



SEA
Sistemi elettronici
di Aperture Porte e Cancelli

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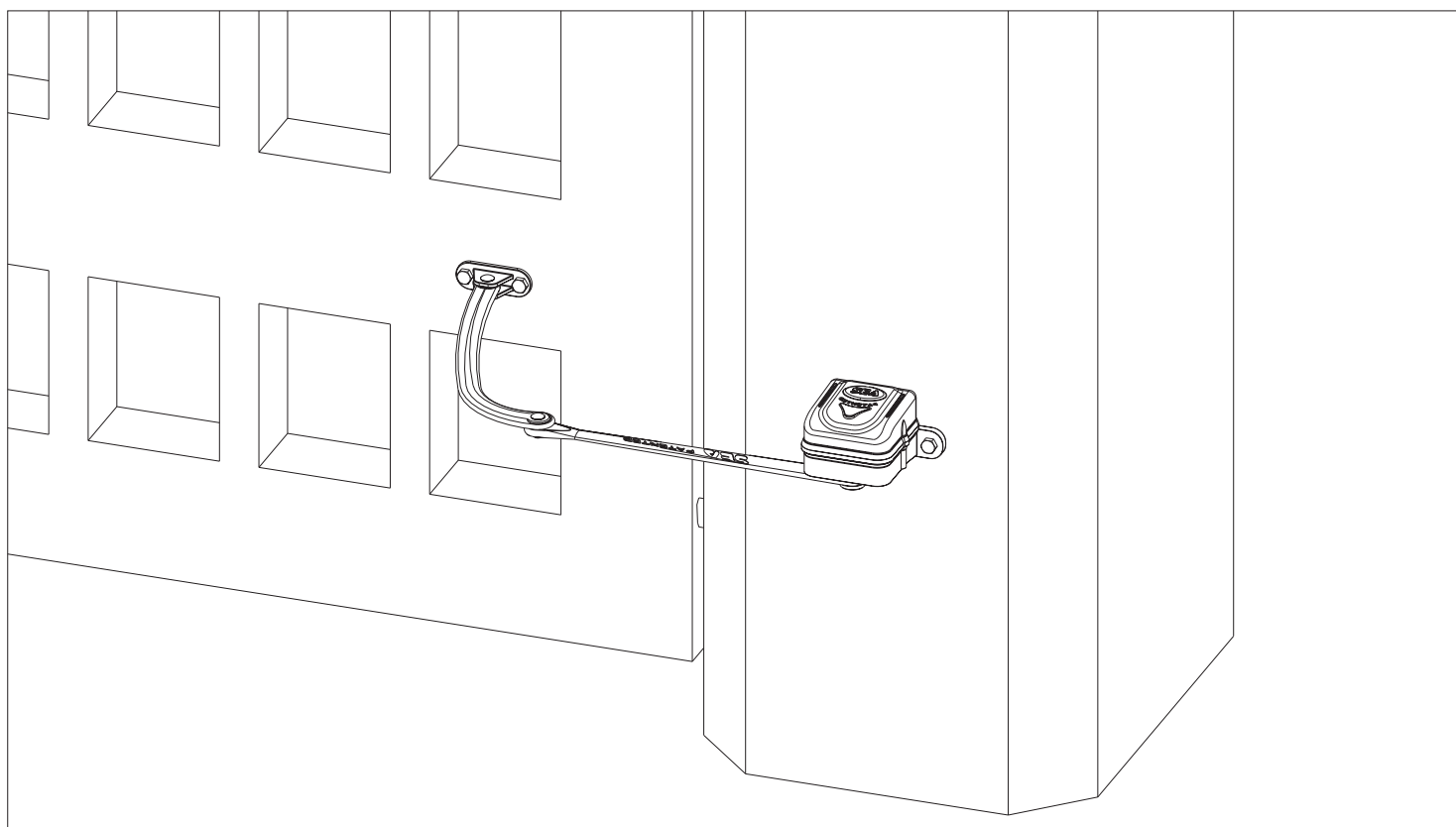
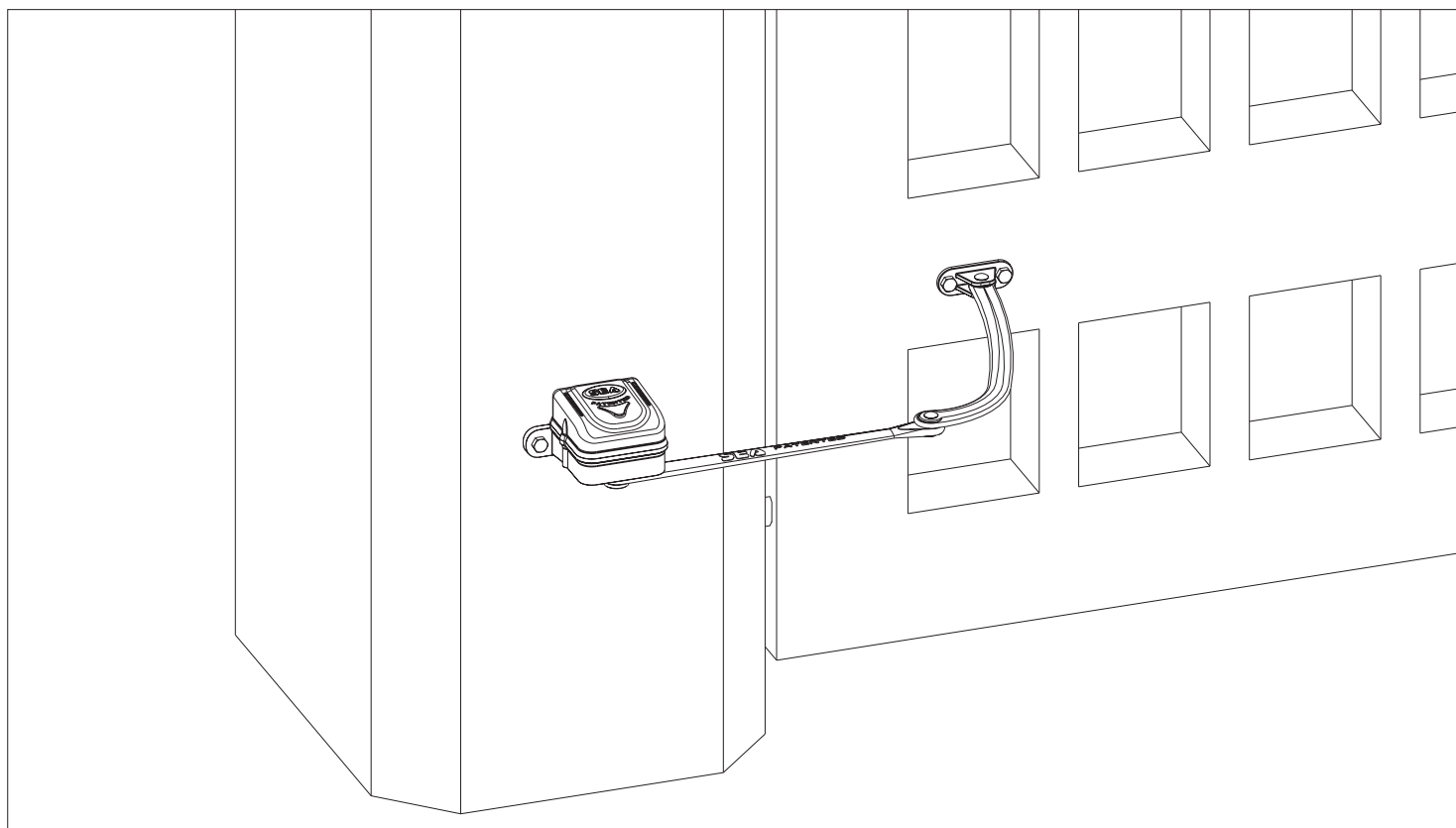
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SAFETY GATE

