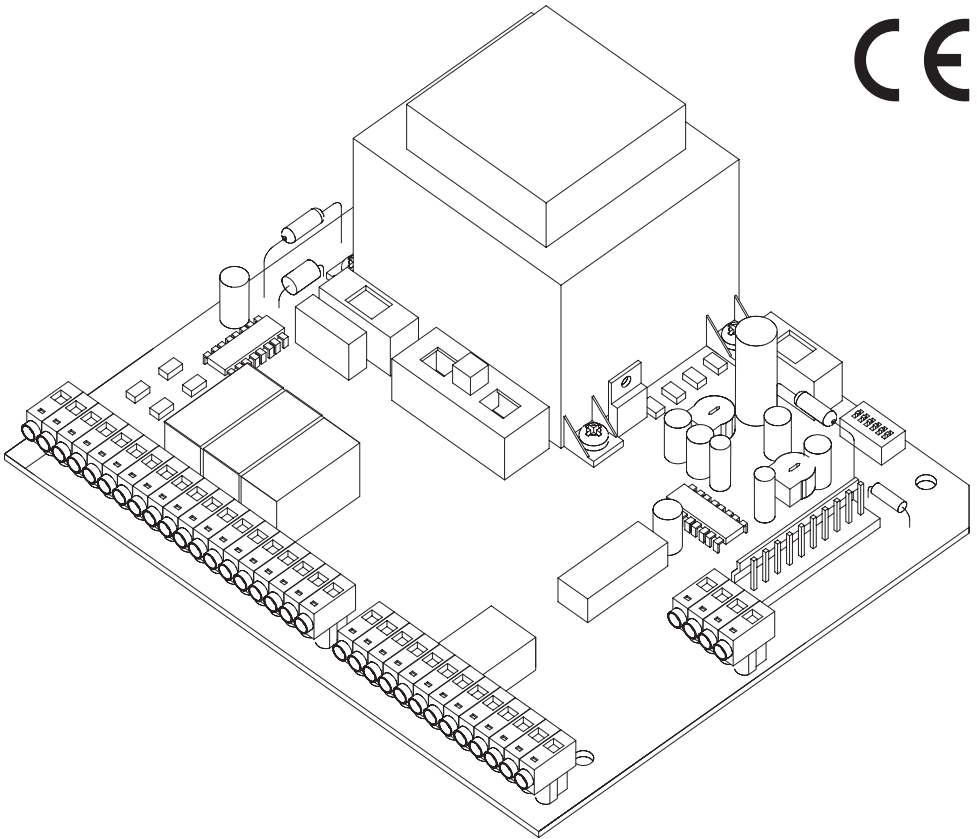




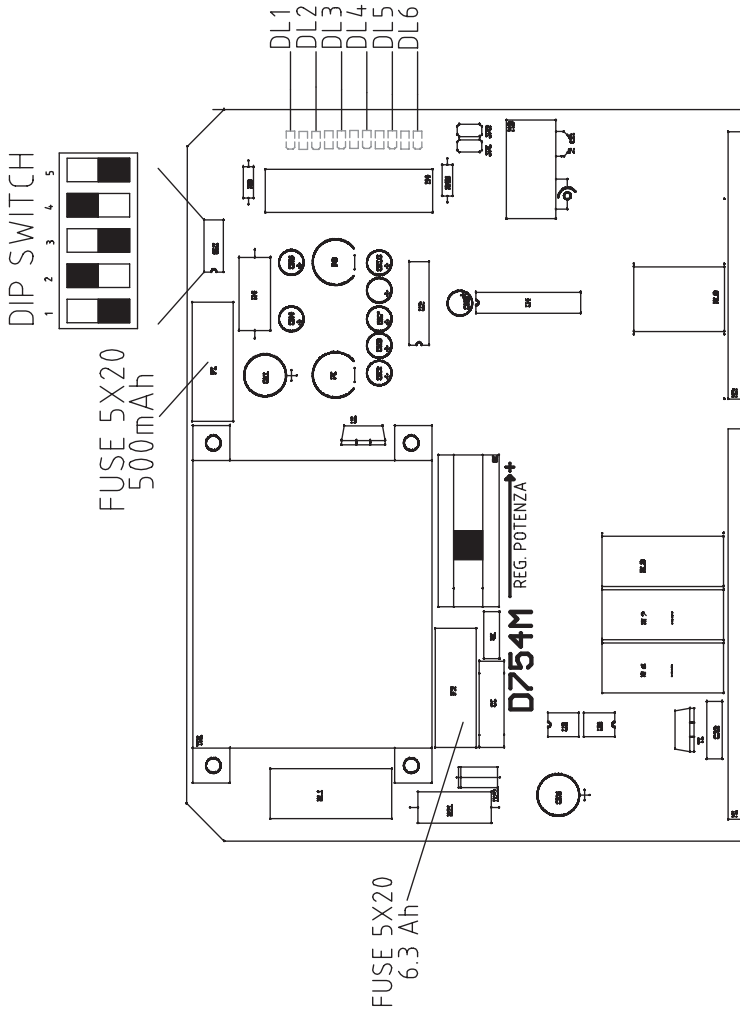
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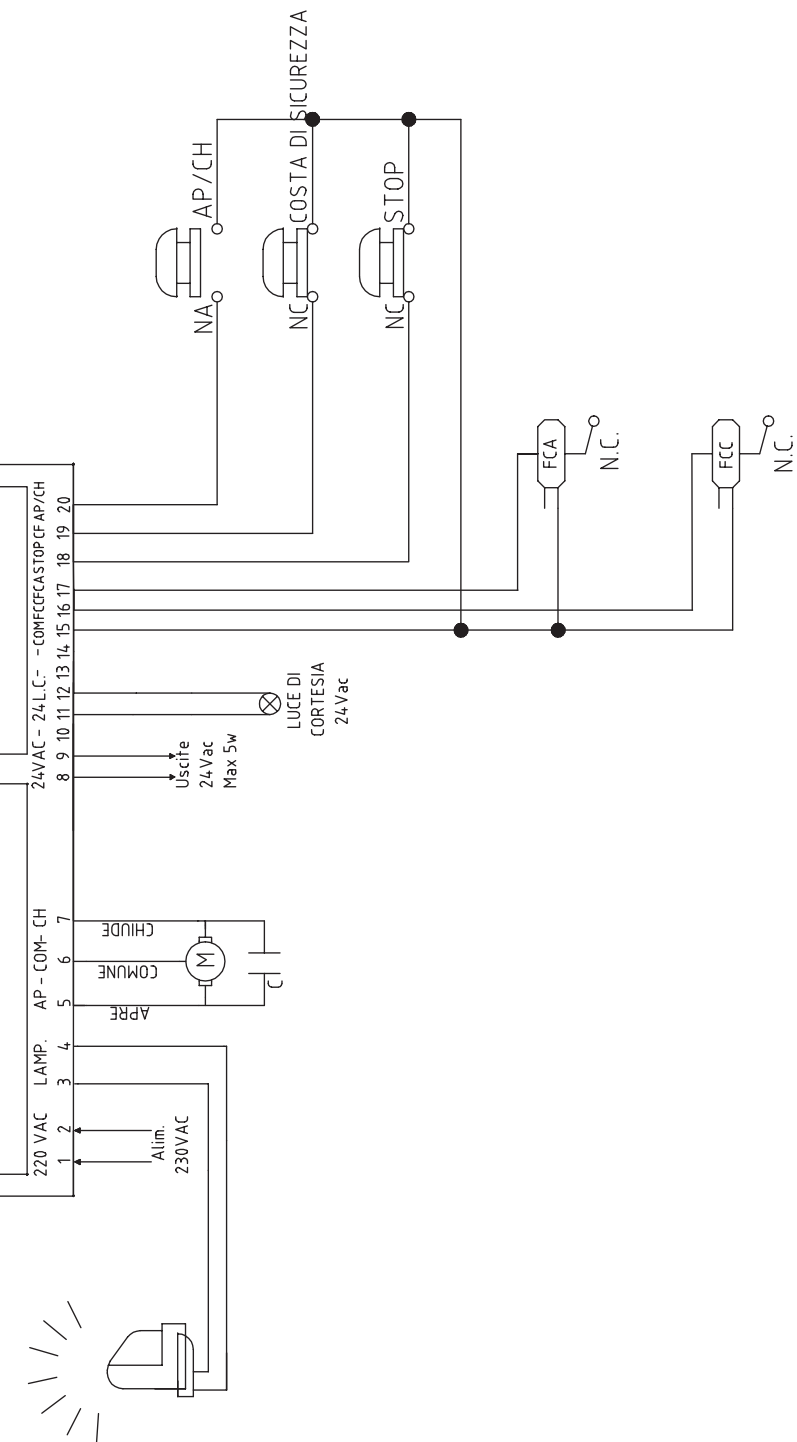
D754M

230 VAC SINGLE-PHASE MOTOR CONTROL BOARD



INSTALLATION GUIDE





GB THE EQUIPMENT MUST BE INSTALLED “EXPERTLY” BY QUALIFIED PERSONNEL AS REQUIRED BY LAW 46/90

N.B.: It is compulsory to earth the system and to observe the safety regulations that are in force in each country.

IF THESE ABOVE INSTRUCTION ARE NOT FOLLOWED IT COULD PREJUDICE THE PROPER WORKING ORDER OF THE EQUIPMENT AND CREATE HAZARDOUS SITUATIONS FOR PEOPLE. FOR THIS REASON THE “MANUFACTURER” DECLINES ALL RESPONSABILITY FOR ANY MALFUNCTIONING AND DAMAGES THUS RESULTING.

