

GlasStile GSS

Installation Operation and Maintenance Manual

Contents

	Page
SECTION 1 INTRODUCTION	5
• <i>General</i>	5
• <i>Electrical Warnings</i>	5
• <i>Mechanical Warnings</i>	5
• <i>Errors</i>	5
• <i>Proprietary Notices</i>	5
• <i>Rotating Machinery</i>	6
• <i>Warnings, Cautions and Notes</i>	6
• <i>Static Sensitive Devices</i>	6
• <i>Good Practices</i>	6
• <i>Risk Assessment</i>	7
• <i>CE - Marking</i>	8
SECTION 2 PRODUCT DESCRIPTION	9
• <i>Product Description</i>	9
• <i>Technical Specification</i>	10
SECTION 3 INSTRUCTIONS FOR USE	11
• <i>Starting the GlasStile GSS</i>	11
• <i>Reception Control Pass Left/Right (Option)</i>	11
• <i>Operating Modes</i>	12
• <i>Reset</i>	12
• <i>Remote Push Button Activation (Optional)</i>	12
• <i>Safety</i>	12
• <i>Blocking the GlasStile GSS</i>	12
• <i>Power Failure</i>	12
• <i>Fire Alarm</i>	12
SECTION 4 TECHNICAL INFORMATION	13
• <i>Technical Information</i>	13
• <i>Material Finishes</i>	13
• <i>Flexibility of Design</i>	13
• <i>Standard Dimensions</i>	14
• <i>Component Location</i>	15
SECTION 5 INSTALLATION	16
• <i>Unpacking</i>	16
• <i>Tools Required</i>	16
• <i>Site Preparation</i>	16
• <i>Installation Kit</i>	16
• <i>Installation Routines</i>	17
• <i>Power Supply and Cables</i>	20
• <i>Customer Connections</i>	23
• <i>Programming the Wing 'Home Position'</i>	25
• <i>Testing after Installation</i>	25
• <i>Programming Options</i>	26

SECTION 6 MAINTENANCE	27
• <i>General Care</i>	27
• <i>Brake Adjustment</i>	29
• <i>Encoder Replacement</i>	29
• <i>Replacing the Control Card</i>	29
• <i>Trouble Shooting</i>	29
SECTION 7 SPARE PARTS	31
• <i>Recommended Spare Parts</i>	31
SECTION 8 DECLARATION OF CONFORMITY	32

Section 1

Introduction

General

Please read this manual carefully, it contains information that will assist you with all aspects of installation and maintenance, including unpacking. Correct installation & Maintenance will ensure smooth functionality and increase the lifespan of components.

Gunnebo Entrance Control Ltd makes every effort to ensure that this manual is reviewed whenever significant changes are made to the design. However, our policy of continuous improvement may result in some small differences between the unit supplied and the description in this document.

Enquiries in this respect should, in the first instance, be directed to our Technical Department.
Telephone +44 (0) 1825 746105, Fax +44 (0) 1825 763835, or alternatively E-mail
turnsupport@gunnebo.com

Electrical Warnings

The electrical power used in this equipment is at a voltage high enough to endanger life. Before carrying out maintenance or repair, you must ensure that the equipment is isolated from the electrical supply and tests made to verify that the isolation is complete.

When the supply cannot be disconnected, functional testing, maintenance and repair of the electrical units is to be undertaken only by persons fully aware of the danger involved and who have taken adequate precautions and training.

Mechanical Warnings

Safety systems and controls, such as interlocks, covers and guards, must not be overridden or by passed by personnel other than authorised staff who are qualified to carry out prescribed actions within specified Warnings.

Only trained individuals should work on the unit as it has many moving parts and there is a possibility of serious injury

Errors

Reports on errors, comments and suggestions concerning this manual are requested and encouraged. They should be submitted to:
Technical Department, Gunnebo Entrance Control Ltd, Bellbrook Business Park, Uckfield, East Sussex, TN22 1QQ, UK.
Telephone +44 (0)1825 746105, Fax +44 (0)1825 763835 or alternatively E-mail
turnsupport@gunnebo.com

Proprietary Notices

All data appearing herein is of a proprietary nature, with exclusive title to it held by Gunnebo. The possession of this Manual and the use of the information are therefore restricted only to those persons duly authorised by Gunnebo.

Do not reproduce, transcribe, store in a retrieval system or translate into any human or computer language, any part of this Manual without prior permission of Gunnebo.

Hardware Changes

No hardware changes may be made without authority from Gunnebo who will be responsible for ensuring that the proposed change is acceptable in all safety aspects. Personnel authorised by Gunnebo may only make hardware changes.



Any maintenance or modification of Emergency Stop and Guarding Circuitry must be followed by safety checks on the whole hardwired Emergency Stop and Guarding Circuitry.

Prior to a hardware change, records must be made of the change, one of which **MUST** be sent to the Technical Department at Gunnebo.

Rotating Machinery

Rotating industrial machinery may possess huge amounts of stored energy. On no account must you commence maintenance if you do not fully understand what you are doing and/or have not taken all the safety precautions normally associated with industrial electronic control systems and machines.

Before starting to work on the equipment, please make yourself familiar with all the associated blocks in the system, including control loops, mechanics, drives, transducers and electrics. Please read all the Manuals of the equipment you are unfamiliar with first.

Warnings, Cautions and Notes

Where necessary within the technical manual, Warnings, Cautions and Notes may be given.

Warnings

Are for conditions that might endanger people. The instructions given in Warnings must be followed precisely. They are given to avoid injury or death.

Cautions

Are for conditions that may cause damage to equipment, or may spoil work. The instructions given in Cautions must be followed to avoid spoilt work or damage to equipment.

Notes

Alert the user to pertinent facts and conditions.

Static Sensitive Devices

Some of the PCB's in the equipment covered by this Technical Manual contain Static Sensitive Devices. It is recommended that maintenance and service engineers are fully aware of the Local Industry Regulations and procedures when handling such devices.

Good Practices

Equipment being installed must not be left unattended unless all potential mechanical and electrical hazards have been made safe. A competent person must be left in charge when the equipment is to be left while potentially unsafe.

The following points indicate good practice that will contribute to safety and avoid equipment damage.

- i Ensure that all electrical power supplies are turned OFF and disconnected before working on any of the equipment.
- ii Never leave the equipment in a potentially dangerous state.
- iii Use only the correct tools for the task in hand.
- iv When working on the equipment, remove any personal jewellery that may be conductive, or clothing that may become entangled with mechanical parts.



Rating 8: Floor Drilling

Who is at Risk	Installation Engineer
Hazard	Flying Debris and Noise
Current Controls	Protective Equipment <u>must</u> be worn

Glass Panel Installation

Who is at Risk	Installation Engineer
Hazard	Glass Breaking
	Incorrect handling techniques
Current Controls	Protective Equipment <u>must</u> be worn.

