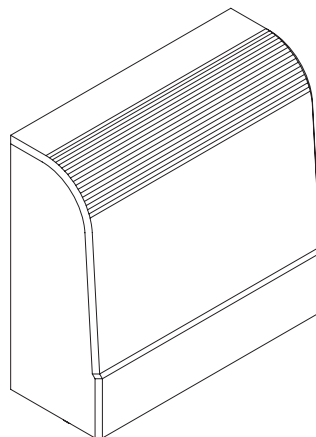


L8542003  
Rev. 02/01/00



QUADRO DI COMANDO  
**CONTROL PANEL**  
SCHALTAFEL  
**TABLEAU DE COMMANDE**  
CUADRO DE CONTROL

**DA.B1**



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



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

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**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.B1**

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:

UNI 8612

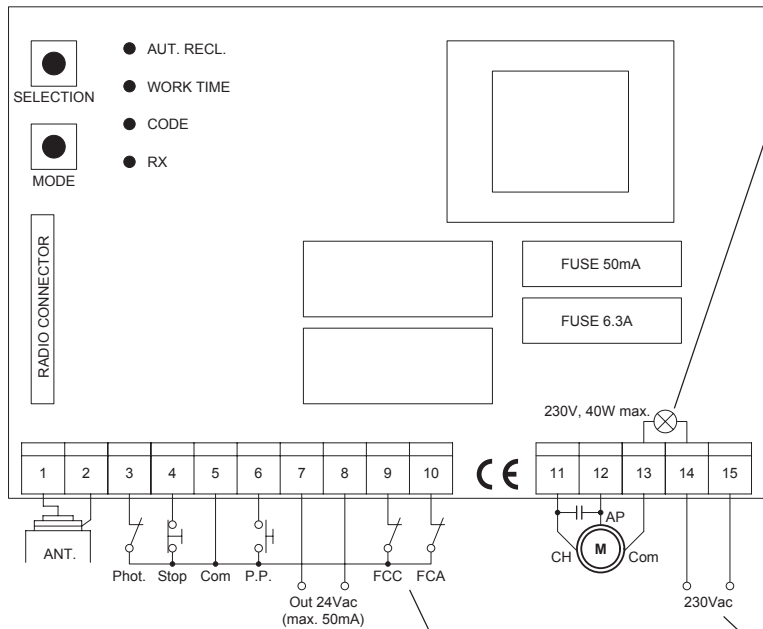
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Automatismi Benincà Srl  
Via Scamozzi, 3  
36030 MONTECCHIO P. VI  
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Luce di cortesia / autolampeggio (opzionale)  
**Courtesy light / self-flashing (optional)**  
 Höflichkeitsleuchte / selbstblinkend (Option)  
**Lumière de courtoisie / autoclignotement (option)**  
 Luz de cortesia / autodestello (opción)



Opzionali  
**Optionals**  
 Optionen  
**Options**  
 Opciones

Linea 230Vac  
**230Vac line**  
 Leitung 230Vac  
**Ligne 230Vc.a.**  
 Línea 230Vca

## DA.B1 Control panel

### Functional characteristics

DA.B1 is a single-phase control panel to control the movement of shutters as well as doors and windows. It is provided with a built-in receiver for the remote control of the system, which allows to store the different transmission codes of max 250 transmitters. The motor start control signal, sent by a radio control or a step-by-step push button connected to the terminal board, features an operation of the open-stop-close-stop type. The first impulse controls the opening movement until the work time has elapsed (or until the opening limit switch, if provided, is triggered). The second impulse controls the closing movement until the work time has elapsed (or until the opening limit switch, if provided, is triggered). If an impulse control is given while the motor is turning, the control unit stops the motor and with the following control impulse the motor starts moving again in the reverse direction.

### Automatic closure

If the automatic closure is enabled, as described in the programming of functions, the door or window closes again with no need to send any further control signal after the time already preset by the installer.

### Safety devices

A safety device can be connected (photocell: Normally Closed (N.C.) contact and 24VAC power supply). This device is activated only in the closing phase and causes the complete opening of the door or window. This input should be short-circuited if not in use.

### Installation instructions.

- a) The electrical installation and functioning logic must comply with current standards.
- b) Keep the power cables (for the motor and power supply) away from the control cables (buttons, photocells, radio). To avoid interference use two separate sheaths (see EN 60204-1 15.1.3).
- c) Check all the connections again before supplying voltage.
- d) If the direction of the motor rotation is not correct, invert the "OPEN" - "CLOSE" wires of the motor as well as the wires of the "FCA" - "FCC" limit switches.