Cod. 23105335



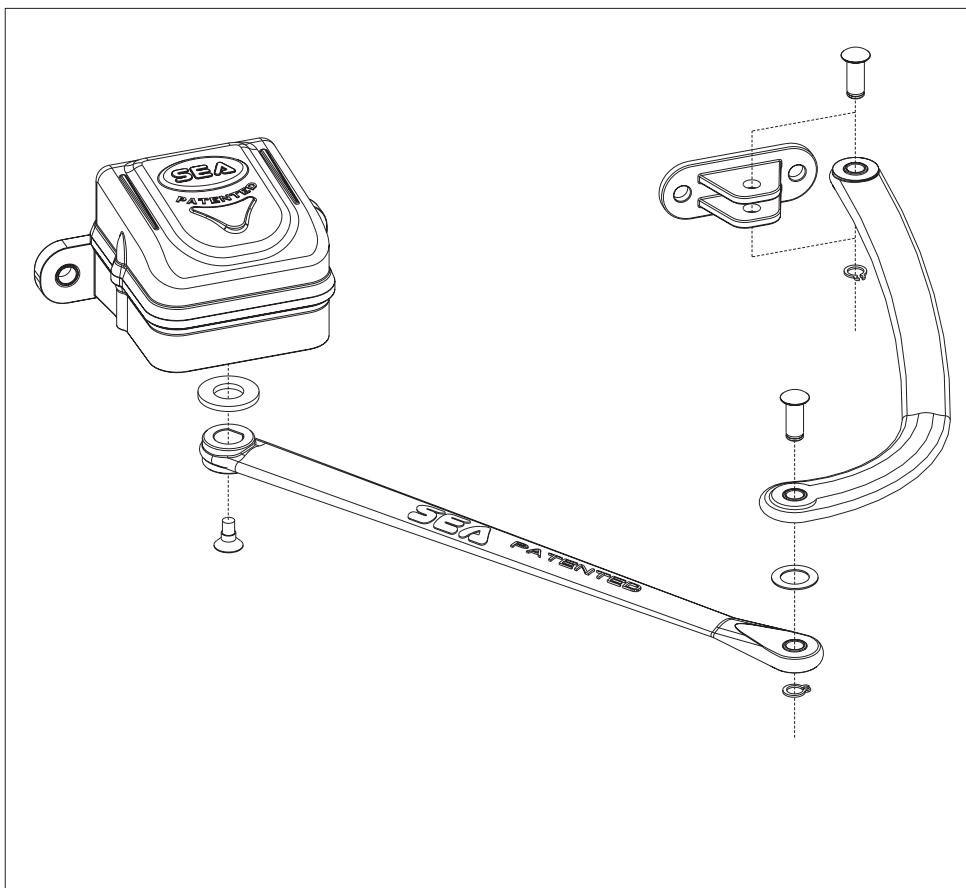


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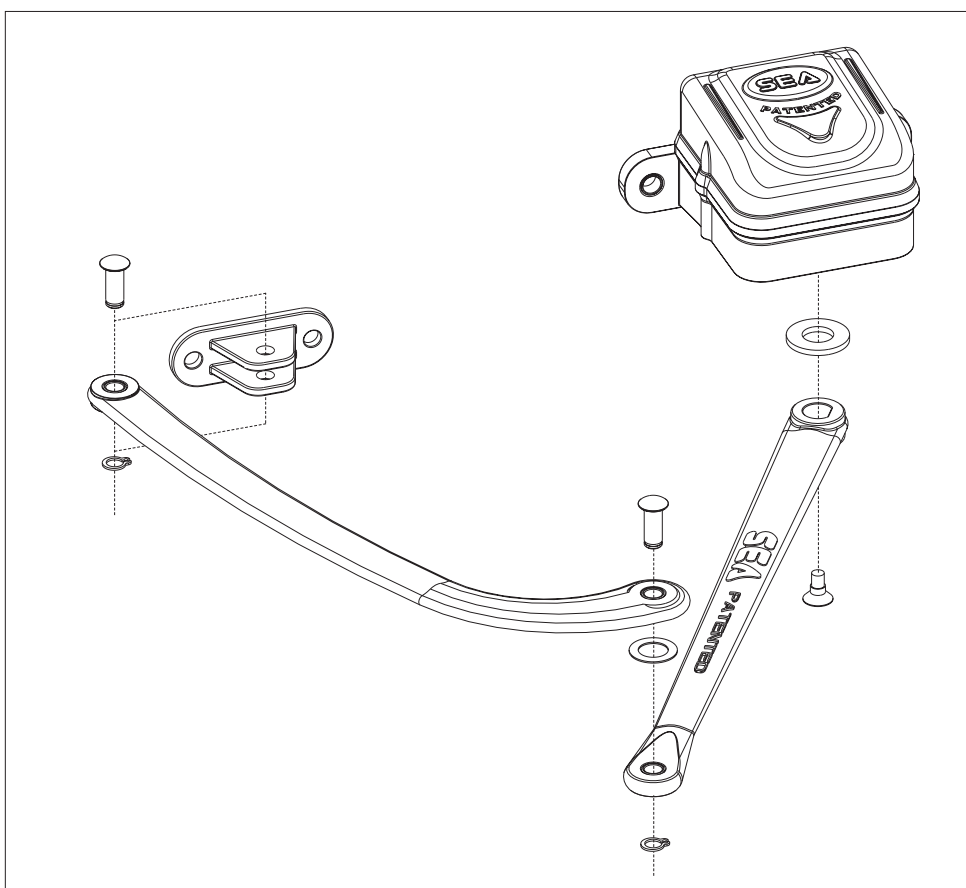
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Sinistro
Left
Gauche
Izquierda
Links



