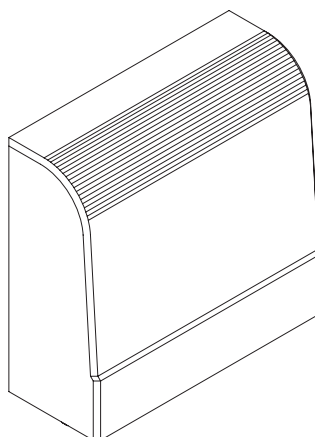


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Rev. 07/00/01



CENTRALINA A MICROPROCESSORE  
**CONTROL UNIT WITH MICROCONTROLLER**  
*MIKROCONTROLLER-STEUERUNG*  
**CENTRALE A MICROCONTRÔLEUR**  
CENTRALITA A MICROPROCESADOR

**DA.AXE**



Libro istruzioni  
**Operating instructions**  
*Betriebsanleitung*  
**Livret d'instructions**  
Libro de instrucciones



UNIONE NAZIONALE COSTRUTTORI  
AUTOMATISMI PER CANCELLI, PORTE,  
SERRANDE ED AFFINI

**Dichiarazione CE di conformità**  
**EC declaration of conformity**  
**EG-Konformitätserklärung**

**Déclaration CE de conformité**  
**Declaracion CE de conformidad**

Con la presente dichiariamo che il nostro prodotto  
We hereby declare that our product  
Hiermit erklären wir, dass unser Produkt  
Nous déclarons par la présente que notre produit  
Por la presente declaramos que nuestro producto

**DA.AXE**

è conforme alle seguenti disposizioni pertinenti:  
complies with the following relevant provisions:  
folgenden einschlagigen Bestimmungen entspricht:  
correspond aux dispositions pertinentes suivantes:  
satisface las disposiciones pertinentes siguientes:

Direttiva sulla compatibilità elettromagnetica (89/336/  
CCE, 93/68/CEE)  
EMC guidelines (89/336/EEC, 93/68/EEC)  
EMV-Richtlinie (89/336/EWG, 93/68/EWG)  
Directive EMV (89/336/CCE, 93/68/CEE) (Compatibilité  
électromagnétique)  
Reglamento de compatibilidad electromagnética (89/336/  
MCE, 93/68/MCE)

Direttiva sulla bassa tensione (73/23/CEE, 93/68/CEE)  
Low voltage guidelines (73/23/EEC, 93/68/EEC)  
Tiefe Spannung Richtlinie (73/23/EWG, 93/68/EWG)  
Directive bas voltage (73/23/CEE, 93/68/CEE)  
Reglamento de bajo Voltaje (73/23/MCE, 93/68/MCE)

Norme armonizzate applicate in particolare:  
Applied harmonized standards, in particular:  
Angewendete harmonisierte Normen, insbesondere:  
Normes harmonisées utilisées, notamment:  
Normas armonizadas utilizadas particularmente:

EN 55022, EN 61000-3-2, EN 61000-3-3, EN 50082-1

Norme armonizzate applicate in particolare:  
Applied harmonized standards, in particular:  
Angewendete harmonisierte Normen, insbesondere:  
Normes harmonisées utilisées, notamment:  
Normas armonizadas utilizadas particularmente:

EN 60204-1, EN 60335-1

Norme e specifiche tecniche nazionali applicate in  
particolare:  
Applied national technical standards and specifications, in  
particular:

Angewendete nationale Normen und technische  
Spezifikationen, insbesondere:  
Normes et specifications techniques nationales qui ont été  
utilisées, notamment:  
Normas y especificaciones técnicas nacionales que se  
utilizaron particularmente:

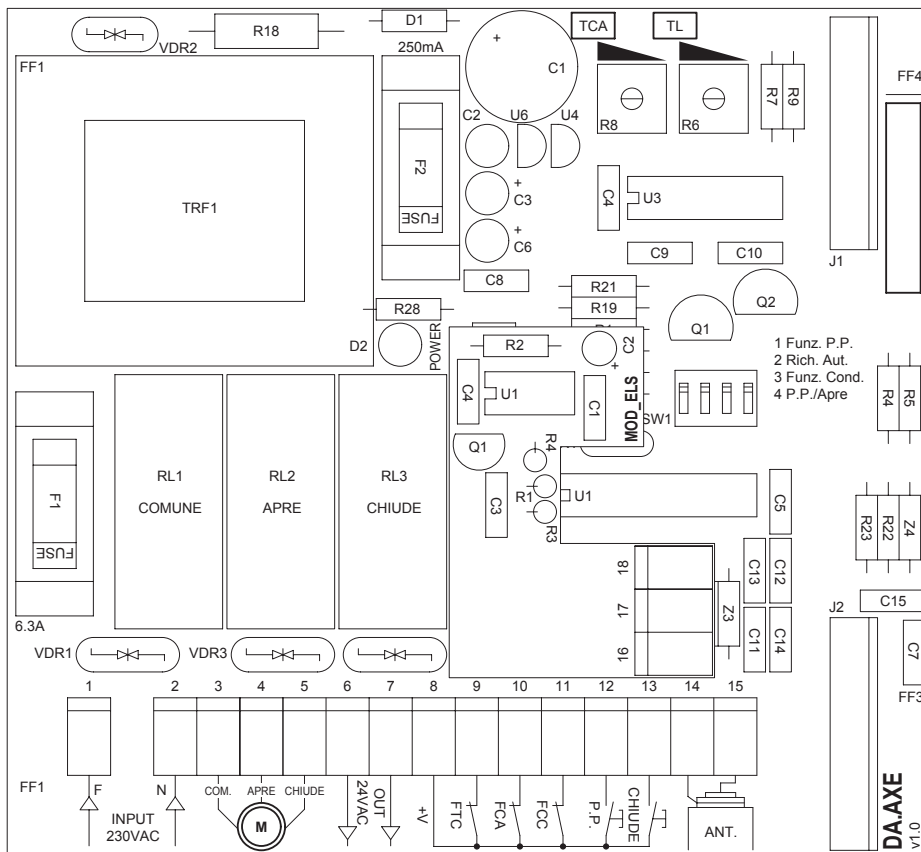
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Automatismi Benincà Srl  
Via Scamozzi, 3  
36030 MONTECCHIO P. VI  
ITALIA



