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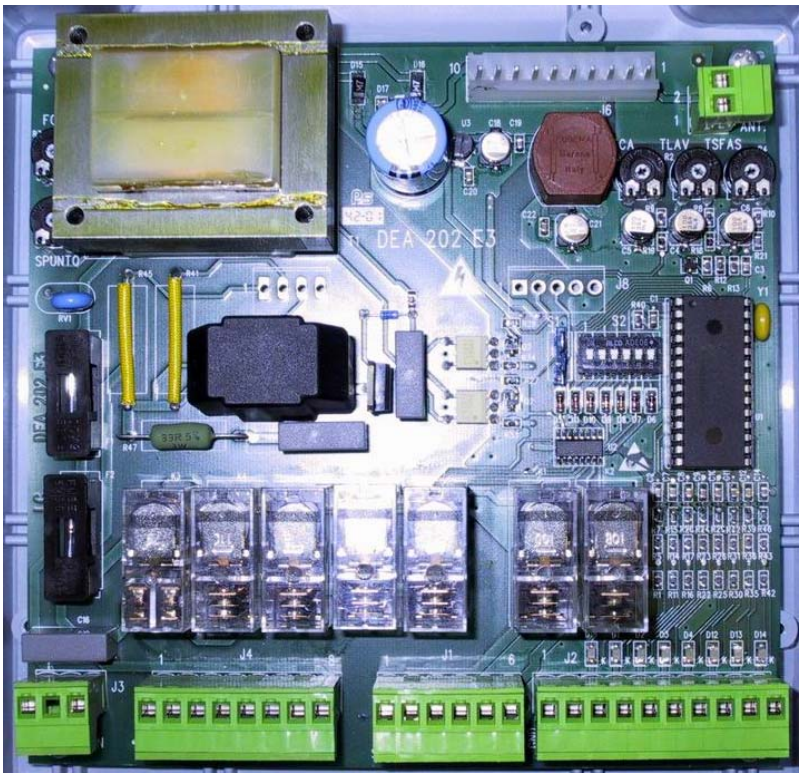


202E3

CE

I	**CENTRALE DI COMANDO**	**ISTRUZIONI D' USO E MANUTENZIONE**
F	**UNITÉ DE COMMANDE**	**INSTRUCTIONS D' UTILISATION ET D' INSTALLATION**
E	**CENTRAL DE MANDO**	**INSTRUCCIONES DE USO Y DE INSTALACION**
GB	**CONTROL UNIT**	**INSTALLATION AND USER 'S MANUAL**

This manual is essential part of the product and must be given to the end user. Please read carefully the instructions described in this manual since they give important information concerning the safety of installation, use and maintenance

FEATURES
DEA 202E3 control panel has been planned for the automation of wing gates with 230V monophase motors.It is extremely versatile, easy to install, and fully respects the european regulations concerning electromagnetic compatibility and electrical safety,in particular DEA SYSTEM ensures the compliance to the following european directives: 89/336/CEE, 73/23/CEE.
DEA SYSTEM anyway reminds that the choice, the disposition and the installation of all the materials and devices which compose the whole automation, must be done in respect of local regulations for each country where the installation is made.

TECHNICAL FEATURE

Power Supply	:230Vac +/- 10% 50Hz
Flashing light output	:230Vac 50Hz max 40W
Auxiliary power supply output	:24Vac max 200mA
Open gate warning light output	:24Vac max 200mA
Electric lock output	:12Vac max 15VA
Motors max power	:2 X 500W

TERMINAL BOARDS CONNECTION:
(see fig.1 wiring diagram)

WARNING: operate only when power supply is disconnected
Keep 230V wires decisely separated from low voltage wires.

