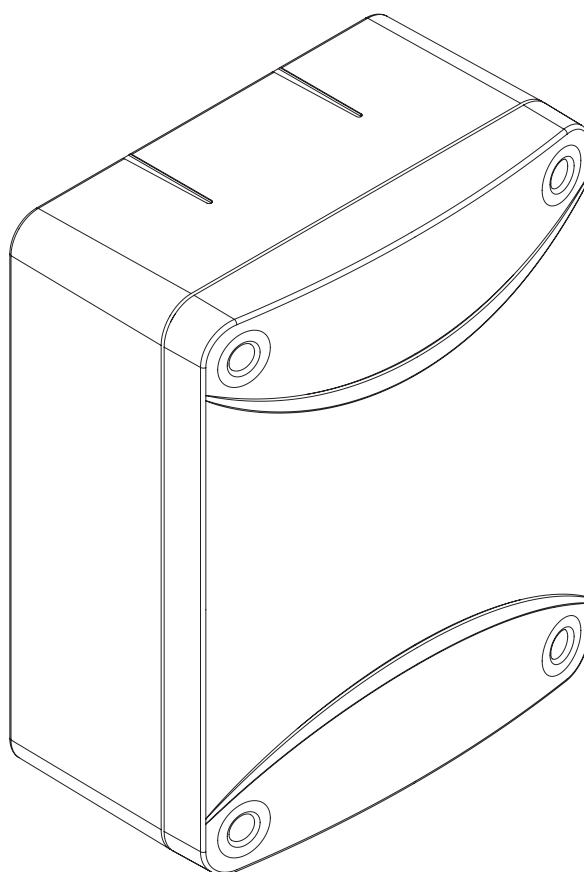


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Rev. 11/07/00

# BENINCA®

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

## **DREAM**



Libro istruzioni  
**Operating instructions**  
*Betriebsanleitung*  
**Livret d'instructions**  
Manual 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

**DREAM**

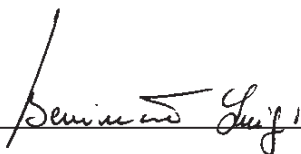
è conforme alle seguenti disposizioni pertinenti:  
complies with the following relevant provisions:  
folgenden einschlagigen Bestimmungen entspricht:  
correspond aux dispositions pertinentes suivantes:  
satisface las disposiciones pertinentes siguientes:  
zgodny jest z poniżej wyszczególnionymi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

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:

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

Data/Firma

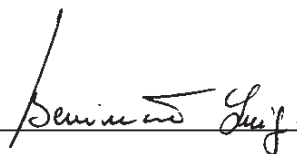


Direttiva sulla bassa tensione (73/23/CEE, 93/68/CEE)  
Low voltage guidelines (73/23/EEC, 93/68/EEC)  
Tiefe Spannung Richtlinie (73/23/EWG, 93/68/EWG)  
Directive bas voltage (73/23/CEE, 93/68/CEE)  
Reglamento de bajo Voltaje (73/23/MCE, 93/68/MCE)  
Wytyczna odnośnie niskiego napięcia (73/23/EWG,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

