

MhouseKit WS2

Compact and elegant for swing gates, suitable also for large posts



Kit for automation of a residential two-leaf gate, each leaf measuring up to 2m in width and weighing up to 200kg

Especially suitable for gates made of wood or PVC



Easy installation with the Mhouse

ECSBus system: only two wires are required for polarity free connection of the main system components. The colour-coded terminals, each of which identifies a set, enable quick, error-proof connections. The aerial is integrated in the flashing light for greater protection. No welding is required for system installation

Compact and fast: WS2 is ideal for gates with very deep pillars, which can be easily operated thanks to its articulated arm. Its smooth and precise movements make it suitable for the most delicate gates

Precise: opening/closing mechanical stops

No waiting in front of the gate: only 10 seconds to open and close (in perfect installation conditions, making the most of the whole run and with a 90° opening)

“Plug 'n Play” connections very simple and quick, with easy identification of wires and terminals

Extra safe thanks to the low-voltage connections (24V), the safety accessories and the automatic obstacle detection feature

Auto-programming: WS2 automatically calculates the most suitable operating parameters for each gate

Autodiagnostic system

identifies and immediately signals any connection errors or malfunctions

Modular control card with integrated receiver

- 2 speeds
- Timed and adjustable automatic closing function
- Programming of new transmitters (up to 150)
- Adjustable partial opening function
- Pause time adjustment
- Obstacle sensitivity adjustment
- Automatic recognition of NC-NO-8.2K safety devices, if installed

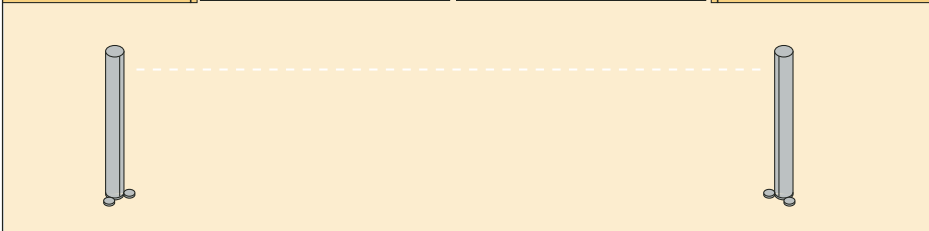
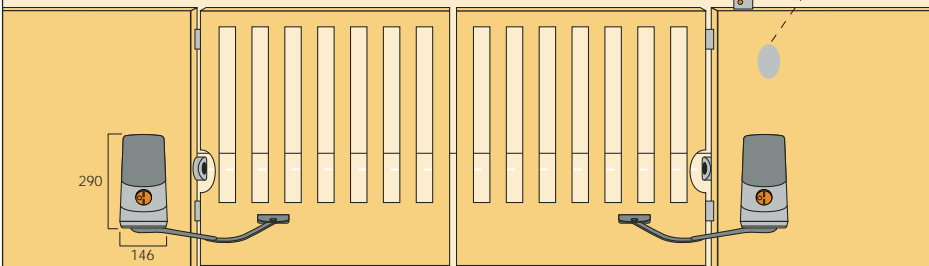
Quick motor release for manual gate operation

No black-out: the buffer batteries guarantee up to ten opening and closing manoeuvres even in the event of power outages (accessory)

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Installation



Connections

The gauges of the required power cables are specified on the technical literature (the length varies according to the installation layout)

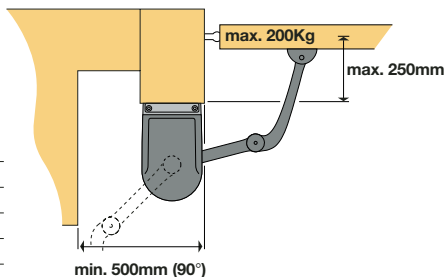
Verifications and setup

Make sure that adequate clearance is provided for arm movement

Operating limits

Max weight of leaf (kg)	200
Max length of leaf (m)	2
Max opening angle	110°
Max no. of manoeuvres/day	50*
Operating temperature (°C)	-20 ÷ +50

* opening + closing



1 Secure the motor on post using the mounting plate

2 Attach the arm to the gate using the appropriate bracket; observe the dimensions shown in the instructions

3 Install and connect all the system elements

4 Connect the wires with the terminals to the control unit and start the automatic programming function

5 The system is ready to receive your commands!



Each Kit WS2 contains:

1 WS1C Electromechanical gear motor with control unit for control of two motors with integrated 433.92MHz variable code receiver
1 WS1 Electromechanical gear motor without control unit

New curved anti-shear arms, three Mhouse release keys, opening and closing mechanical stop and mounting plates included



2 TX4 433.92MHz 4 buttons variable code transmitters



1 PH1 Pair of wall-mounted autosynchronized photocells



1 KS1 Two-position (open/stop) key-operated selector switch with pair of metal keys



1 FL1 Adjustable flashing light with incorporated aerial



Accessoires :

DS1 13-key digital switch with programmable code, via radio



EL1 12V electric lock interface



PT50 Two posts of 485mm high complete with a pair of premounted photocells
PT100 Two posts of 945mm high complete with two pairs of premounted photocells



PR1 24V buffer battery for emergency power supply