CE - Marking

The Gunnebo GlasStile GSS is CE marked, developed and manufactured according to the EU's Machinery, Low-Voltage and EMC-Directives.

Section 2

Product Description

The Gunnebo GlasStile GSS is a revolving entrance gate with glazed panels. The gate rotates clockwise or counter-clockwise to its User Programmed opening positions and then returns to the home position, where it is locked by an electro-mechanical brake. The gate is activated by impulses to the driving electronics unit from either a reception area or impulse unit (e.g. card reader) which determines the direction of rotation.

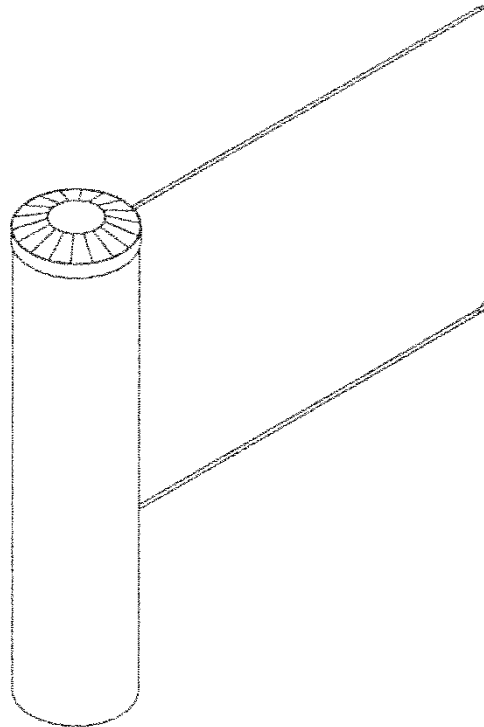
Any impulse unit with a dry contact closing for between 0.5 - 1.0 seconds can be connected to the gate. An acknowledgement impulse of completed rotations is given before or after each rotation is started/complete. The status of the gate is indicated on its volt free alarm output.

The speeds, opening time, drive mode and individual settings of the panels opening and home positions are set using a special programming unit. In the event of a power failure the programmable functions are stored in a non volatile memory.

The drive electronics are mounted on a printed circuit board which has connection points for power, motor, brakes, sensors, impulse units and LED's.

A 24V DC motor with planetary gears controls the gate. An opto-sensor is connected to the outgoing shaft by a gear belt. Its function is to monitor the position of the gate.

Fig 2.1 – Typical Unit



Technical Specification

Unit Dimensions	Column Height:	1000mm
	Column Diameter:	220mm
	Standard Clear Opening:	1000mm
Drive:	24V DC Motor with gearing	
Orientation:	Pass Left or Pass Right	
Materials:	Mechanical parts:	304 grade Stainless Steel
	Glass Wing:	10mm Toughened Glass
Power Failure:	Gate Rotates freely with any power loss or emergency signal	
Power Supply Voltage:	110/230 VAC 50/60Hz	
Power rating:	250 W, fuse 1.0 A	
Mains Input Fuse	2A	
Operating Temperature:	0 to 55°C	
Transportation and Storage:	-25 to +55° C	
Relative Humidity:	95% Maximum	

- Note**
- Class C mains circuit breaker is required.
 - Other finished and sizes are available upon request to Gunnebo

Section 3

Instructions for Use

Starting the GlasStile GSS

When the power is switched on, the gate automatically searches for its internal zero position, moving at a lower speed than normal. The blocking panel then automatically moves to its programmed home position. The first time the gate is powered up it will move to a factory pre-set home position.

When the internal zero and home positions are being sought the alarm output flashes slowly. When searching has been completed the closed gate closed output switches.

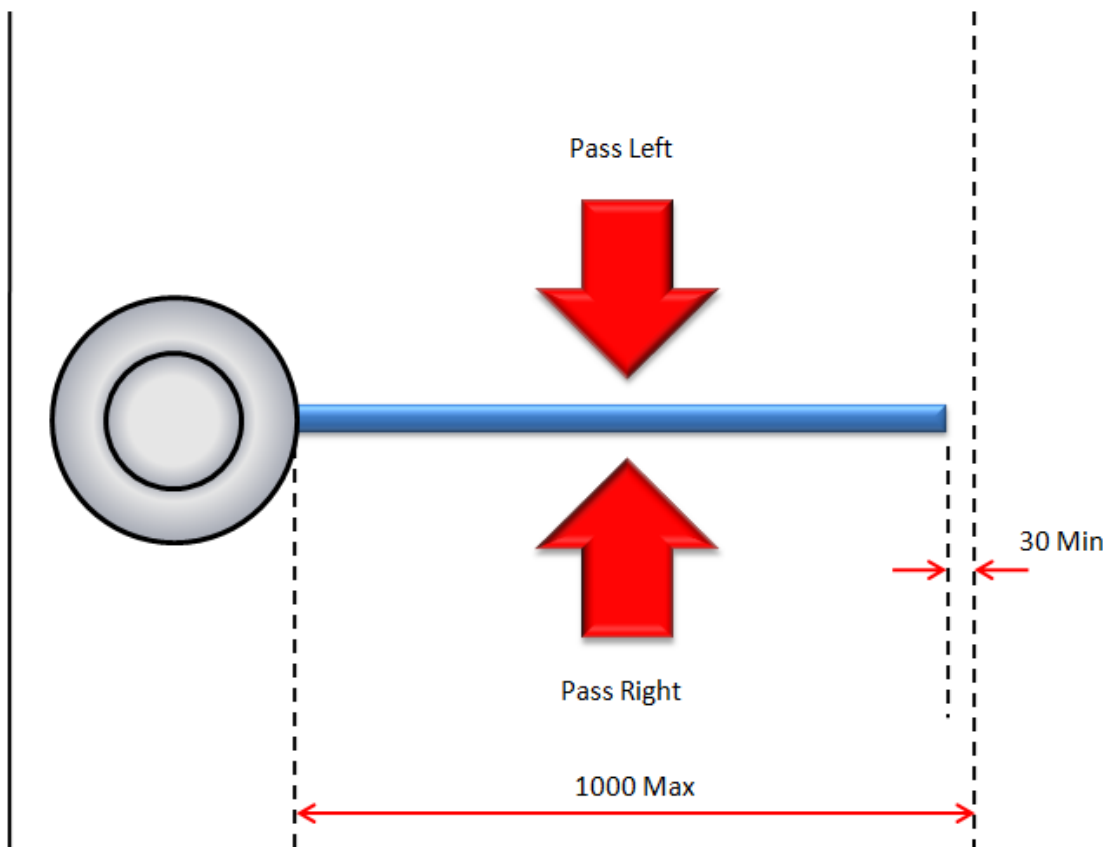
Reception Control Pass Left/Right (Option)

There are two momentary pushbuttons, one each for PASS LEFT and RIGHT entry, which instantly affect the rotation of the gate.