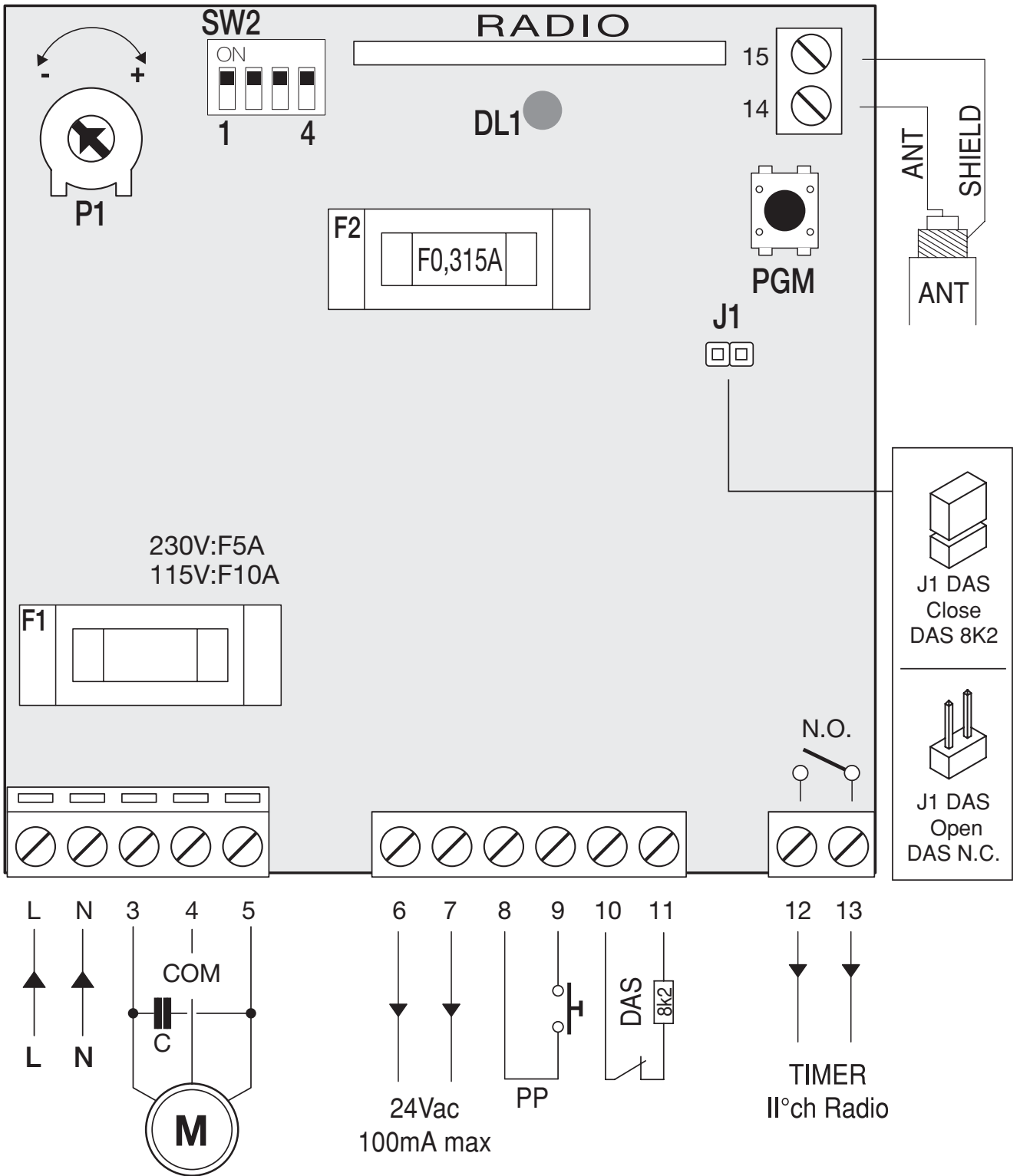
EN 60204-1, EN 60335-1

Data/Firma



**BENINCA®**

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



## DREAM Control Unit

The **DREAM** control unit can be used to control 1 motor with power not exceeding 500W.

### GENERAL WARNINGS

- a) The wire connections and the operating logic should be in compliance with regulations in force.
- b) The cables featuring different voltage should be physically separated, or adequately insulated by an additional insulation of at least 1 mm.
- c) The cables should be further fastened in proximity to the terminals.
- d) Check all connections before powering the unit.
- e) Check that setting of the Dip-Switches are the required ones.
- f) Normally Closed inputs which are not in use should be short-circuited.

### INPUTS/OUTPUTS

Terminal no.	Function	Description
1-2	Power Supply	DREAM: Input, 230Vac 50Hz (1-Phase/2-Neutral) Model DREAM115: Input 115vac 60Hz (1-Phase/2-Neutral)
3-4-5	Motor	Connection to motor (3-marcia/4-Com/5-marcia)
3-5	Capacitor	Connection to capacitor
6-7	24 Vac	Output, power supply of accessories, 24Vac/100 mA max.
8-9	Step-by-Step	Input, step-by-step push button open>stop>close>stop. N.O. contact
10-11	PNEUMATIC SAFETY EDGE	Input, safety edge contact. It is activated in the closing phase only. Resistive edge: "J4" jumper closed Mechanical edge: "J4" jumper open. It can be used also as input for photocell with J4 jumper open. See description of DIP 3.
12-13	TIMER/2nd ch.	Output (N.O. contact). It can be set for second radio channel or timed. See description of DIP 4.
14-15	Antenna	Connection of antenna with built-in radio receiver module (14-signal/15-display).
MD1	RADIO	Built-in two-channel radio receiver. See DIP 1

