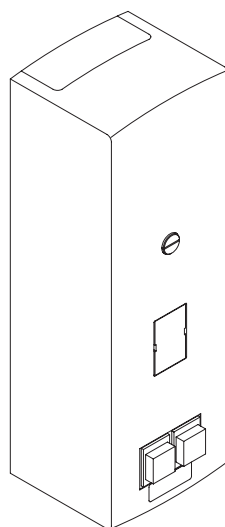


L8542675
Rev. 05/04/01

BENINCA®

CENTRALE DI COMANDO
CONTROL UNIT
STEUEREINHEIT
CENTRALE DE COMMANDE
CENTRAL DE MANDO
CENTRALKA STEROWANIA

DA.V/VT



Libro istruzioni
Operating instructions
Betriebsanleitung
Livret d'instructions
Manuale de instrucciones
Książeczka z instrukcjami



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
Deklaracja UE o zgodności

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

DA.V/DA.VT

è conforme alle seguenti disposizioni pertinenti:
complies with the following relevant provisions:
folgenden einschlägigen Bestimmungen entspricht:
correspond aux dispositions pertinentes suivantes:
satisface las disposiciones pertinentes siguientes:
zgodny jest z poniżej wyszczególnionymi rozporządzeniami:

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)
Wytyczna odnośnie zdolności współdziałania elektromagne-
tycznego (89/336/EWG, 93/68/EWG)

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)
Wytyczna odnośnie niskiego napięcia (73/23/EWG, 93/
68/EWG)

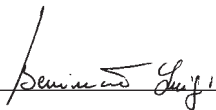
Norme armonizzate applicate in particolare:
Applied harmonized standards, in particular:
Angewendete harmonisierte Normen, insbesondere:
Normes harmonisées utilisées, notamment:
Normas armonizadas utilizadas particularmente:
Normy standard najczęściej stosowane:

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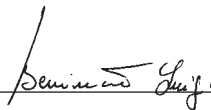
EN 55022, EN 61000-3-2, EN 61000-3-3, EN 50082-1