1-2: Power Supply 230Vac+/-10% 50 Hz (F = phase, N =neutral)
3-4 Flashing light output 230Vac 50 Hz
5-6-7 Motor 1 output (5=open, 6=close, 7=common)
8-9-10 Motor 2 output (8=open, 9=close, 10=common)

11-12 Open gate warning light output 24Vac max 200mA
13-14 Electric lock output 12Vac 15VA
15-16 Auxiliary power supply output 24Vac max 200mA

17-18 Common of the inputs

19 FCA1 opening limit switch input motor 1 (N.C.)
Stops the movement of motor 1 during opening
20 FCA2 opening limit switch input motor 2 (N.C.)
Stops the movement of motor 2 during opening
21 FCC1 closing limit switch input motor 1 (N.C.)
Stops the movement of motor 1 during closing
22 FCC2 closing limit switch input motor 2 (N.C.)
Stops the movement of motor 2 during closing
23 FOTO photocell input item.104/105 (N.C.)
During closing reverses the movement,during opening (if active) stops the movement.
24 APRE open/close input (N.O.)
may work in step-by-step mode or inversion mode
25 STOP block input (N.C.)
Always stops the movement of both wings.
26 PED. Pedestrian opening input (N.O.)
causes the opening only of motor 1

WARNING:All unused N.C. must be short-circuited towards the common fo the inputs.

27 Antenna ground
28 Antenna signal
J6 Radioreceiver plug

DIAGNOSTIC LEDS
202E3 control panel has a series of leds signalling the status of the inputs, placed each one in front of its respective terminal.
In particular for the N.C. inputs (fca1, fca2, fcc1, fcc2, foto e blocco) the respective leds are normally alight and they turn off when one of the above inputs activates. N.O. inputs(open and pedestrian open) instead, leds are normally off and turn on when one of the above mentioned inputs activates.

WORKING

DIP-SWITCHES FUNCTIONS		
DIP1	ON	"collectivity" function ON : does not accept open impulses during opening and pause time
	OFF	"collectivity" function OFF: accepts open impulses also during opening and pause time.
DIP2	ON	Ram blow ON: before opening, makes a short closing movement (1 sec) to unlock eventual mechanical frictions.
	OFF	Ram blow OFF
DIP3	ON	"step-by-step" working program: open-stop-close-stop-open
	OFF	"inversion": working program : open-close-open-close
DIP4	ON	Preflashing before the beginning of each cycle = 4 sec
	OFF	Preflashing before the beginning of each cycle = 1 sec
DIP5	ON	Photocell active also in opening : stops the movement of both wings until the obstacle is removed
	OFF	Photocell active only in closing : reverses the movement of both wings.
DIP6	ON	Automatic closing OFF. The gate, after opening, will close only after receiving an open impulse
	OFF	Automatic closing ON. The gate, after opening, will close automatically after pause time adjusted by TLAV trimmer.

TIMES ADJUSTMENT
TCA Pause time adjustment trimmer, for automatic closing.

TLAV Work time adjustment trimmer. Both motors stop,both in opening and closing,after this time is passed.
In case limit switches are installed, work time have to be set for some seconds more than the effective time, necessary for the travel for the motors.

TSFAS Closing wing delay adjustment trimmer.
In opening the delay is fixed : 2 sec.

POWER ADJUSTMENT
202E3 has a device which allows the electrical adjustment of the power of the motors by acting on the trimmers "spunto" and "forza"