The gate opens for as long as the pushbutton remains pressed. Upon release the gate returns to its home position, where the electro-mechanical brake locks it.

Walkway Details

Fig 3.1 - Walkway Details



Operating Modes

- **Instant Start**

This is similar to Push to Go, with the difference that the gate starts immediately when it receives an impulse. If a pre-rotation acknowledgement has been selected, it is possible to stack up to 5 authorisations per direction. If passage is authorised in both directions, the queue in the first direction selected is cleared before the gate begins to rotate in the other direction.

- **Push to Go**

A signal applied at one of the impulse unit inputs releases the brake, switches the gate closed output. Passage can now occur within the selected time. If no passage is started within this time, the gate is locked and a new impulse must be given. The gate starts to rotate in the selected direction once the panel is released from its home position. When the gate starts, the acknowledgement relay is activated for 0.5 seconds.

Depending upon the program set up, an acknowledgement of 0.5 seconds is given when the opening is completed. The gate closed output is then activated.

Reset

After repeated incorrect use or blocking of the unit, the GlasStile GSS will go into alarm mode, with an optional remote alarm indication being set in the reception area. There are three ways to reset the unit to normal operation:

- New impulse from pulse transmitter
- Reset from (option) reception push buttons via depressing both buttons simultaneously.
- If these resets do not happen within 10 seconds after alarm, the GlasStile GSS will automatically reset itself and return to the home position.

Remote Push Button Activation (Optional)

A reset button in the reception area is connected via diodes to both Left and Right entry reception inputs. The external diode to reception is connected to the closed gate input on the PCB.

Safety

When the gate is locked, the electro-mechanical brake is activated on full power for 0.5 seconds the power is then reduced to a steady rate. This is to reduce the risk of heat build up in the brake.

Blocking the GlasStile GSS

If the GlasStile GSS is blocked completely during operation for more than 10 seconds the unit will go into alarm mode and will reset via the receipt of a valid reset, passage authorisation or time out signal.

Power Failure

In the event of power failure the gate rotates freely. When the power returns the gate searches first for its internal zero position and then for the home position similar to when the gate is started up.

Fire Alarm

There is a facility for an external fire alarm input contact in the gate. The fire alarm N/C contact is connected so that it will interrupt the power to the gate. The unit will freewheel until the contact is remade.



Section 4

Technical Information

The central column stands totally independent of the surrounding framework, housing the drive motor, gearbox and local electronics.

The unit is supplied to integrate fully with all proprietary card reader systems, with a variety of outputs and inputs i.e.; passage confirmed for updating and anti-passback system, inhibits and fire alarm.

All that is required is a GO signal of >0.5 / <1 second from the access control technical system (voltage-free contact normally open).

Material Finishes

Alternative materials, such as polished or grained stainless steel, brass or painted finishes can be supplied to special order. please consult Gunnebo for further information.

Flexibility of Design

The integrated design makes the GlasStile GSS simple to install with a minimum of intrusion to the existing environment.

This concept allows architects and designers the ability to design a security system that fits their requirements for any situation. The central column forms the basis of the system

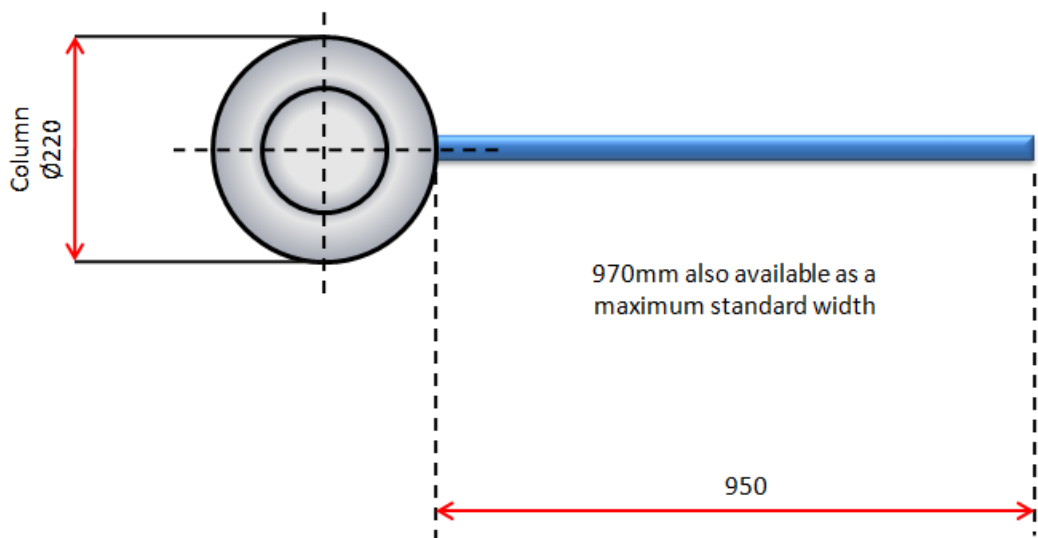
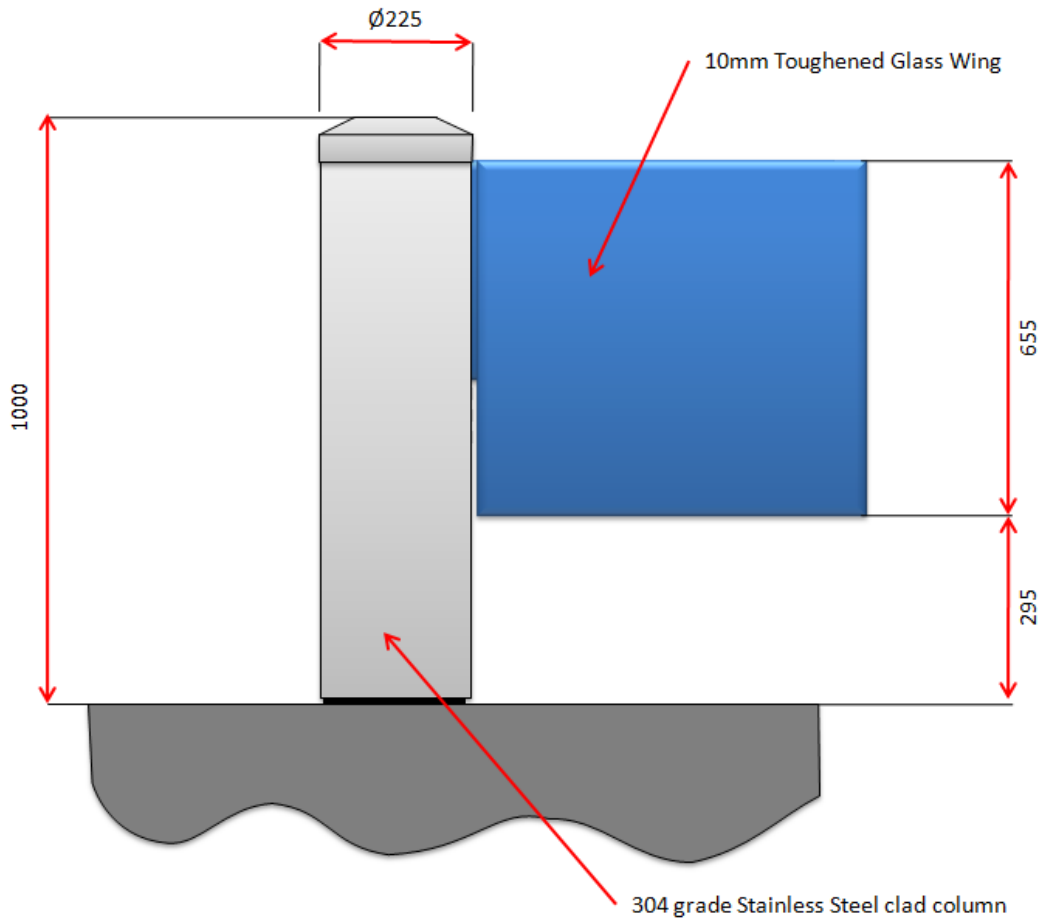
Because of the servo drive, each individual can pass through the GlasStile GSS at whatever speed they find most convenient. The GlasStile GSS adapts itself automatically and the only purpose of the motor drive is to facilitate passage and return the gate back to its neutral position.