EN 60204-1, EN 60335-1

Data/Firma

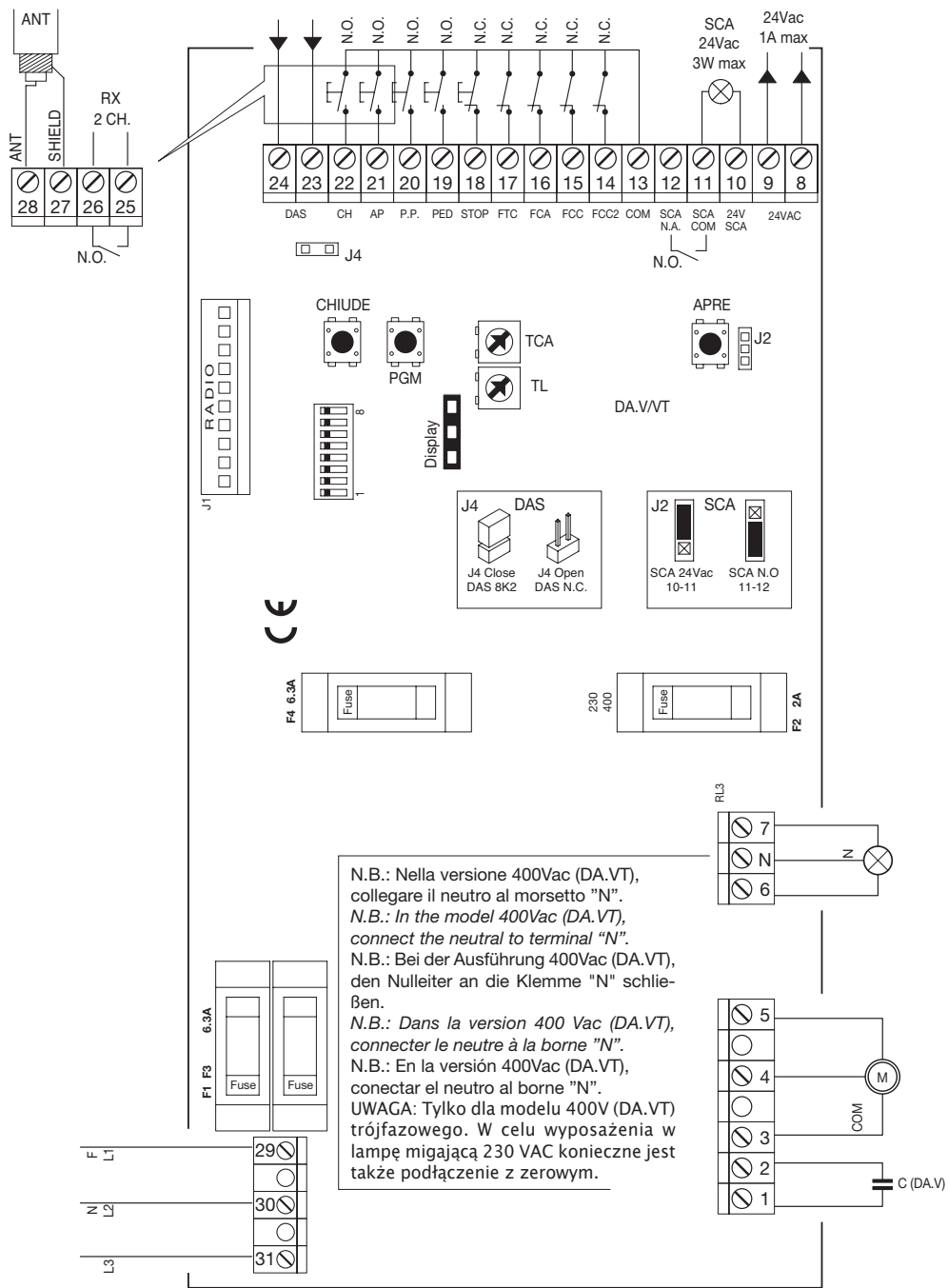


Data/Firma



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Automatismi Benincà Srl
Via Capitello, 45
36066 Sandrigo (VI)
ITALIA



DA.V/VT Control unit with microcontroller

The **DA.V/VT** control unit with microcontroller can be used with motors featuring a power not exceeding 750W.

Installation instructions.

- a) The wire connections and the operating logic should comply with regulations in force.
- b) It is advisable to keep the power cables (motor, power supply) detached from the control ones (push-buttons, photocells, radio). To avert any interference, it is advisable to use two distinct sheaths (see EN 60204-1 15.1.3).
- c) Before powering the unit, check all connections.
- d) Check the correct setting of the Dip-switches.
- e) The STOP button, if not in use, should be connected to common "+V".
- f) If the rotation direction of the motor is inverted, it is sufficient to invert the wires "APRE" - "CHIUDE" (OPEN - CLOSE) of the motor itself as well as the limit switches wires "FCA" - "FCC".

Input/Output functions

Terminal No.	Function	Description
(29,30,31)	INPUT 230/400 VAC	Power supply of the control unit, 230/400Vac, 50 Hz. [follow phase/neutral]
(1,2)	DISGIUNTORE	To the auxiliary capacitor (in the single-phase, 230Vac model only).
(3,4,5)	COM/APRE/CHIUDE	To the corresponding terminals of the motor at 230/400Vac, 50Hz. [It is mandatory to connect the earth (yellow/green) on the motor frame].
(6,7)	LAMP230	To the flashing light at 230Vac. (*)
(8,9)	OUT 24VAC	Output, auxiliary power supply, 24Vac, (1A max).
(10,11)	SCA	Open gate LED (**). Output at 24Vac (**).
(11,12)	SCA	"Open gate LED" contact (**). Free terminal (**).
(13)	COM	Common to all control inputs.
(14)	FCC2	Input, limit switch for security edge cut-off (N.C. contact).
(15)	FCC	Input, closure limit switch (N.C. contact).
(16)	FCA	Input, opening limit switch (N.C. contact).
(17)	FTC	Input, photocell receiver (N.C. contact).
(18)	STOP	Input, Stop push-button (N.C. contact).
(19)	Ped	Input, push-button for pedestrian passage. It opens for 10 sec (N.O. contact).
(20)	P.P.	Input, Step-by-step push-button (N.O. contact).
(21)	Open	Input, Open push-button (N.O. contact).
(22)	Close	Input, Close push-button (N.O. contact).
(23,24)	DAS	Input, resistive safety edge. If a resistive edge is in use, CLOSE the J4 bond. If a mechanical safety edge is used, OPEN the J4 bond.
(25,26)	RX 2CH.	Contact of radio card 2nd channel (N.O. contact).
(27,28)	ANT.	Input, radio card antenna.

