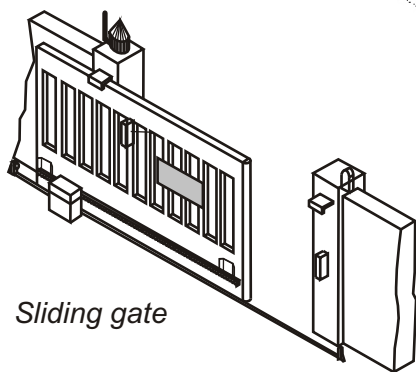
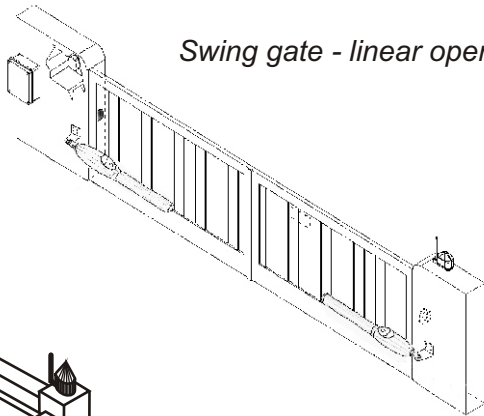




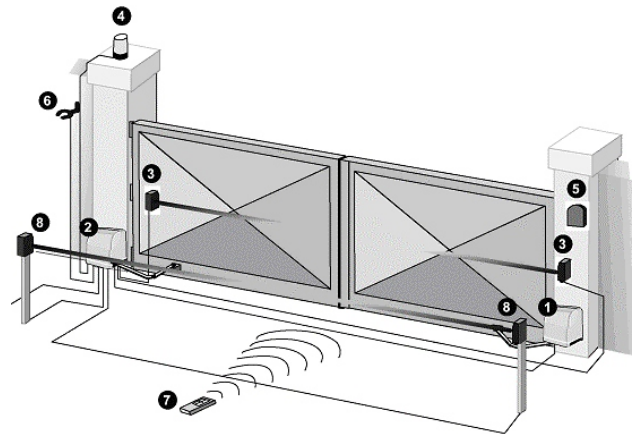
DIGIGATE KITS

The Intelligent Logic

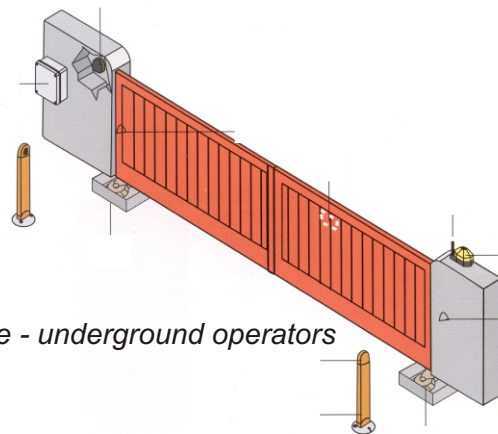
Swing gate - linear operators



Sliding gate



Swing gate - articulated arm operators



Swing gate - underground operators

DIGIGATE: MANY SOLUTIONS, SAME INTELLIGENT LOGIC

All DIGIGATE solutions are controlled by a common microprocessor based controller, and work according to the same operating logic.

The operating functions available make this product the right solution for almost any application. The «intelligent logic» of the controller matches all requirements of the application.

Very innovative, the motor employs a soft start-stop system with current sense. The set-up is very easy thanks to the dip-switch settings and the self-learning procedure.

The appliance is equipped with intrinsic safety, which self-adjusts the torque according to the absorbed current. If an obstacle is detected during travel, it stops, moves the gate back to release the obstacle and will wait for a command, or will reverse the motion.

Gate movement is adjusted with soft start and stop, near the open and close travel limits.

The gate open time is adjustable with a trimmer (up to 200 sec).

4 operating modes are available:

- ✎ direct control mode,
- ✎ semi-automatic (2 separate cycles for open and close),
- ✎ automatic with travel direction reverse at each command,
- ✎ automatic with stop at each command.

All peripheral devices are managed by the controller, each one according to its logic function.

The functions

All the functions and the operating modes are programmable by means of 6 dip-switches.
Test and obstacle detection sensitivity can be adjusted with additional 4 dip-switches



1 - Command Mode

Dip 1 = ON: Only open command active; during the pause, the open command extends the pause time

Dip 1 = OFF: Dynamic command; open/close/open/close or open/stop/close/stop according to the mode activated (automatic with stop or automatic without stop)

2 - Opening Jolt

Very useful when an electric lock is used. If the opening jolt function is enabled the open command begins with a small closing push of the gate which helps to release the lock, and then the gate will continue its cycle.

Dip 2 = ON: opening jolt disabled

Dip 2 = OFF: opening jolt enabled.

3 - Obstacle detection

During the opening phase if the gate detects an obstacle, it recloses at once.

During the closing phase, if the gate detects an obstacle, it moves back for few centimeters to set free the obstacle and then reverses the motion to open completely, or to stop and wait for a command.

Dip 3 = ON: stop waiting for a command

Dip 3 = OFF: open completely and then completes the cycle programmed.

4 - Function «Follow me»

After passing through the gate, when the infrared beam is restored, the pause time is cleared and the automatic re-closing is immediate.

This function is not compatible with Dip1 in the OFF position.

Dip 4 = ON: Follow me disabled

Dip 4 = OFF: Follow me enabled.

5 & #6 - Operating mode automatic-semiautomatic-manual operation

Dip 5 = ON: Automatic re-closing enabled (after pause time)

Dip 5 = OFF: Automatic reclosing disabled or Manual mode (if Dip6=OFF)

Dip 6 = ON: Automatic mode with reversing

Dip 6 = OFF: Automatic mode with stop

The combination Dip5 = OFF and Dip6 = OFF sets the device in Manual Mode.

7 - Test on re-open safety photocell

Digigate is programmed to carry out a preliminary test of the safety re-open photocells before enabling the open motion. If the test fails, the systems switches into Alarm Mode and the motion can only be driven in Manual Mode.

Dip 7 = ON: Test enabled

Dip 7 = OFF: Test disabled.

8 - Test on Stop safety photocell

Digigate is programmed to carry out a preliminary test of the safety stop photocells before enabling the open motion. If the test fails, the systems switches into Alarm Mode and the motion can be driven only in Manual Mode.

Dip 8 = ON: Test enabled

Dip 8 = OFF: Test disabled.

9 - 10 - Sensitivity for obstacle detection

Dip 9 and Dip 10 create 4 levels of obstacle sensitivity. The greatest sensitivity is reached with both the Dips in ON position.

DIGIGATE: provided I/O for any solution

INPUTS: External key selector(NO), Pedestrian button(NO), Stop command(NC), Re-open safety photocells(NC), Stop safety photocells(NC), 2 or 4 Travel limit switches (NC), Radio aerial (RG58)

OUTPUTS: 1 or 2 x 230Vac Asynchronous Motors, Warning light, Indicator light, Special power for safety photocells, Regular power for auxiliaries, Courtesy light, Electrolock (C-NO-NC) , Power for electrolock, 2nd radio channel.

For more information on the appliances, please refer to the appropriate Manual.