The standard GlasStile GSS is clad with brushed stainless steel and the gate panels are of 10mm transparent toughened glass.



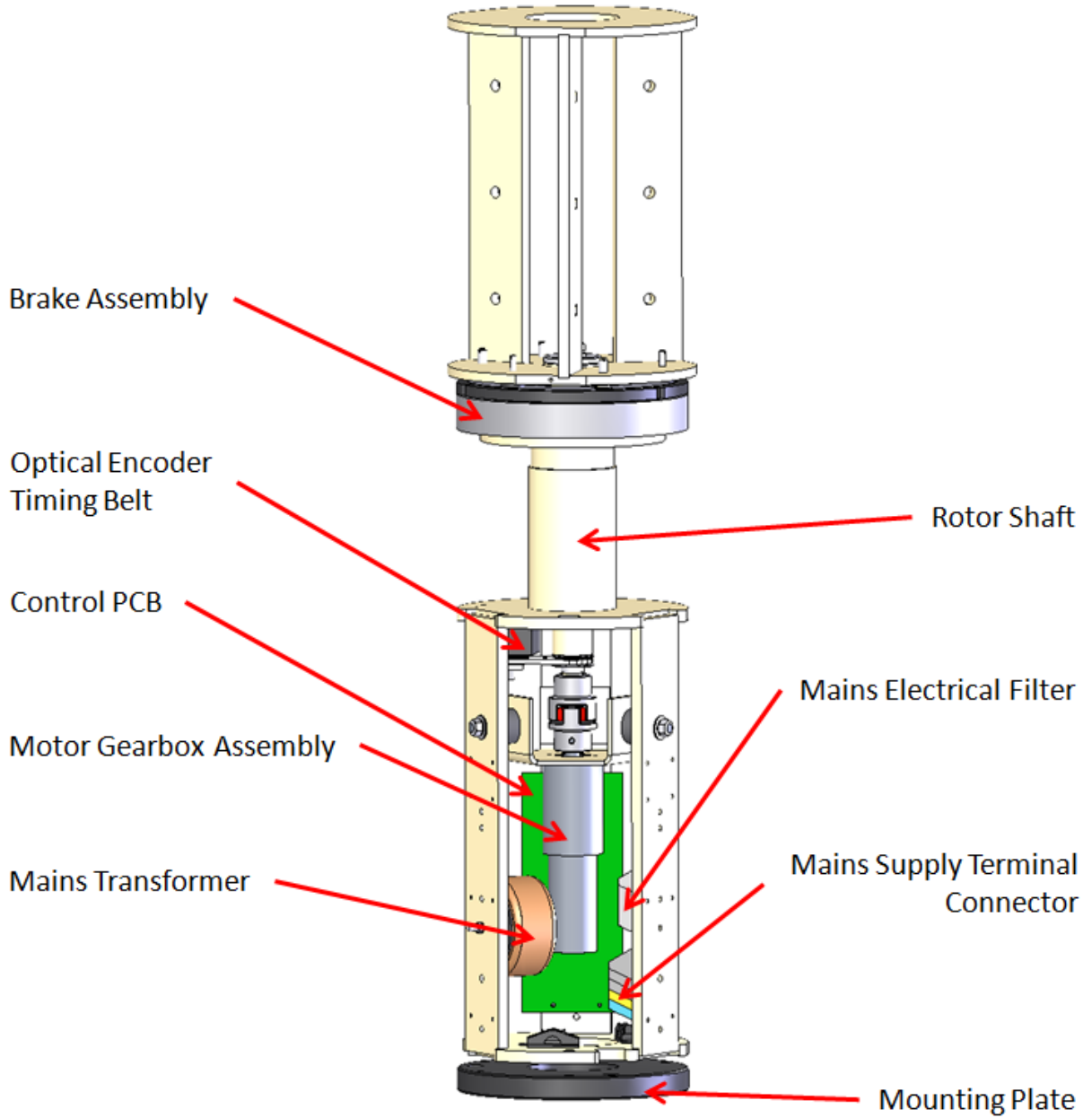
Standard Dimensions

Fig 4.1 – Standard GlasStile GSS Dimensions



Component Location

Fig 4.2 – Main Component Identification



Section 5

Installation

Unpacking

Check that all the material has been delivered intact. Gunnebo does not accept any responsibility for damage that occurs by transportation or installation.

Electrical installation must be carried out by authorised staff. The placing, installation and specifications of all cables must comply with the instructions given in this document.

Gunnebo does not accept responsibility for any injury or damage incurred due to departure from the instructions in this Technical Manual.

Tools Required

- Industrial hammer drill
- Concrete drill bit 12mm
- Socket 17mm AF (x2)
- Torque wrench
- 8mm Spanner
- Metric Allen Keys (1 x set)

Please read carefully before commencing the installation

Site Preparation

The following illustrations show the site preparation details that are required for the various units.

Concrete to BS 5328:1997 specifications - Type ST5

The base must be flat and level to +/-5mm over the GlasStile GSS area.

The base must be laid with under floor conduits with a minimum diameter of 20mm rising in the positions indicated on the particular illustration, to accommodate the cables for power supplies and any remote control devices.