Destro
Right
Droite
Derecha
Rechts



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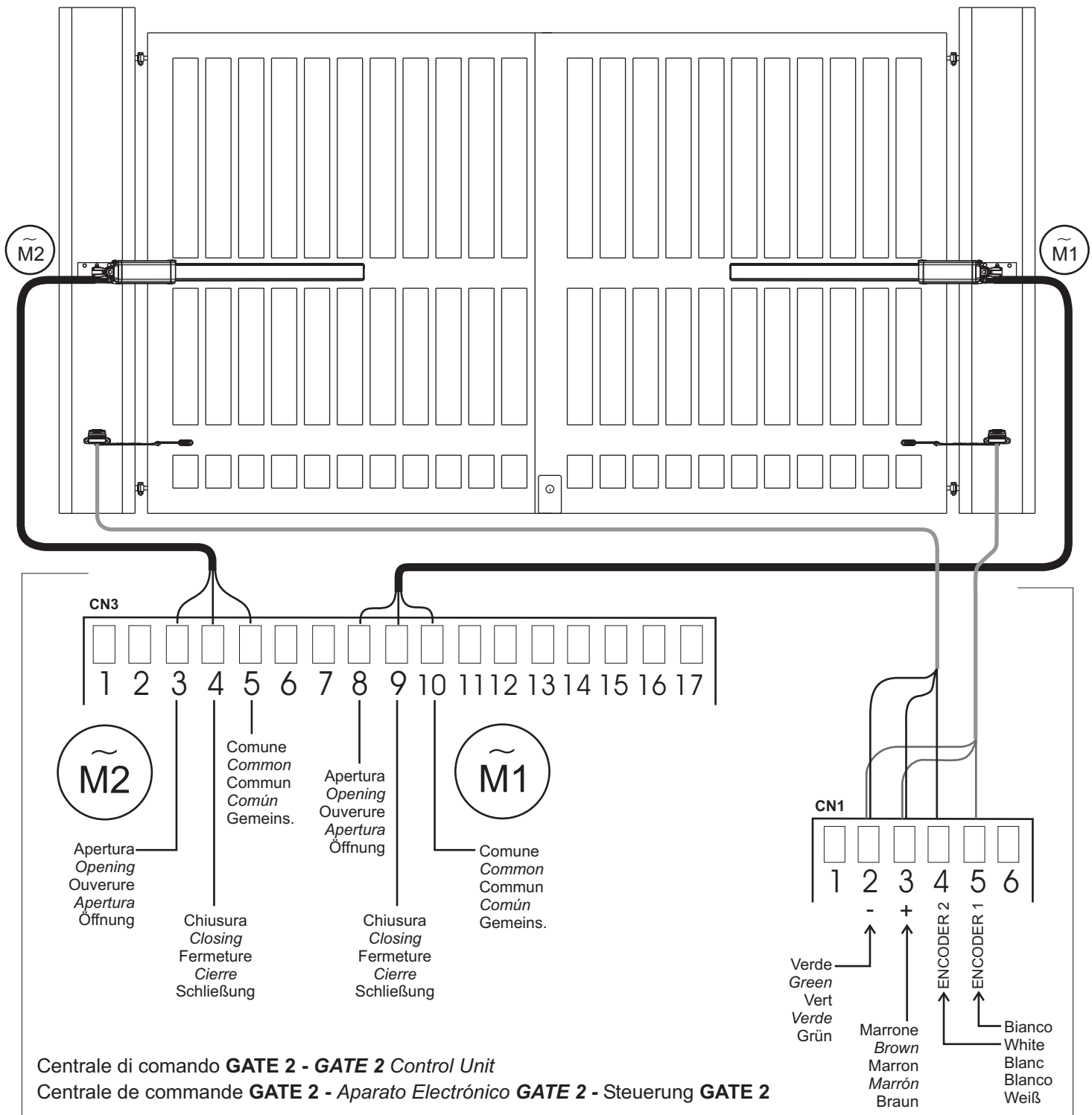
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CONNESSIONI - CONNECTIONS - RACCORDEMENTS - CONEXIÓNS - VERBINDUNGEN



Tenere separati i cavi di potenza (motori, alimentazioni) da quelli del SAFETY GATE. Per evitare interferenze è necessario prevedere ed utilizzare due guaine separate.