### Input/Output functions

- 1) Input, antenna
- 2) Input, antenna earth
- 3) Input, photocell (NC)
- 4) Input, stop push button (NC)
- 5) Input, push buttons common
- 6) Input, step-by-step push button (Normally Open)
- 7) Output, photocell power supply, 24Vac, 1.5W
- 8) Output, photocell power supply, 24Vac, 1.5W
- 9)
- 10)
- 11) Output, closing motor
- 12) Output, opening motor
- 13) Output, motor common
- 14) Input, 230Vac power supply
- 15) Input, 230Vac power supply

N.B.: the Normally Closed (NC) inputs should be short-circuited if not in use

### Programming

**SELECTION key:** with this key the function to be programmed, which is shown by a flashing LED, is selected. The chosen function is indicated by a flashing LED which keeps flashing for 20 sec, after which, if no control signal is sent, the system exits the programming mode.

**MODE key:** the programming of the selected function is carried out.

The meaning of the various programming LEDs is summarized in the following table:

Function / Ref. LED	LED off	LED flashing	LED on
1) CODE	No code	Waiting for the learning code	Tx code learned
2) WORK TIME	Minimum time (1 sec.)	Work time under programming	Work time programmed
3) AUT. RECL.	Automatic closure disabled	Automatic closure time under programming	Automatic closure enabled for the preset time

**1) CODE (code learning of the radio controls)**

Learning: press SELECTION key until the CODE LED starts flashing and then press the radio control key.

When the LED light is fixed, the learning is completed.

The learning of the transmitters cannot be carried out when the door or window is moving.

Erasing: press the SELECTION key until the CODE LED starts flashing. Release the SELECTION key and press the MODE key. All the LEDs switch on and then all codes of the radio controls learned by the unit are erased (the CODE LED stays off).

**2) WORK TIME (programming of the work time from 1 sec to 2 min)**

The control panel is supplied with the minimum work time already preset in factory (1 sec, WORK TIME LED off).

To program the work time: 1) door or window in the closed position, 2) by using the SELECTION key make the WORK TIME LED flash, 3) release the SELECTION key and press the MODE KEY: the door or window opens and, when the desired point is reached, stays in this position until the key is released (the number of the LED flashes allows to count the time in seconds). At this point the work time is memorized and the WORK TIME LED stays on with fixed light. To modify the work time, repeat the above procedure.

If an endless work time is required, carry out the procedure by keeping the MODE key pressed for more than 2 min. In this case, limit switches should be provided to stop the motor.

**3) AUT. RECLOSURE (programming of the closing time from 2 sec to 2 min)**

The control panel is supplied with the automatic closure disabled.

To program the automatic closure time: 1) by using the SELECTION key, make the AUT. RECL. LED flash; 2) release the SELECTION key and press the MODE key: at this point, by counting the LED flashes, it is possible to count the automatic closure time in seconds. When the key is released, the automatic closure time is stored in memory and the AUT. RECL. LED stays on with fixed light. To modify the automatic closure time, repeat the above procedure.

To disable the automatic closure, carry out the procedure by keeping the MODE key pressed for less than 2 sec; when the key is released, the AUT. RECL. LED stays off.

**Reset**

To reset the control unit to the factory-set configuration, press the SELECTION and MODE keys simultaneously. All LEDs switch on for a while and then stay off. All information stored in memory is then lost.

**Radio diagnosis**

The receiver is provided with a LED (RX) for the radio diagnosis through which it is possible to detect the presence of radio interference which may affect the correct operation of the control unit. The correct mode is to check between two transmissions:

LED off = no interference;

Flashing LED = slight interference;

LED on = strong interference.

Technical specifications	B1 433	B1 433 S	B1 30	B1 306*
Power supply voltage	230Vac +10% -15% - 50Hz			
Accessories power supply	24Vac, 1.5W max.			
Output, motor	230Vac, 500W max.			
Operating temperature	-10 / +60 °C			
Work time	da 1 a 120 s			
Automatic reclosure time	da 2 a 120 s			
Receiver frequency	433.92Mhz	433.92Mhz narrow band	30.875Mhz quartz	306Mhz super-reactive
Antenna impedance	50Ω			
Code number	4096 (fixed code reception)			
Range	50 - 150 m in free space	50 - 150 m in free space	50 - 150 m in free space	50 - 150 m in free space
Transmitters storable in memory	250			

\* Device not for EU market



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