It is recommended that the mains power to the unit passes through a Residual Current Circuit Device for maximum safety.

A second conduit should be provided for any remote control cables that may be required. On units controlled by pushbuttons or footswitches a four-core cable having a minimum conductor size of 0.5mm sq. should be laid and a 1.5m tail left. (Screened cables are NOT normally required)

For units that are to be controlled by Card Access or similar it is recommended that Gunnebo Technical Personnel are advised prior to starting the installation routines.

Installation Kit

Item	Quantity
Rotor Assembly	1
Cladding Kit	1
Top Cap	1
Cladding Cover	1
Glass Panel	1
Anchor Bolts (72544001)	3



Installation Routines

Note - The GlasStile GSS should NOT be installed under a desk.

When planning the installation, it is important that everything is measured accurately and that all cable ways are marked out. All cables must be laid according to the specification indicated before installation begins.

All Electrical work MUST be carried out by a qualified engineer

1. Place the foundation plate and the centre column in the selected position. Turn the centre column so that the marking 'INDEX 0' on the non-rotating part, ends up as shown in Fig 5.1 to ensure that the panel can rotate without interference from the walls

Fig 5.1 – Opening in Both Directions (180°)

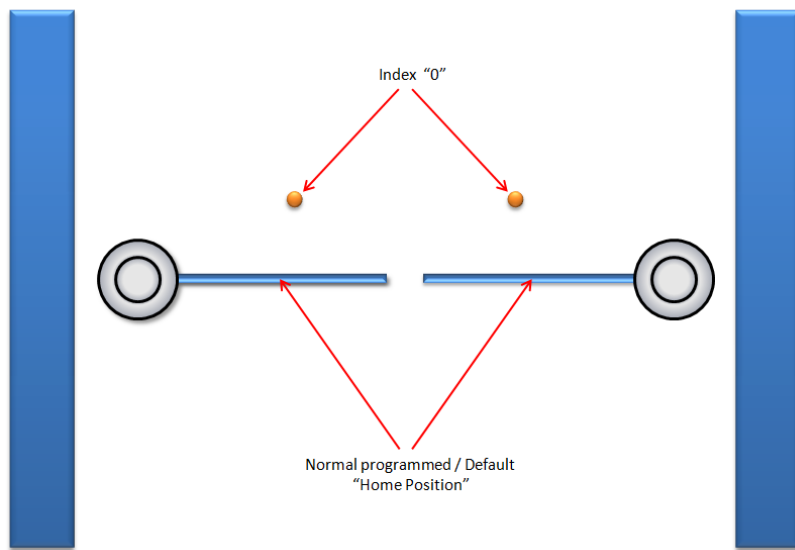


Fig 5.2 – Opening in Both Directions (90°)

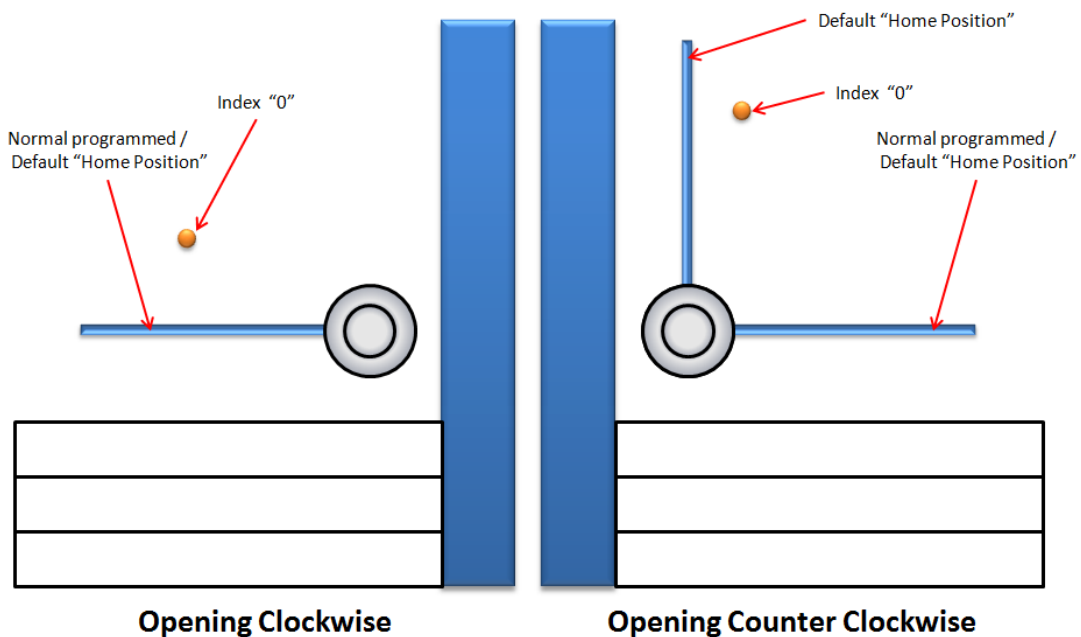
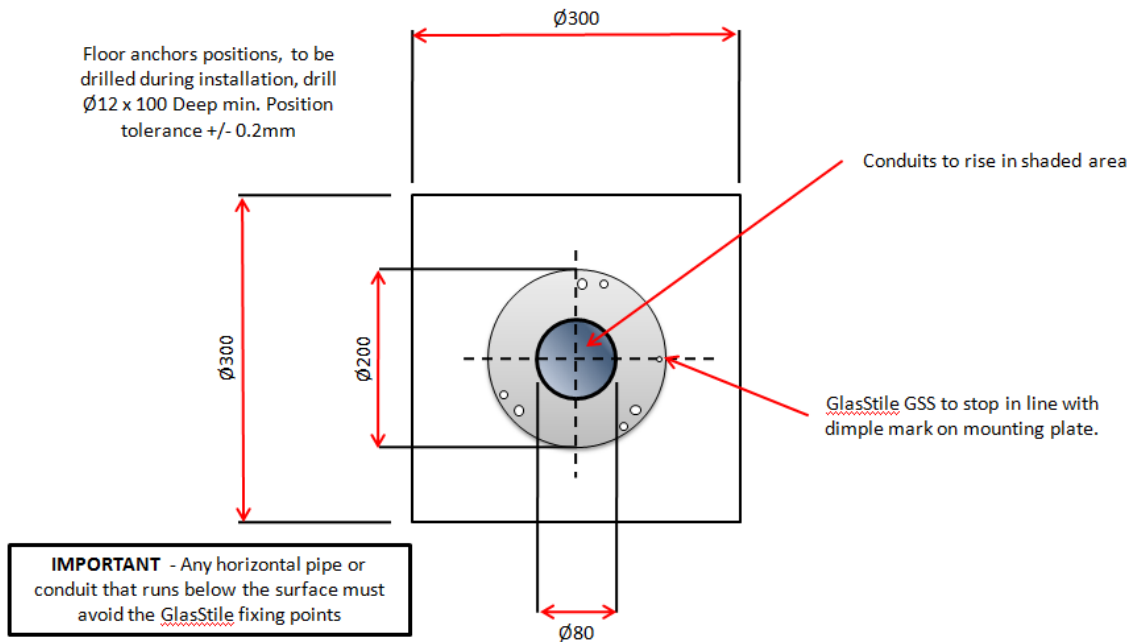
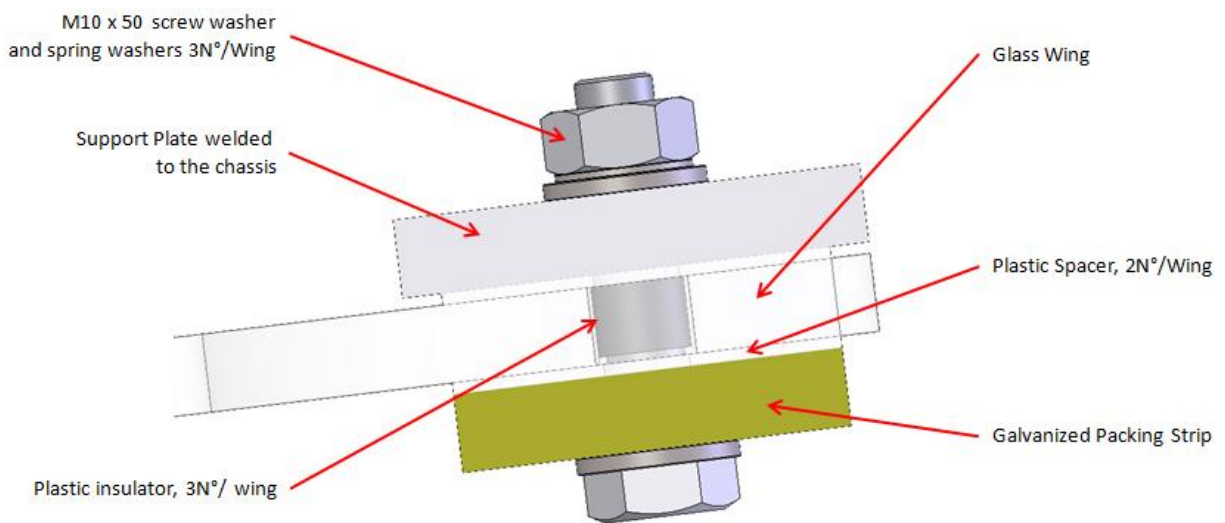


