VDS

ELETTRONIC DIVISION

INSTRUCTION MANUAL

EURO24PR

Electronic control panel for one 24Vdc motor

CE

WARNING!! Before installing, thoroughly read this manual that is an integral part of this Kit.
VDS declines any responsa-bilità in the event curret stadards in the country of installation are not comlplied with.

Instruction Manual
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OPTIONS SELECTOR

OPTION 1 - Sectional / Sliding Gate
ON Sectional.
OFF Sliding.

OPTION 2 - Automatic Closing
ON Door closes automatically after waiting the a.c. time.
OFF Door does not close automatically.

OPTION 3 - Door Stop & Inverts and Disable Stop Opening
ON Alternative button stops and invert at close. Disable stop opening.
OFF Alternative button stops.

OPTION 4 - Drive Direction
ON Invert drive direction.
OFF Normal drive direction.

OPTION 5 - Pneumatic Band with Stop Options
ON Input Cseg1 works like security band, stopping opening and closing.
OFF Input Cseg1 works like security band, stopping the closing and stop & inverts 2 sec. in the opening.

OPTION 6 - Flashing Light
ON Flashing
OFF Fixed

OPTION 7 - Buffer Closing
ON Drive reduce it's speed at the end of opening & closing.
OFF No buffer.

OPTION 8 - Enconder Yes/No
ON Enable encoder input.
OFF Disable encoder input.

CANCELLATION OF ALL CODES

- Here we have to reset the memory.
- Press PROG/RES for 3,5 seconds.
- After 1,5 seconds one acoustic signal will be heard indicating that you have entered the code memorization mode, maintain the button pressed.
- After 3,5 seconds you will hear a series of acoustic signals.
- Stop pressing the button.
- The receptor will have cancelled all codes.
- The System stays in memorization mode, ready to receive new codes (see system a)

FIRMWARE

OPERATING INSTRUCTIONS

The maneuvers are executed through the Alternative button (Test button on the motherboard, or Alternative switch terminals, or by radio card).
The maneuvers ends for one of the following conditions: activation of the corresponding end switchs orby the end of operating time.
If during the opening operation is given an order, the action is stoped and do not run the closing.
Stop button activation causes immediate stop of the maneuver, requiring an order for the resumption of it.
Activation os safety switch input during closing, inverts it and goes to open position.
Input battery alimentation.
Garage light is activated during 0.5 sec. before starting the opening operation and is turned off 2 sec. after it.
Courtesy light at the opening (if allowed) flashes slowly, and on closing flashes quickly. In open position courtesy light is ON.
Drive power regulation selected in R. FORCE, it will be applied after 2 sec. Of the maneuvre.

DIGITAL PROGRAMMING of open, close & automatic close.

In order to program functions the control panel should be in a stable state with the door closed.
Option number 3 must be turned OFF. If we want buffer closing I7 must be turned ON and if we have an encoder DIP switch number 8 must be turned ON too.
Push button PROG TIEMPOS for 1,5 secs. The red LED will light up indicating that the panel is ready for time programming. Now we can proceed. In order to stop programming press button PROG for 1,5 secs again with the door in 'resting' position; the process requires that a full opening and closing cycle is completed.
To program working times with pedestrian button press PROG button for 1-5s-Let and press the button for 1.5s and programming LED will turned ON. With pedestrian Button we will start the programming time function-
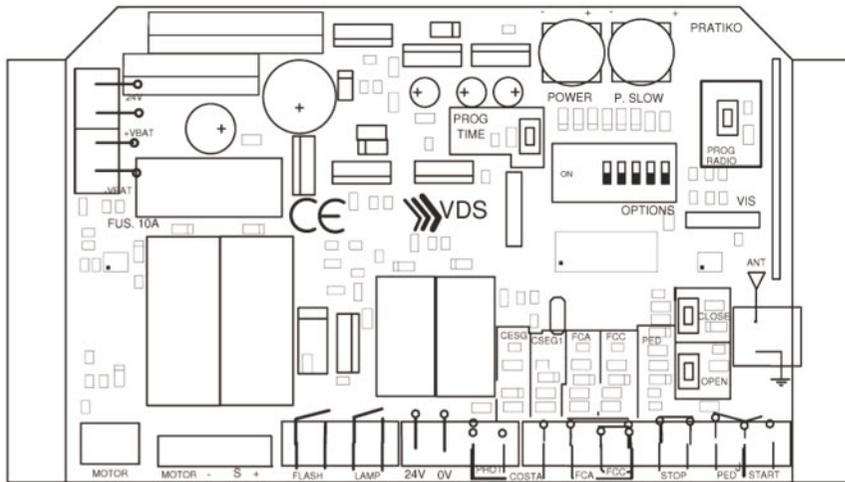
Programming times process
1) The door must be closed. Activate as described above. The red LED lights up.
2) Push "START" button to open the door.
Pushing "START" again will stop the door and will memorize the time of opening. If opening is finalized by limit switch open (LSO), the programme will memorise times + 4 sec.
3) Once the door is open, the closing time will be memorized automatically until the closing operation has begun.
4) Push"START" button to close the door.
    I7 OFF - Pushing "START" again will stop the door and memorize the closing time. If closing is finalized by limit switch (LSC), the programme will memorise times + 4 sec.
    I7 ON - Pushing "START" button again, drive reduce the speed (buffer closing), and pressing it again, the manoeuvre will stop and closing time, and buffer closing will be memorized. If the manouvre is finalized by limit switch open (LSO), the programme will memorise times + 4 sec.
5) Upon completing a full cycle of the door programming will be automatically finalized.