English

- MICROPROCESSOR-CONTROLLED LOGIC
- DIAGNOSTIC LEDES
- LINE INPUT PROTECTION WITH FUSE
- INCORPORATED ELECTRONIC TORQUE LIMITER
- ELECTRONIC PEAK LOAD CONTROL
- INCORPORATED FLASHING LIGHT
- CONNECTOR FOR RECEIVER BOARD

CONNECTION TO THE TERMINAL BOARD

- 1-2** power supply input 230 Vac 50Hz.
- 3-4** flashing light output 230 Vac 50W max. The signal delivered is already suitably modulated for use as it is. The flashing frequency is slightly faster during closing.
- 5-6-7** 230 Vac single-phase motor M1 output, 300 W max.
common = 6; opening = 5; closing = 7
connect the capacitor between terminals 5 and 7.
- 8-9** 24Vac,10W output for powering photocells, outside receivers, etc.
- 11-12** 24 Vac Max 3W output for powering aux relay for courtesy light. The light comes on when the maneuver starts and goes off after about 3 minutes.
- 15-16** Input for closing limit switch (normally-closed contact); 15 = COMMON
Input for opening limit switch (normally-closed contact); 15 = COMMON
- 15-18** input for STOP button (normally-closed contact); pressing this button causes the automation to stop.
The next command always triggers an opening cycle. 15 = COMMON
- 15-19** Input for pressure-sensitive edge (mechanical edge) or other safety and/or other devices (photocells, mechanical edges, etc.) 15 = COMMON
- 15-20** input for OPEN/CLOSE button (normally-open contact); for its use, refer to DIP switches 2 and 3, 15 = COMMON.
- 21-22** Input for aerial 21 = SIGNAL. 22 = EARTH.
- 23-24** output for 2nd RADIO CHANNEL

LOGIC ADJUSTMENTS TRIMMER

- T.L.** adjusts operating time: from 5 to 125 seconds.
- T.C.A.** adjusts automatic re-closing time; from 5 to 125 seconds (see dip switch nr.1)

LOGIC ADJUSTMENTS DIP-SWITCHES

N°1 **DISABLES AUTOMATIC RE-CLOSING:**

OFF: the automatic closing after opening is disabled.

ON: automatic timer-controlled re-closing enabled (adjustable with the trimmer T.C.A.).

N°2 **2- OR 4- STAGE OPERATION:**

ON: with the automation enabled, a series of opening and closing commands induces the shutter to perform an OPENING-CLOSING-OPENING-CLOSING type of sequence.

OFF: in the same conditions, the same set of commands induces the shutter to perform an OPENING STOPPING-CLOSING-STOPPING-OPENING-STOPPING type of cycle (step-by-step operation)

N°3 **NO REVERSE:**

OFF: during opening the automation ignores any closing commands.

ON: the automation's behavior depends on the position of dip switch 2.

N°4 **TIMER FUNCTION:**

OFF: a timer (e.g. weekly) can be connected to the input for the open/close button to have the gate open at certain times of day and enable its subsequent automatic closing again.

ON: the input for the open/close button continues to function normally.

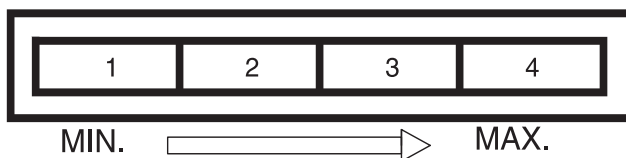
N°5 **PREFLASHING ON/OFF OPTION:**

OFF: flashing begins when the automation is enabled.

ON: flashing begins a few seconds before the automation is enabled.

POWER CONTROL

The power is adjusted by means of a control with four positions, ranging from 1 (minimum power) to 4 maximum power. This device is used to adjust the force of the operator directly from the control unit.



DIAGNOSTIC LEDS

The green leds indicate the presence of normally-closed contacts, so they will always remain on if there are no problems in the system. The red leds, on the other hand, indicate normally-open contacts so they only come on if they are in use (with the exception of led 1 which remains on to indicate that the circuit is powered).

| | |
|------------------|---|
| LED RED | L1= indicates the presence of the power supply 24 |
| LED GREEN | L2= Indicates the enabling of the input for the CLOSING LIMIT SWITCH |
| LED GREEN | L3= Indicates the enabling of the input for the OPENING LIMIT SWITCH |
| LED GREEN | L4= Indicates the enabling of the STOP command |
| LED GREEN | L5= Indicates the enabling of the input for the PRESSURE-SENSITIVE EDGE |
| LED RED | L6=indicates the enabling of the OPEN/CLOSE command |