

# MhouseKit WG20

The powerful solution featuring a simple and linear design for swing gates



Kit for the automation of a residential two-leaf gate, each leaf measuring up to 4m in width and weighing up to 400kg for leaf

#### Easy installation with the Mhouse

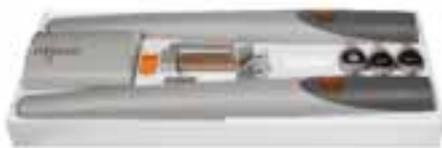
**ECSBus system:** only two wires are required for polarity free connection of the main system components. The colour-coded terminals, each of which identifies a set, enable quick, error-proof connections. The aerial is integrated in the flashing light for greater protection. No welding is required for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

**Noiseless and reliable:** body made of painted die-cast aluminium; mechanical parts made of metal

**Convenience: operation during power failures guaranteed** by the PR1 buffer batteries (optional) which are housed inside the control unit, and which can be connected using a convenient plug-in connector. Mhouse key-operated release device enables you to open and close the gate manually. Opening and closing mechanical stops

**Maximum safety** ensured by the low voltage connections and the automatic obstacle detection feature

**External modular control unit:** electronic board with integrated receiver and removable box to facilitate maintenance; transformer; compartment for PR1 buffer batteries (optional)



#### Control unit function selection:

**2 speeds:** slow for heavy gates, slow or fast for lighter gates  
**Automatic timed closing** of the gate after each opening manoeuvre, or closing manoeuvre commanded only by the transmitter or key-operated selector switch.  
**New transmitters can also be fitted** (those included in the kit are pre-memorized)

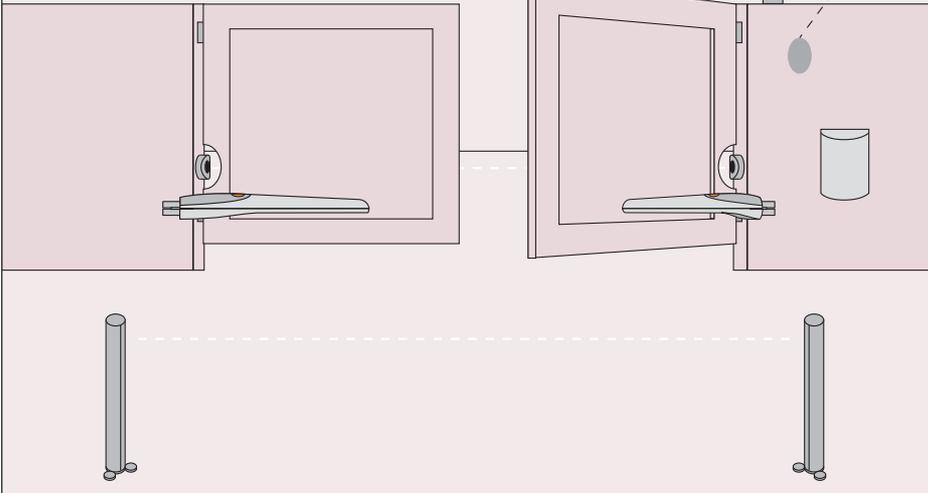
#### Transmitter function selection:

**Partial opening** of gate, to restrict passage to pedestrians and bicycles  
**Adjustment of pause time** before the automatic closing starts  
**Adjustment of sensitivity to obstacles** detected along the path of the gate before the movement is reversed

**mhouse**  
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# Installation



**1** Mount the brackets on the gate, observing the dimensions shown in the instructions

**2** Secure the motors to the gate

**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!



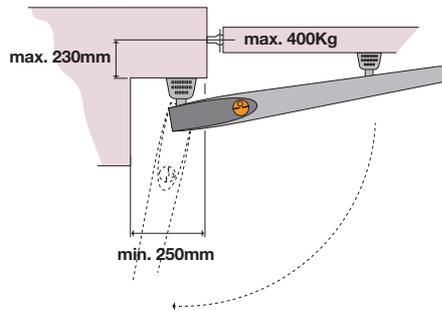
## Connections

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

## Operating limits

Max weight of leaf (kg)	400
Max length of leaf (m)	4
Max leaf opening angle	130°
Max no. of manoeuvres/day	50*
Operating temperature (°C)	-20 ÷ +50

\*opening + closing



## Each Kit WG20 contains:

**2 WG10** Electromechanical worm gear motor with three Mhouse release keys and adjustable mounting brackets 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



**1 CL2** External control unit for control of two WG10 series electromechanical gear motors with integrated 433.92MHz variable code receiver.



## Accessories:

**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