The maximum memorization time is 2 minutes, if you wait more, this limit will be memorized.

CODE MEMORITZATION

Manual memoritzation
- Press button PROG/RES for 1,5 sec.
- On hearing the acoustic signal stop pressing as the receptor will be logged onto the memorizing code sequence. - From this moment received codes will be memorized.
- In order to memorize push any button on the transmitter.
- The memorization of a code is confirmed with one acoustic signal.
- The receiver will exit automatic memorization code sequencing after 10 seconds from the last code input. This will be indicated with two acoustic signals. Emergency exist of the automatic memorization code sequencing can be done by pushing the special function button on one of the transmitters which is being coded (within 10 seconds). **Semiautomatic memorization**
- In order to activate this system must have memorized at least one code into the receiver.
- Push the special function button on one of the transmitters which have been codified.
- On hearing one acoustic signal or when PROG led will turned ON, stop pushing and the receiver will have entered into code memorization sequence. - From that moment.. follow the steps of manual memoritzation.
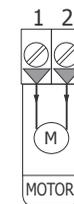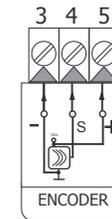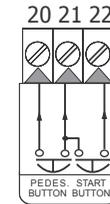
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STANDARD CONTROL PANEL SET UP

ALIMENTATION
23 24
24V

MOTOR
1 2
M
MOTOR
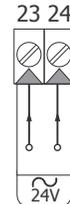
ENCODER
3 4 5
− S +
ENCODER

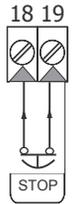**PUSH BUTTONS TERMINALS**
20 21 22
PED. E.S. START
BUTTON BUTTON

STOP
18 19
STOP

REGULATIONS

STRENGTH MOTOR REGULATION (GREEN)

Regulation the strength of motor.
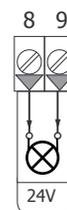Rotate LEFT to decrease and
rotate RIGHT to increase.

DRIVE POWER (RED)

Regulates drive power
Turn LEFT to decrease and
RIGHT to increase

TERMINAL DESCRIPTION

LIGHT
8 9
24V

FLASH
6 7
FLASH
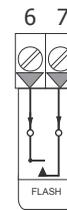
ACCESSORIES POWER SUPPLY
10 11
+ −
24V

SAFETY
12 13 14
SECURITY COSTA
& PHOTOCELL

LIMIT SWITCH
15 16 17
LSO - OPEN
LSC - CLOSE

ANTENNA
27 28
ANTENNA

TECHNICAL SPECIFICATIONS	
Alimentation	24V AC
Motor Tension	24V DC
Motor Current Max.	2,5A
Output Accessory Alimentation	24V DC 150mA
Light	Contact N.O.
Flash	Contact N.O.
Working Time	2 minutes
Automatic Closing Time	3 sec. a 2 minutes
Radio Card	Internal
Working Temperature	-20 to 70ºC

WARNING!!

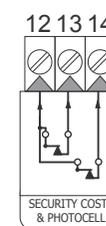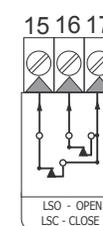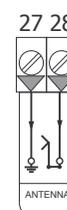AN ACCESSIBLE SWITCH, TO TURN OFF THE EQUIPMENT MUST BE INSTALLED FOR SYSTEMS THAT
ARE ALWAYS CONNECTED.
BEFORE INSTALLING MAKE SURE THE SUPPLY VOLTAGE IS SWITCHED OFF.