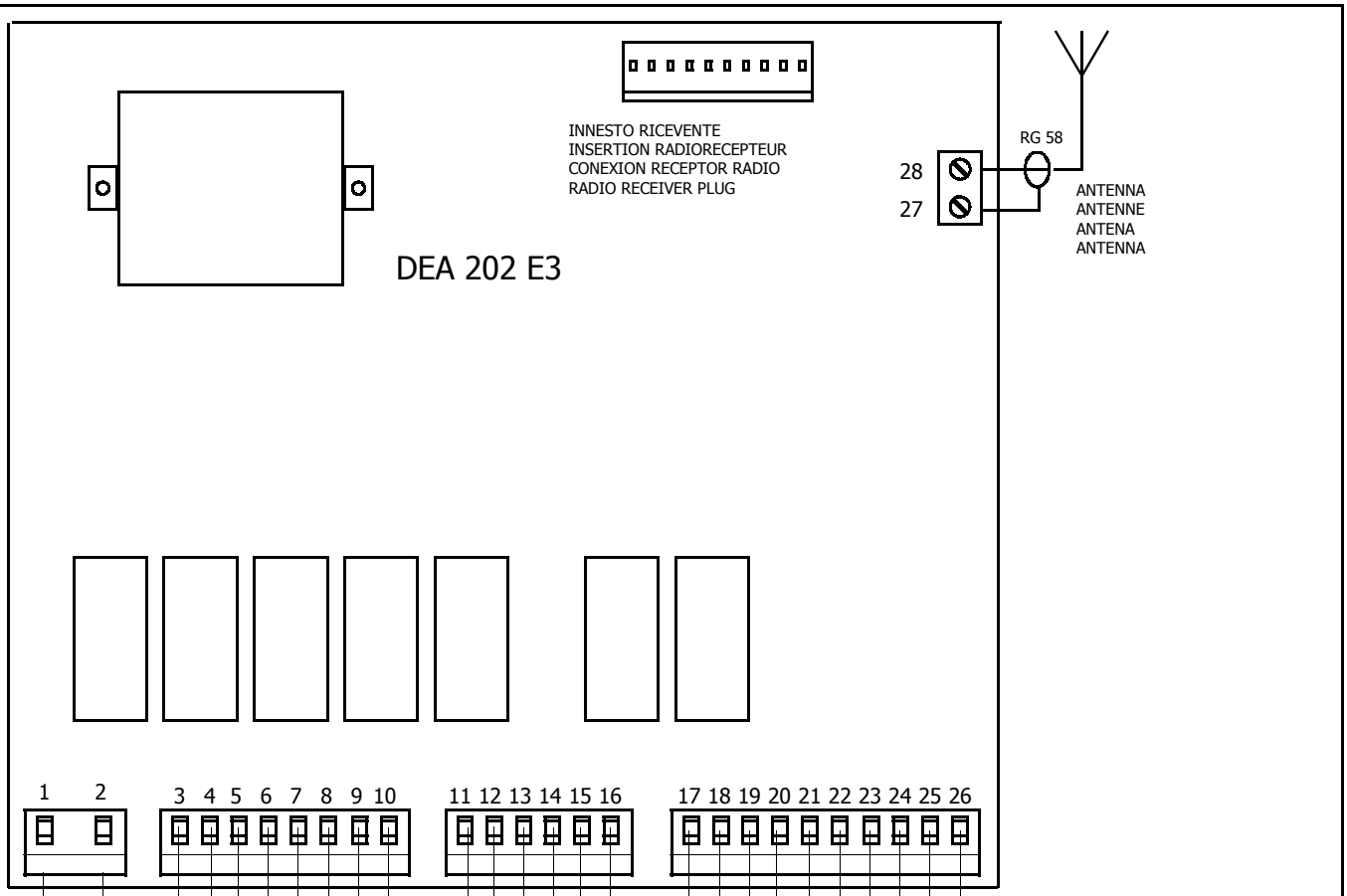
SPUNTO It adjusts the starting torque at the beginning of the movement,eliminating therefore eventual problems due to inertia or mechanical friction. (turn clockwise to increase the power, counterclockwise to decrease it)

FORZA It adjusts the power of the motor during the movement. (turn clockwise to increase the power, counterclockwise to decrease it)

It is anyway compulsory to respect carefully the power limit values specified by local regulations, for the country where the installation is made, using eventually the necessary safety devices.

