

Research And Development In Opening Gates Ltd
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To Supply and install automatic sliding gate, with remote controls, safety beams, with GSM switch to allow opening by phone. And two fixed side panels to match with inbuilt pedestrian gate.

- 2 100mm x 100mm x 2500mm steel posts to define new opening with pointy square tops.
- 1 H-Frame to act as motor platform and inner roller supports. 1 birdmouth catching bracket on closing side.
- 10 mtrs ground track convex, to avoid debris ingress. 1 bird mouth catching post with brackets.
- Under over roller to locate with internal inverted angle to avoid rubbing marks on outside face of gates.

1 Flat topped sliding gate, constructed using 50mmx50mm RHS outer frame section and with composite boards verticals, frame all black Sliding gate approx 5000mm wide gap (gate actually 5500mm to allow for motor overlap) x 1950mm high, gate opening right when viewed from outside.

1 left hand hung flat topped pedestrian gate for inwards opening and to have adjustable hinge eyes to ensure constant square and level hanging on two welded hooks on vertical within left side fixed panel, and with key lock and handles and lock keep.

2 Fixed panels constructed using 50mmx50mm RHS outer frame section and with composite boards verticals, frames all black As sample left .. Approx 2300mm wide x 1950mm high approx .

2 80mmx80mm x 2500 side fencing posts to support fixed panels at hedging end.

1 two wheeled chassis approx 5500mm x 100mm x 50mm with two bearing wheels.

1 inverted angle internal rub strip to locate upper roller and to avoid nasty rubbing marks on outside face of gate

6 mtrs toothed rack for locating on motor pinions.

1 Electric sliding gate motor, incorporating pinion star wheel (mod4) and low voltage outputs for accessories and amperometric safety force control and manual release keys in the event of power failure.

Radio receiver and three (3) remotes (extras available at £27 each, delivered and programmed, +vat)

1 Pair of safety beams on gateway to prevent gates closing on vehicles still on threshold of entrance.

1 wireless doorbell external surface mounted press button for visitors to press causing in-house Chime and which then would alert occupant to unexpected visitor, and can use remote control to open the gate.

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1 gsm switch system allowing for gate to be opened by up to 20 authorised mobile phone users which can be added or deleted by the gate owner by using text message to the gate sim card. There will be an initial £20 credit applied to the installed sim card which, as it makes no outgoing calls, merely received calls, from others (at no cost to them as the call is dropped immediately it opens the gate relay) it will not need topping up very often. It sends a text every thirty days to ensure that it does not become dormant on the network.

Installation Details

Quote assumes 240 volt 13amps, mains power will be supplied to left of entrance looking in.

Installation materials to include... Sand gravel cement, diamond blade disc cutting consumables, steel wire armoured cable, low voltage cable, alkathene pipe cable protection, black external weatherproof housing for mains terminations, double socket, cable, glands and shrouds, cleats ties and saddle clamps weatherproof jointing boxes, terminal strip connectors, disc grinding and welding equipment, touch up black paint.

Installation in three stages...

Stage 1 Civil Engineering... WORKING IN CONJUNCTION WITH CHRIS WHEN TAKING OUT OLD FENCING GATES AND POSTS. Diamond blade across entrance and dig out for H-Frame and ground track and cable in for motor and all cables around gateway and

back to mains connection, establish precise gate line and set ground track and support posts in concrete then take precise pin to pin dimensions for completion of manufacture of new gates. Set in steel legs behind fixed panel to support weatherproof housing for control equipment. Set in all supporting posts .

Booked AS STRAIGHT THROUGH JOB ...week commencing 24th October provisionally

Stage 2...Mechanical engineering.Deliver new gates and panels approx 1420 kilograms and mount new sliding gate on track, weld on upper rollers and weld in necessary stops and guides. Mount motor on pre determined level base plates and weld on toothed racks to locate with motor pinion. Ensure sliding gate runs freely and smoothly.

Hang pedestrian gate and ensure swings smoothly and locks efficiently from both outside and inside. Fix side panels.

Stage 3..Electrical engineering...wire in all devices, including, mains sockets, electronic control panel, radio receiver, safety beams, wireless doorbell, and power up to then set all parameters including gate force, auto close timer, radio remote controls, remote range. Commission to full working order.

Fully installed and guaranteed

On completion time must be set aside to allow for demonstrating and training the users in all aspects of the automatic gate to ensure that they are fully conversant with all methods of switching and what to do in the event of mains failure. After which a fully completed installation is handed over. Within one month of completion we will send out the written "Guide to your Electric Gates" which will not only contain photographs of your specific gates but will re-iterate all of the instructions given during the verbal handover demonstration.