(*) In the **DA.VT** three-phase, 400V model, connection to the neutral should be carried out to use the 230Vac flashing light. The neutral should be connected to the central terminal of the flashing light and the light should be connected to the external terminals.

(**) For the Open Gate LED, two operating modes and two connecting possibilities are provided. The two operating modes are the following: **the first as SCA**, with slow flashing in the opening phase, fixed light when the door is not closed, fast flashing in the closing phase and light off when the door is completely closed.

The second operating mode is as courtesy light. The light switches on at the beginning of the movement and it switches off 160 seconds after the end of movement.
The two connecting modes are at 24Vac, between terminals 10 and 11 with J2 bond up and with a contact free from relays between terminals 11 and 12 with J2 bond down.

Dip-switch functions

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


- DSW1** The operating mode of the "P.P. button" and of the remote control is selected.
Off: Operation "OPEN" - "STOP" - "CLOSE"
On: Operation "OPEN" - "STOP" - "OPEN"
- DSW2** The "Service man" function on the Open button is enabled or disabled
Off: Service man function disabled
On: Service man function enabled
- DSW3** The "Service man" function on the Close button is enabled or disabled
Off: Service man function disabled
On: Service man function enabled
- DSW4** The automatic closure is enabled or disabled
Off: Automatic closure disabled
On: Automatic closure enabled
- DSW5** Forewarning flashing light is enabled or disabled
Off: Forewarning flashing light is disabled
On: Forewarning flashing light is enabled
- DSW6** The type of activation of the "FTC" input in the opening phase is selected
Off: No activation
On: Temporary stop
- DSW7** The multiple-flat function is enabled or disabled
Off: Multiple-flat function is disabled
On: Multiple-flat function is enabled
- DSW8** The operation of the circuit-breaker is controlled if this device is activated before the minimum time has elapsed.
Off: If the reversion is caused by a protection, the circuit-breaker is activated at the end of time-out. If the cause is not a protection device, the system stops.
On: The reversion movement is carried out in any case, without the activation of the circuit-breaker.

Trimmer functions

- TCA** The automatic closure time can be adjusted when it is enabled by moving the Dip-Switch DSW4=ON. The adjustment varies from **1 sec.** minimum to **250 sec.** maximum.
- TL** The operating time of the system can be adjusted. After this time, the software protection is activated should a failure of the limit switches occurs (position this trimmer at approx. **4 sec** more than the real stroke of the automatic system). The adjustment varies from **1 sec.** minimum to **250 sec.** maximum.

Trimmer functions

These can be preset by using the programming push-button (PGM) along with the Dip-Switches. Move the Dip-switch as shown in the table hereunder, press the button PGM for 2 seconds, release the button, then move the Dip-switches in the desired configuration.

Function	Options
Menu Dip-switch 1√4= On/Off/Off/Off 	Dip-switch5 = Operation of SCA. Off: Operation as SCA. On: Operation as courtesy light (def.). Dip-switch6 = Faulty protections. In the event protection devices (photocells and safety edge) no longer send the enable signal to the system, the latter can be used in "Service man" mode. Even though this function is not selected, this option can be enabled by keeping the push-button pressed for at least 2 consecutive seconds. Off: The automatic system is not activated until reset of protections. On: After 2 sec. the automatic system starts in any case in "Service man" mode (def).

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