

AUTO CLOSE

Accessory Fitting Instructions

This document contains the instructions for the Auto Close accessory system designed for use with all DG1 gates.

INFORMATION YOU MUST TAKE HEED OF

- When fitting this accessory disconnect the battery prior to starting.
- The wires are colour coded and wires should only be fixed to wires of the same colour.
- The blue wire is the earth wire and should be connected first to its opposite blue wire.
- Double check all terminals have been properly tightened and hold the wire properly. Double check all wires match the same colour wire they are connected to.

WHEN THE POWER IS TURNED ON ENSURE NEITHER YOU NOR ANYTHING ELSE IS WITHIN 3.5 METRES OF THE SENSOR BEAM. SEE NOTE 3.0

WHAT YOUR DELIVERY CONTAINS

The box contains two Diffuse IR sensors each attached to a 20mm carbon fibre tube each with a two metre 4 core cable

One IR back plate attachment with fixings

ASSISTANCE – please see our website under the useful info section for video instruction of fitting your Dofygate.

SAFETY INFORMATION

General Warnings and Precautions



Do not remove the plastic covers from the gate arm unless the gate is turned off



Do not remove the gate from the gate holder unless the gate has been turned off.



Do not remove or change the battery unless the gate has been turned off.



Do not connect the battery to a mains charger while the battery is connected to the gate



If **horses** are to pass through the gate such that the gate is opened in front of the horse then the horse should be kept back from but in view of the gate the first time it comes across the gate. Once introduced the horse will treat the gate as any other everyday object.

Environmental conditions that may affect use

Temperature – The accessory is suitable for temperatures in the range of -15 deg C to 40 deg C. In frosty conditions where ice has formed on the sensor the gate may not close or may close after a longer than normal delay. In either case normal operation is resumed if the sensor face is wiped,

Rainfall – Heavy rain may cause the IR to think it sees an obstruction in which case the gate may not close or may close after a longer than normal delay. In either case normal operation is resumed if the sensor face is wiped.

Wind – Wind will not affect this product nor change the way the gate BEHAVES.

Sunshine – All exterior components are UV stabilised or unaffected by sunshine. If the sensor is positioned so that it points directly towards the sun then the sensor will activate and prevent closure. In this case twist the sensor slightly to avoid this situation.

Contents

These are the Original Instructions for Dofygate DG1 Unit intended for use in retaining stock within a stock yard or within field. Or controlling traffic entering a property.

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1.0 Assistance Information

Sales 01522 500600
Technical help 01603 493102
Out of hours help 07785 352730
E Mail admin@dofygate.co.uk

For operational information including tuning in fobs or pairing gates then please try our web page www.dofygate.co.uk and go to 'useful information' tab.

Dofygate Ltd is located at Manor Farm,
Calthorpe,
Norwich.
NR11 7QR

2.0 Other Accessories

- Extra fob – Can be tuned in to any gate
- Extra post fixing – allows the gate to be relocated easily
- Energiser for stock control
- 4 bar height extension – necessary to contain animals
- Battery – 7.0 amp hour lead acid AGM Gel battery
- Charger – 700ma
- Automatic closing – uses 2 infra red sensors to safely close the gate automatically following an open command from a fob or other device
- Call 2 Open – Must be used with auto close
- Keypad – Must be used with auto close
- Auto open – gate responds to vehicle stopped near device.
- Timed closure.

3.0 Assembly instructions.

The object is to have the sensors either side of the gateway and at different heights. This ensures that a part of a vehicle will always be seen by one sensor as the vehicle passes through. Since the gates communicate then only one sensor needs to see something to prevent inappropriate closure.

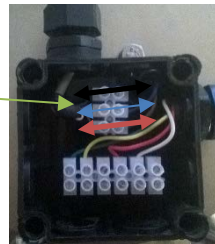
Sensor 1

Take one of the two sensors attached to the 20mm carbon fibre tube and fit the tube to the gate post on the opposite side to the Dofygate with the tube vertically and using the aluminium clamp to fix with the screw supplied.