### FUNCTIONS OF DIP-SWITCHES

- DIP 1**    **"CVAR"** – Fixed code transmitters are enabled or disabled.  
On: Only variable-code transmitters are enabled (14 codes maximum).  
Off: Both variable code transmitters and fixed code transmitters are enabled (14 codes maximum).
- DIP 2**    **See paragraph "Learning of stroke"**
- DIP 3**    **"COSTA"** – The operating mode of the safety edge is selected.  
On: The activation of the safety edge in the closing phase causes the gate stop (STOP). The control following the stop will always be an OPEN control.  
Off: The activation of the safety edge causes a movement reversion until the door is completely open. At this point, the counting of the residual operating time and the possible automatic closure time starts. At end of counting, the control unit sends a new closing control signal. The unit carries out 3 closing trials. At the end of these trials, a complete opening control and subsequent STOP control are sent if the obstacle is not removed.

**DIP 4** “**TIMER**”- The operating mode of TIMER/II°ch output is selected.

On: Normally Open, free contact. This is controlled by the second radio channel of the built-in receiver. The switching time is adjustable through the trimmer P1 (timer) from 1 to 200s.

Off: Normally Open, free contact. This is to control service lights, indicator lamps, etc. The contact switches every time the door moves. The switching time is adjustable through the trimmer P1 (timer) from 1 to 200s.

### **STROKE LEARNING**

The learning of the stroke (operating time) and of the automatic re-closure time (TCA) is carried out through the following procedure:

1 - Move DIP2 to ON.

To obtain an automatic re-closure (TCA) move DIP4 to ON.

If the automatic re-closure is not required, move DIP4 to OFF.

2 - Send a Step-by- Step control (through the push-button or the transmitter) and wait that the door is completely open.

3 - With open door, send a Step-by-Step control:

a) If the DIP4 is to ON, the TCA time counting starts. Wait that the desired TCA time has elapsed, then send a new Step-by-Step control and the door comes to a closure.

b) If the DIP4 is OFF, a new Step-by-Step control can be sent immediately, and the door comes to a closure.

4 - The counting of the operating time starts. Wait that the door is completely closed and the movement comes to a stop, wait some seconds, then send a new Step-by-Step control signal to store the operating time in memory.

5 - Move DIP2 to OFF again, move DIP 4 to the initial position again.

### **CONFIGURATION OF THE BUILT-IN RECEIVER**

The control unit is fitted with a built-in radio module for receiving remote controls both with fixed codes and variable codes (see dip-switch 1 functions), with a frequency of 433.92MHz.

For a transmitter to be used, the module first has to self-learn its code. The memorise procedure is illustrated below, the module can memorise up to 14 different codes.

#### **Memorising a new transmitter by activating the P.P. function**

- Press the PGM button once for 2sec and the LED DL1 starts flashing rapidly.

- Press the transmitter button within 10 sec to memorise with the P.P. (Step-by-step) function.

After the transmitter has been stored in memory, the receiver exits the programming phase.

#### **To memorise a new transmitter code with activation of 2nd radio channel output (DIP4:ON)**

- Press push-button PGM twice, each time for at least 2 seconds, LED DL1 switches on with fixed light.

- Within the following 10 seconds, press the transmitter push-button to be memorised with 2<sup>nd</sup> radio channel function.

After the transmitter has been stored in memory, the receiver exits the programming phase.

#### **Cancelling all transmitters from the memory**

- Cut-off the mains power supply, press the PGM push-button and power the system again, still keeping the button pressed.

- Keep the PGM button pressed for 5 sec, the LED DL1 switches on with fixed light.

- Release the PGM button, the memory is now erased.

**N.B.:** For safety reasons, transmitters cannot be memorised during the open/close cycles of the motor.

Nei motori oleodinamici il valore di default (99%) non deve essere modificato. Utilizzare le valvole by-pass per regolare la coppia applicata.

During the memorisation phase of the transmitter codes, if, after pressing the push-button of the transmitter, DL1 LED lights up with a long flash and then switches off, this means that the receiver is full (therefore, the code is not stored in memory) or the transmitter used is not compatible.

**BENINCA<sup>®</sup>**

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