Keep the power cables (motors, power supplies) separate from the SAFETY GATE cables. It is necessary that two separate sheaths be used to avoid interference.

Éloignez les câbles de puissance (moteurs, alimentations) des câbles de SAFETY GATE. A fin d'éviter les interférences, l'utilisation de deux gaines séparées est nécessaire.

Tener separados los cables de potencia (motor, alimentaciones) de SAFETY GATE. Para evitar interferencias es necesario preveer y utilizar al menos dos váinas separadas.

Die Stromkabeln (Motoren, Stromzufuhr) von den SAFETY GATE Kabeln getrennt halten. Zur Vermeidung von Interferenzen, ist es gehörig, zwei getrennte Isolierhuelen zu verwenden.



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SET UP OF THE ENCODER MANAGEMENT - SAFETY GATE type

- Positioning DIP 8 on ON. (GATE 2 control unit)

1 STEP 1

Make all the electrical connections and jumpers on all the unused N.C. contacts (photocells, limit switches, etc).

If a geared motor equipped with a mechanical or hydraulic anti-crush safety device is being used, set the operating torque (trimmer Rv1) to the maximum value and then adjust the motor torque using the special by-pass valves or clutch adjustment screws located on the actuators.

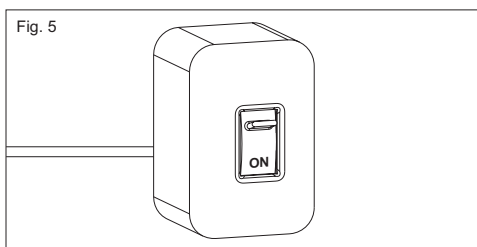
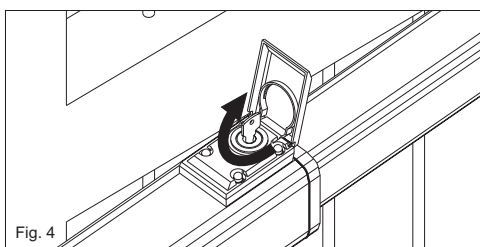
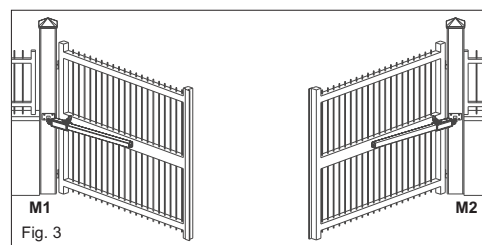
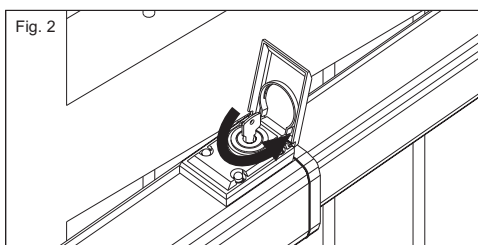
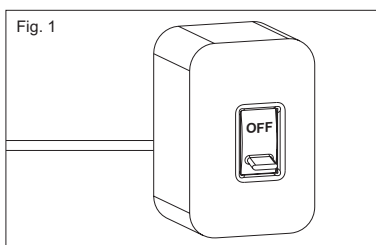
If a motor without a mechanical or hydraulic anti-crush safety system is being used, set the operating torque to the maximum value ONLY for the self-learning process. Immediately afterwards, set a torque value that will ensure anti-crush safety, in accordance with current legislation.

ATTENTION!

THIS PROCEDURE IS POTENTIALLY DANGEROUS AND MUST BE CARRIED OUT ONLY BY SPECIALIZED PERSONNEL, ADOPTING ALL SAFETY PRECAUTIONS.