## DA.AXE Control unit with microcontroller

The microprocessor control unit DA.AXE can be used with motors having a power not exceeding 500W.

### Installation instructions.

- a) The electrical installation and functioning logic must comply with current standards.
- b) It is advisable to keep the power cables (motor, power supply) detached from the control cables (push-buttons, photocells, radio). In order to avoid any possible interference it is recommended to provide for and use two separate sheaths (see EN 60204-1 15.1.3).
- c) Before powering the unit, check again all connections which have been carried out.
- d) Check the correct presettings of the Dip-Switches.
- e) When the unit is powered, the LED "POWER" must be lit; in the negative, check fuses and that 230VAC 50Hz power supply is present between terminals 1 and 2 (INPUT 230VAC - keep to phase / neutral).
- f) The N.C. inputs not used must be connected to the common "+V".
- g) Should the direction of rotation of the motor be reversed, invert the motor wires "OPEN" with "CLOSE" and the limit switches wires "FCA" with "FCC".

### Input/Output functions

- (1,2) INPUT 230VAC= Control unit 230VAC 50 Hz power supply  
(respect phase/neutral wire position).
- (3,4,5) COM/APRE/CHIUDE= Connection to the corresponding 230VAC 50 Hz motor terminals  
(the earth wire (green/yellow) must be connected to the motor housing).
- (6,7) OUT 24VAC= 24VAC auxiliary power supply output (100mA max.).
- (12) +V= Common connection to all the control inputs.
- (9) FTC= Photocell receiver input (n.c. contact).
- (10) FCA= Input of limit switch APRE (n.c. contact).
- (11) FCC= Input of limit switch CHIUDE (n.c. contact).
- (8) P.P.= Input, "PASSO-PASSO" push button or "APRE" push-button according to the Dip-Switch  
presetting
- (15) CHIUDE= CLOSE button input (n.o. contact).
- (13,14) ANT.= Input of radio board antenna

N.B.: terminals of the electric lock module  
terminal 16 = N.O.  
terminal 17 = COM.  
terminal 18 = N.C.

#### Dip-switch functions

**N.B.:** Every change of functions have to be done without electricity.

**DSW1=** This selects the type of functioning of the P.P. button and Remote control.

Off= "APRE" - "STOP" - "CHIUDE" functioning

On= "APRE" - "CHIUDE" - "APRE" functioning.

**DSW2=** This enables or disables the automatic re-closing - "TCA TRIMMER".

Off= Automatic re-closing enabled

On= Automatic re-closing disabled

**DSW3=** This enables or disables the apartment building function (after the first opening command, the P.P. button and the Remote control are deactivated).

Off= Apartment building function disabled.

On= Apartment building function enabled.

**DSW4=** It selects the operation of the "P.P." input as push-button "PASSO-PASSO" or push-button "APRE".

Off= "P.P." push-button

On= "APRE" push-button

#### Trimmer functions

**TCA=** This allows the automatic re-closing time to be adjusted when this is enabled by positioning the DSW2 Dip-switch on OFF.

Adjustment can be from a minimum of 5 to a maximum of 150 seconds.

The minimum time is obtained by rotating the trimmer completely clockwise.

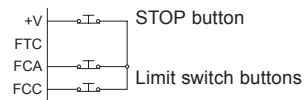
**TL=** This allows the working time of the automation to be adjusted. If the limit switches fail, the software protection will intervene after this time has elapsed. (Add about 4 sec. to the actual stroke time of the automation).

Adjustment can be from a minimum of 7 to a maximum of 180 seconds.

The minimum time is obtained by rotating the trimmer completely clockwise.

#### Note

- The "STOP" control can be carried out by connecting the normally closed push button between the common wire of the limit switch and the "+V" terminal (see drawing).



- If the "P.P." input is used as "APRE" (Dip-switch 4= ON), the automatic closure is not carried out until the contact remains closed.



AUTOMATISMI BENINCA' Srl - Via Capitello, 45 - 36066 Sandrigo (VI) - Tel. 0444 751030 r.a. - Fax 0444 759728

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