Display	Meaning	D0	D1	D3
---------	---------	----	----	----



L	1	Cold winter	0	0	0
L	3	1 motor mode	0	1	1
L	4	Hold-to-run reset operation	No.	No.	No.
L	5	Periodic assistance programming	No.	No.	No.
L	7	Flasher mode	01	01	01
F.	0	Automatic closing time	10	10	30
F.	1	Pedestrian time	7	7	30
F.	2	Closing shot	0.0	0.0	0.0
F.	3	Pre - flashing time	1.0	1.0	1.0
F.	4	Water hammer	No.	No.	No.
F.	5	Work logic	1	1	1
F.	7	Fast closing time	5.0	5.0	5.0
F.	8	Photocell logic	Y	No.	No.
T.	1	Photocell test	No.	No.	No.
T.	2	Motors Test	Y	Y	Y

This table represents the default values for the operating logic of the inputs of the control panel. In case of reset, the settings will be reset to the following values.

Display	Meaning	D0	D1	D3
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A N D	0	E0 input function	the	the	the
A N D	1	E1 input function	GO	GO	GO
A N D	2	E2 input function	No.	No.	No.
A N D	3	E3 input function	No.	No.	No.
A N D	4	E4 input function	No.	No.	No.
A N D	5	Input function E5	No.	No.	No.
A N	6	Input function E6	No.	No.	No.



D					
A					
N	7	Input function E7	Pe	Pe	No.
D					

DOMOTIME s.r.l.
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 C.f./P.I. n. Iscr. R.I. BS 0203494086
Antonio C.M.

DECLARATION OF CONFORMITY

Domotime srl
Via Monico 9
25017 Lonato del Garda (BS) - ITALY

DECLARE that the equipment described below:

Description:
 Gate Universal Control Unit


Model:
 DUT230V

Complies with the legislative regulations as in the following directives:

- EN 55022: 2010 + AC: 2011
- EN 55024: 2010 + A1: 2015

This statement is issued under the sole responsibility of the manufacturer and, if applicable, of his authorized representative.

Lonato, 19/02/2018



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