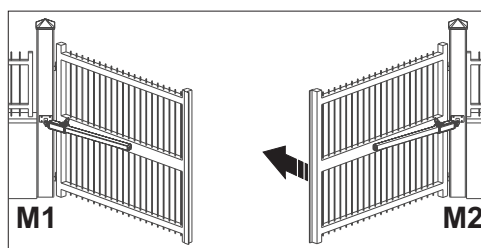
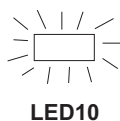
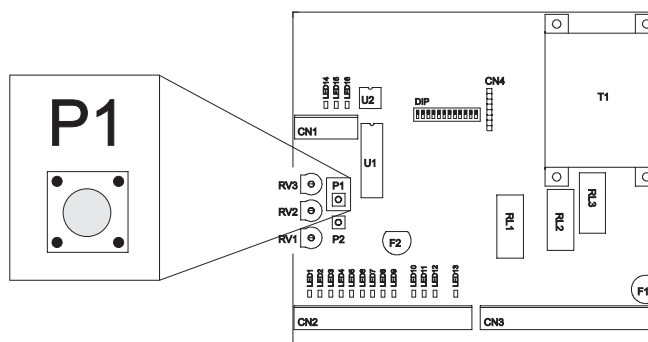
2 STEP 2

Disconnect the power supply (Fig. 1), release the gate (Fig. 2) and position the leaves in the half-open position (Fig. 3). Re-lock the motor (Fig. 4) and turn ON the power (Fig. 5).



- Press and Hold button P1 (LED 10 will come ON) until motor M2 will start to close the gate*.

Release P1.



- * If the motor start to open the gate, take OFF the power and reverse the motor phases. Make the same type of connection on motor M1 as well. Repeat the programming procedures (STEP 2).



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3

STEP 3

(from STEP 2) When the leaf reaches the closing mechanical stop, press button P1 (Fig. 6).

Motor M1 will also start a closing cycle.

When the gate reaches the closing mechanical stop, press P1 again (Fig. 7).

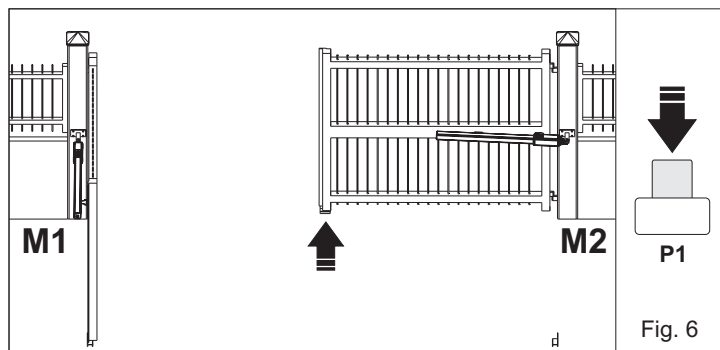


Fig. 6

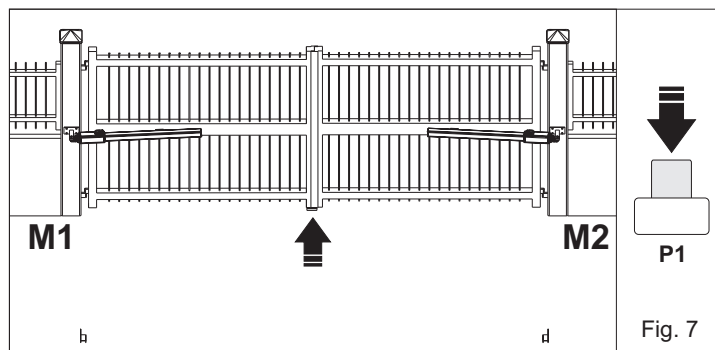


Fig. 7

The leaf stops and M1 starts an opening cycle.

After some seconds push P1 again to set the phase displacement in closing ONLY with DIP 4 OFF.

When the leaf reaches the opening mechanical stop, press P1 again (Fig. 8).

Motor M2 will also start an opening cycle. When it reaches the opening mechanical stop, press P1 again (Fig. 9).