Fig 5.3 - Column Mounting Plate

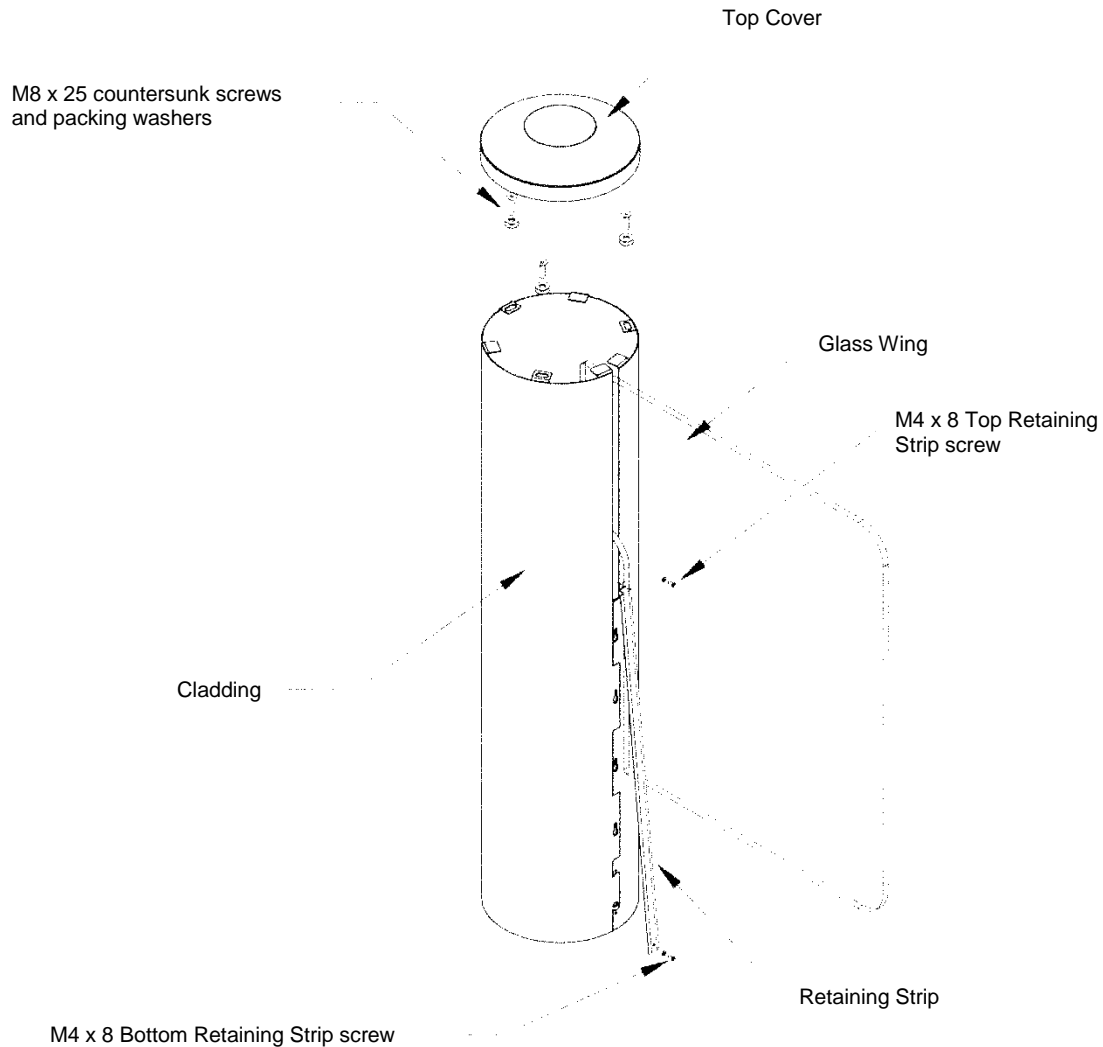


2. Mark out and drill the M10 holes, using the appropriate fixing items.
3. Place the centre column on the foundation plate and adjust the unit vertically, using the adjusting grub screws on the centre column's base plate. Lock in position using the fixing screws.
4. Fit the M4 x 8 Top Cladding Retaining screw into the chassis leaving approximately 2mm clearance between the head and surface.
5. Insert the glazed panel making sure that the plastic insulator, packing strip and the plastic spacer sit between the glass and the metal surrounds to avoid the risk of the glass cracking.