Take the lead to the cabinet, open the Wiska junction box by twisting each of the corner fixings anti clockwise $\frac{1}{4}$ turn with a slot head screwdriver. The box corner fixing is marked so the arrow should face the '0'.

Cut the appropriate gland entry point seal and screw in the cable gland. Feed cable through and attach the brown, blue and black wires to the same coloured wires in the 3 way terminal block. Tighten gland, re-attach box lid and close by twisting the corner fixings $\frac{1}{4}$ turn clockwise so the arrow faces the 'I'. (to make this easier you can pull the 3 way terminal block free of its securing pegs)



Sensor 2 on the other gate unit of the pair

Open the Wiska junction box by twisting each of the corner fixings anti clockwise $\frac{1}{4}$ turn with a slot head screwdriver. The box corner fixing is marked so the arrow should face the '0'.

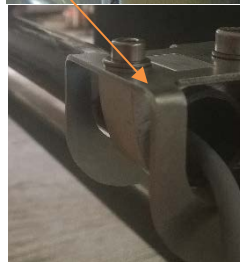
Cut the top gland entry point seal and screw in the cable gland. (In this instance leave the cable gland nut attached to act as a spacer so the gland does not intrude into the Wiska box).

Feed cable through and attach the brown, blue and black wires to the same coloured wires in the 3 way terminal block. Tighten gland, re-attach box lid and close by twisting the corner fixings $\frac{1}{4}$ turn clockwise so the arrow faces the '1'.

Remove the two button head screws indicated in picture. Take the back plate attachment and fix to the back plate using the button head screws and tighten.



Push the 20mm carbon fibre tube through the aluminium clamp facing at the end of the back plate attachment. Tighten the aluminium clamp onto the tube.



EITHER

With 5 metre width extensions the cabinet should be facing the post so the tube should be pointing away from the post to bring the IR sensor around the gate arms and provide a sensor on that side of the gate.



OR

With a standard gate or with a gate with height extensions then the cabinet should be facing away from the post so the tube should be pointing away from the post to bring the sensor around the cabinet and provide a sensor on the cabinet door side of the gate.



Sensitivity.

The sensors have their greatest range when pointing at right angles to the direction of traffic. To avoid reflection from the gate cabinet door and to avoid reflection from the other side of the drive it is usually best to angle the sensor slightly away from the gate. This will provide a little more 'notice' to the gate of an approaching second vehicle.

Where the sensors are opposite a reflective when wet surface then they should be angled slightly towards oncoming traffic.

Excess cable can either be tucked up inside the back plate attachment or collected in a loop and fixed to the post. The cables can be cut to length once the gate has been operated for a short time.

PLEASE NOTE

WHEN YOU TURN THE GATE ON THE DOFYGATE WILL RECOGNISE THE SENSOR AND MOVE TO AUTO MODE. IF YOU ARE STANDING IN FRONT OF THE SENSOR OR THERE IS AN OBJECT WITHIN RANGE OF THE SENSOR WHEN YOU TURN THE GATE ON THEN IT WILL NOT MOVE INTO AUTO MODE. TO FIX THIS REMOVE YOURSELF OR THE OBJECT FROM THE SENSOR LINE OF SITE TURN THE GATE OFF THEN ON AGAIN.

ALWAYS CHECK BOTH SENSORS ARE WORKING AFTER THE GATE IS TURNED ON. OPEN GATE WAIT FOR IT TO CLOSE AUTOMATICALLY THEN WAVE YOUR HAND INFRON OF EACH SENSOR. BOTH GATES SHOULD REVERSE FOR EACH SENSOR.

4.0 Disposal

This accessory contains wiring and plastics. As a unit it should be disposed of as an electrical item. The item should not be disposed of with general waste.