202E3 CE

fig. 1



F
N
2 X 1,5mm²

ALIMENTAZIONE 230Vac 50 Hz
ALIMENTATION 230Vac 50Hz
SUMINISTRO ELECTRICO 230Vac 50Hz
POWER SUPPLY INPUT 230Vac 50Hz

3 X 1 mm²
3 X 1 mm²
M1
M2
2 X 1 mm²

LAMPEGGIANTE 230Vac max40W
CLIGNOTEUR 230Vac max40W
LAMPARA INTERMITENTE 230Vac max40W
FLASHING LIGHT 230Vac max40W

2 X 1 mm²

SPIA CANCELLO APERTO 24Vac max 200mA
VOYANT PORTAIL OUVERTE 24Vac max 200mA
INDICADOR LUMINOSO PUERTA ABIERTA 24Vac max 200mA
OPEN GATE WARNING LIGHT 24Vac max 200mA

2 X 1 mm²

ELETTROSERRATURA 12Vac 15VA
SERRRURE ELECTR. 12Vac 15VA
ELECTROCIERRE 12vaC 15VA
ELECTRIC LOCK 12Vac 15VA

2 X 0,5 mm²
4 X 0,5 mm²

PED. N.O. — START PEDONALE / OUVERTURE PIETONS / APERTURA PEATONAL / PEDESTRIAN OPEN

4 X 0,5 mm²

APRE N.O. — START/APRE / START/OUVRE / START/ABRE / START/OPEN

STOP N.C. — BLOCCO / BLOCAGE / BLOQUE / STOP

N.C. FCA1 — FINECORSA APERURA MOTORE 1 / BUTÉE DE FIN DE COURSE EN OUVERTURE MOTEUR 1 / FIN DE CARRERA ABERTURA MOTOR 1 / MOTOR 1 OPENING LIMIT SWITCH

N.C. FCA2 — FINECORSA APERURA MOTORE 2 / BUTÉE DE FIN DE COURSE EN OUVERTURE MOTEUR 2 / FIN DE CARRERA ABERTURA MOTOR 2 / MOTOR 2 OPENING LIMIT SWITCH

N.C. FCC1 — FINECORSA CHIUSURA MOTORE 1 / BUTÉE DE FIN DE COURSE EN FERMETURE MOTEUR 1 / FIN DE CARRERA CIERRE MOTOR 1 / MOTOR 1 CLOSING LIMIT SWITCH

N.C. FCC2 — FINECORSA CHIUSURA MOTORE 2 / BUTÉE DE FIN DE COURSE EN FERMETURE MOTEUR 2 / FIN DE CARRERA CIERRE MOTOR 2 / MOTOR 2 CLOSING LIMIT SWITCH

2 X 0,5 mm²

TX
24Vac
MAX200 mA
1 2
2 X 0,5 mm²

FOTOCELLULA art. 104 / 105
PHOTOCELLULE art. 104 / 105
FOTOCELLULA art. 104 / 105
POHOTOCELL item 104 /105

RX
1 2 3 4 5
N.C.

ATTENZIONE: DEA SYSTEM ricorda tuttavia che la scelta ,la disposizione e l'installazione di tutti i dispositivi e materiali che compongono l'intera automazione deve avvenire in ottemperanza alle normative vigenti nel paese in cui si effettua l'installazione.

ATTENTION: DEA SYSTEM vous rappelle toutefois que le choix, la disposition et l'installation de tous les dispositifs et de tous les matériels qui font partie de l'automation complète doivent être exécutés conformément aux réglementations en vigueur dans le pays où l'installation sera mise en place.

ATENCIÓN!: DEA SYSTEM, no obstante, recuerda que la elección, la disposición y la instalación de todos los dispositivos y materiales que componen el automatismo debe efectuarse en el cumplimiento de las normativas en vigor en el país en el que se efectúa dicha instalación.

WARNING: DEA SYSTEM reminds however that the choice and installation of all devices and materials included in the complete automation must respect the legal norms in force in the country where the system is installed