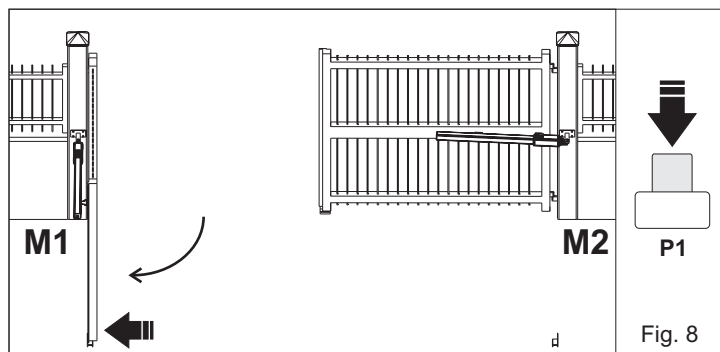


Fig. 8

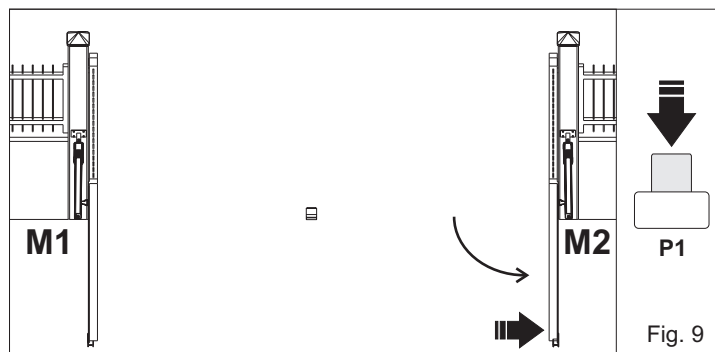


Fig. 9

Motor M2 will start a closing cycle automatically.

After some seconds push P1 again to set the phase displacement in closing ONLY with DIP 4 OFF.

When the leaf reaches the closing mechanical stop, press P1 again (Fig. 10).

At this point motor M1 will start a closing cycle.

When the closing mechanical stop is reached, press P1 again (Fig. 11).

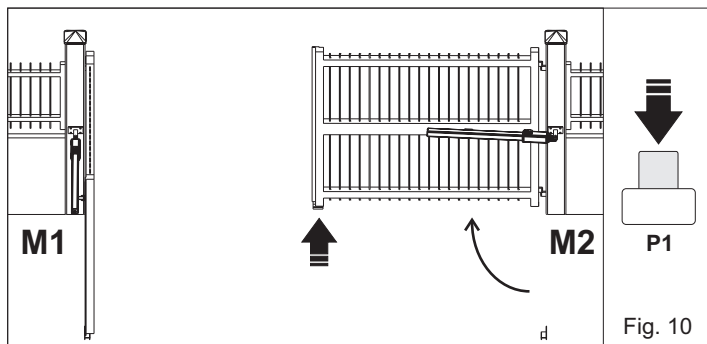


Fig. 10

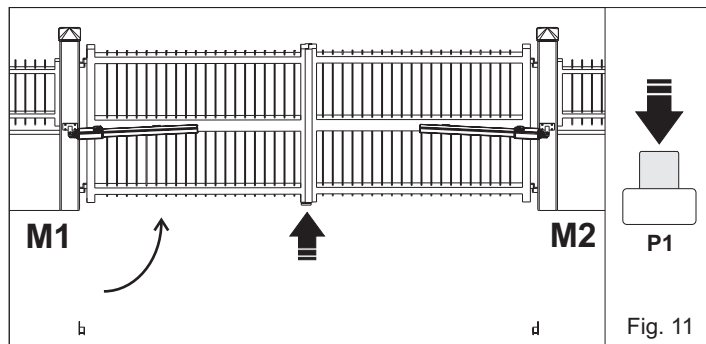


Fig. 11

When motor M1 reaches the closing mechanical Stop, press P1 for the last time.
Programming is completed.

Check that the times are saved properly by giving a START command or pressing button P1.

4

STEP 4

If used with a motor without a mechanical or hydraulic anti-crush safety device, adjust trimmer Rv1 to values that will ensure anti-crush safety, in accordance with current legislation.

If, after adjusting the operating torque, the operating time is insufficient (e.g. the leaf fails to open or close completely), repeat STEP 2 with the motor torque value set for the normal use of the system.

Adjust the slow-'down length (if enabled), using trimmer Rv2.

If necessary it is possible to exclude the SAFETY GATE managements placing dip 8 in OFF (See the instruction manual of the GATE 2 control board) without repeating the process of time self-learning.

IMPORTANT: the SAFETY GATE cannot be used with motors with hydraulic slow down not excludible.