Fig 5.4 – Glazed Panel Fitting Detail



6. Using a spirit level adjust the glass so that the top is horizontal.
7. Rotate the gate manually to check that it rotates freely.

Fig 5.5 - Cladding Fitting Details


8. Prise the Cladding apart and slide into position.
9. Fit 2N^o packing washers and 1N^o M8 x 25 countersunk screw to each of the 3N^o positions through the Cladding into the top of the Rotor Column.
10. Mount the Top Cover on the centre column, so that the countersunk screws locate in the keyholes and rotate anti clockwise direction to lock into position.
11. Align the cladding edge profiles so that they interlock. This is achieved by compressing the middle of the cladding and engaging the 'lock' profile on the bottom edge.
12. Slot the Retaining Strip into the cladding key slots and slide upwards, taking care that the top cut out in the Retaining Strip, locates on the screw in the Rotor Column.

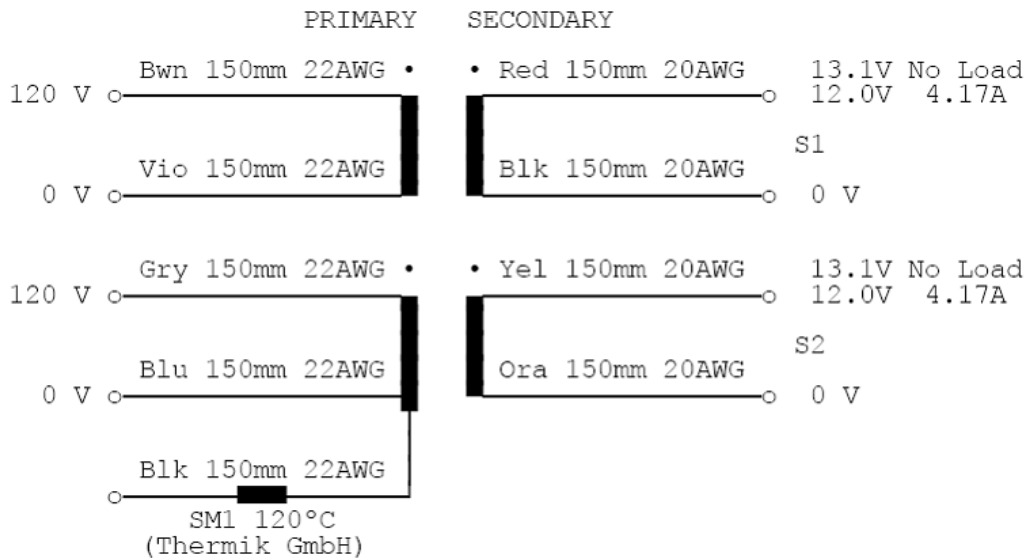
Note – The cladding may need to be compressed together to aid this function.

Lock the Retaining Strip into position using M4 x 8 security fixing.

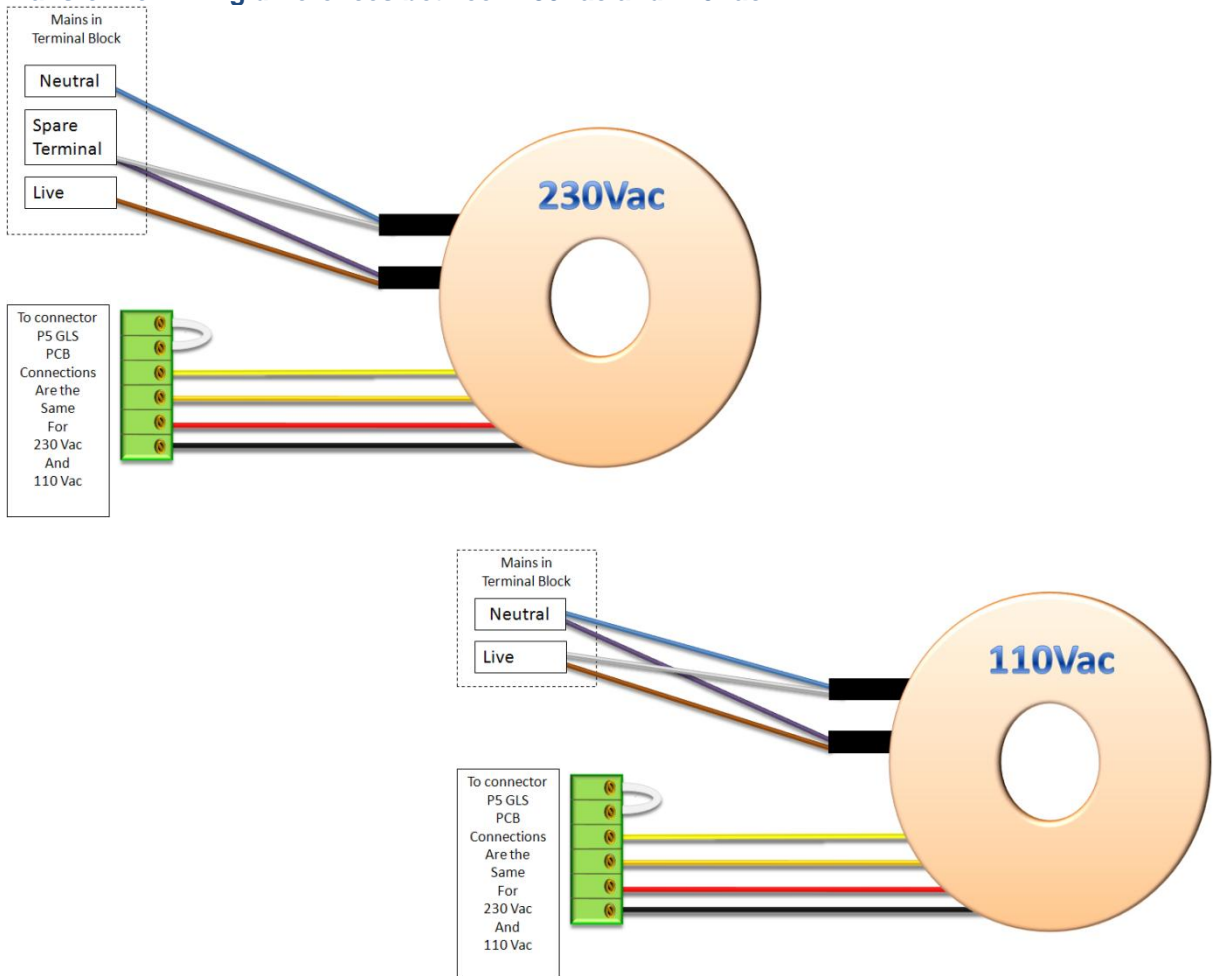
Power Supply and Cables

Power supply

The power to the logic board, motor and brake is supplied through a Toroidal transformer specification below.



