The configuration of the control unit Rigel 4 with microprocessor is obtained by means of the Dip-switches.

**Dip-switch 1 Photocells (FCH)**

**ON** - Inhibits the operation of the photocell during the opening movement and immediately reverses the movement direction in the closing phase as soon as an obstacle is detected by the photocell.

**OFF** - When the photocell detects an obstacle and the gate is closing, the movement of the gate is immediately stopped; as soon as the obstacle has been removed, the gate opens. If an obstacle is detected by the photocell when the gate is opening, it stops immediately; as soon as the obstacle has been removed, the gate completes the opening stroke.

**Dip-switch 2 Impulse blocking device (IBL)**

**ON** - The start impulse has no effect on opening.

**OFF** - The start impulse on opening causes the stop of the gate (Dip 6 OFF) or the reverse (Dip 6 ON).

**Dip-switch 3 Automatic closing (TCA)**

**ON** - Carries out the automatic closing of the gate after a dwell time set on the TCA trimmer. The automatic closing is activated when: the gate reaches the opening end of stroke position, the working time on opening has elapsed, the gate is stopped during the opening phase by a start impulse.

**OFF** - Inhibits the automatic closing.

**Dip-switch 4 Ram blow (HAMMER)**

**ON** - Before opening the gate, it pushes for about 2 seconds on closing. This permits an easier release of the electric lock.

**OFF** - Inhibits the ram blow.

**Dip-switch 5 Motor 1 opening delay (DELAY OPEN)**

**ON** - Motor 1 starts with a delay of about 3 seconds on opening.

**OFF** - Motor 1 starts with a delay of about 0.5 seconds on opening.

**Dip-switch 6 2 or 4-step logic (2P/4P)**

**ON** - When a start impulse is given while the gate is moving, the movement direction will be inverted (2 step logic).

**OFF** - When a start impulse is given while the gate is moving, the gate will stop; a subsequent impulse will cause the inversion of the movement direction (4 step logic). Note: the start impulse has no effect when the Dip 2 is OFF during the opening phase.

**Dip-switch 7 Shadow loop management:**

**ON** - Shadow contact active when gate both open and closed.

**OFF** - Shadow contact active when gate open only.

**Dip-switch 8 Block persistence (BLOCK)**

**ON** - If the motors remain still in the complete opening or closing position for more than one hour, they are pushed for about 3 seconds in the end of stroke direction. This function is performed every hour.

**OFF** - Inhibits the block persistence function.

Note: In the case of oil-hydraulic motors, this function is used to compensate for any possible oil volume decrease due to a temperature decrease during long pauses (for example during the night) and to keep the grease slightly heated in all the electromechanical actuators for swing gates.

**WARNING:** Do not use this function for sliding gates or without appropriate mechanical blocks.

**Dip-switch 9 Reduced or standard working time range (S.TW)**

**ON** - Working time TW between 1, 40 seconds (TW.PED from 1 to 20 seconds).

**OFF** - Working time TW between 30, 180 seconds (TW.PED from 15 to 90 seconds).

**Dip-switch 10 Gate-open/close control (U.P.)**

Operates on the signals connected to the terminals 28-29.

**ON** - Hold-to-run operation: the manoeuvre lasts for as long as the control key is pressed.

**OFF** - Separate gate-open/close automatic control: one impulse opens the gate if closed and vice versa.

5) Functions controlled by the trimmers

**TW.PED Not Used**

**TW** Adjusts the working time both during opening and closing.

**TCA** Adjusts the dwell time after which the gate re-closes automatically.

**T.DELAY** Adjusts the delay time on closing of motor 2.