Transformer wiring differences between 230Vac and 110Vac



Suitable cables for connecting to the main power supply and external signals such as impulse units are:

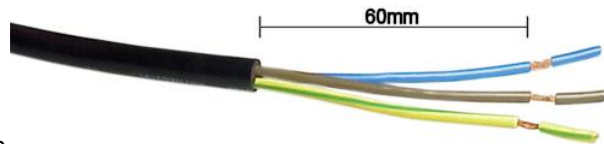
Main power supply

110 to 230 VAC single phase 1.0 A, 250W.

Connection

Check that mains power is off with a certificated and calibrated voltage meter – when safe to do so connect the Earth first, and then the Neutral and then the Live connection last.

Three-core cable with a conductor area of 1.5mm (min), approved for the specific installation.

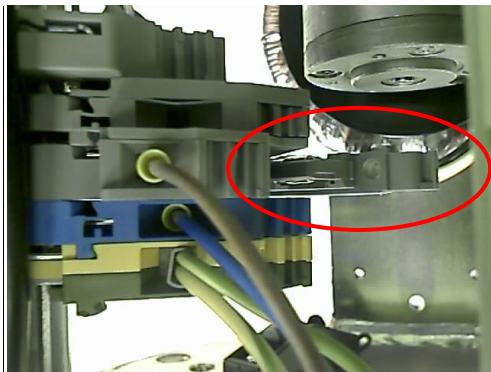


1. Strip the sheath to expose 60mm
2. The power cable must be laid so that its sheath is secured in the clamp. See Fig 5.7a.
3. Connect the cores to the terminal block placed on one of the vertical bars, see Fig 5.7.
4. Ensure all connections are secure.
5. Ensure all the cables are contained within the centre column.

Disconnection

Check that mains power is off with a certificated and calibrated voltage meter – when safe to do so, remove the live connection first, then the Neutral and then the Earth.

To switch off the power locally in the unit you can simply unclip the glass fuse breaker as shown in the image below



Glass Fuse Holder
5 x 20 LBC 2A

Input/output signals Shielded multi-core cable with conductor area of 0.22mm (min).

1. Strip the sheath to the require length ensuring enough length for the shielding to be fixed to the terminal.
2. Secure the cable by its sheath in the clamp provided.
3. Connect the shield to the terminal provided.
4. Make all required connections ensure all cable contained within the centre column.

Load-relieving clamps on the adjustment plate shall secure the cables as follows:

Fig 5.6 - Electrical Connections

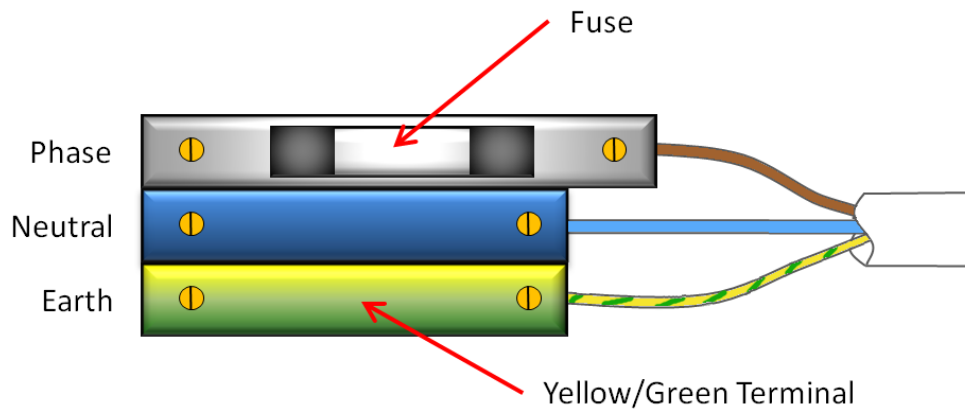
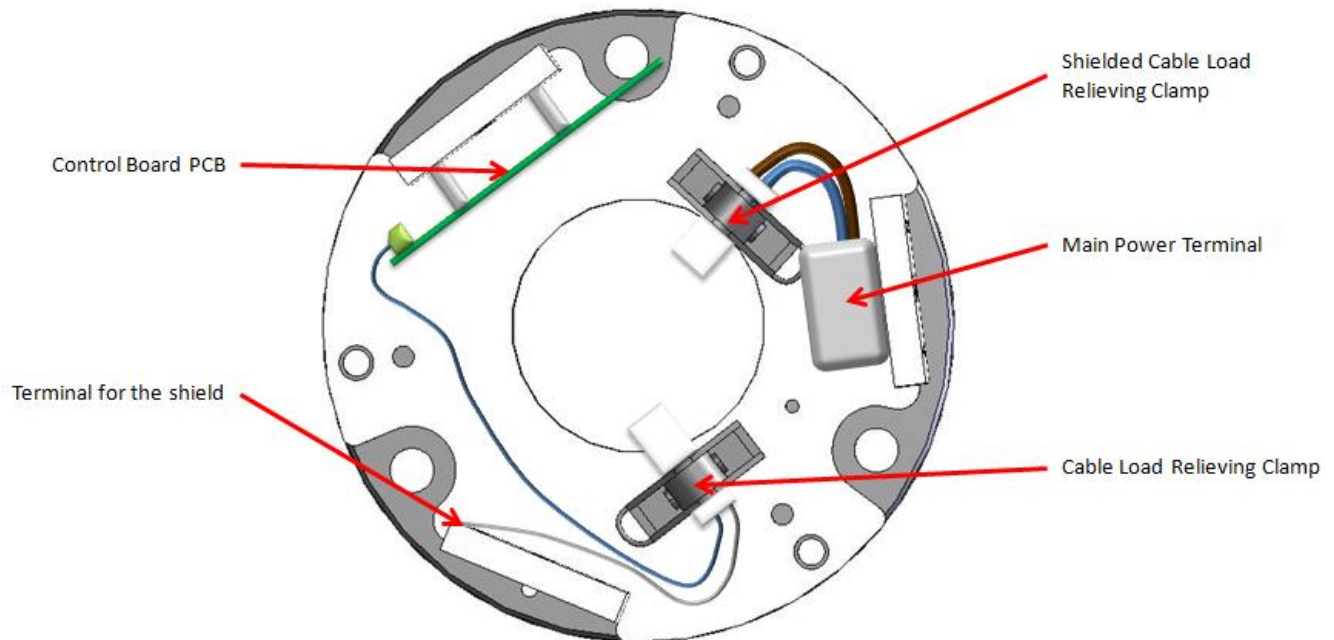
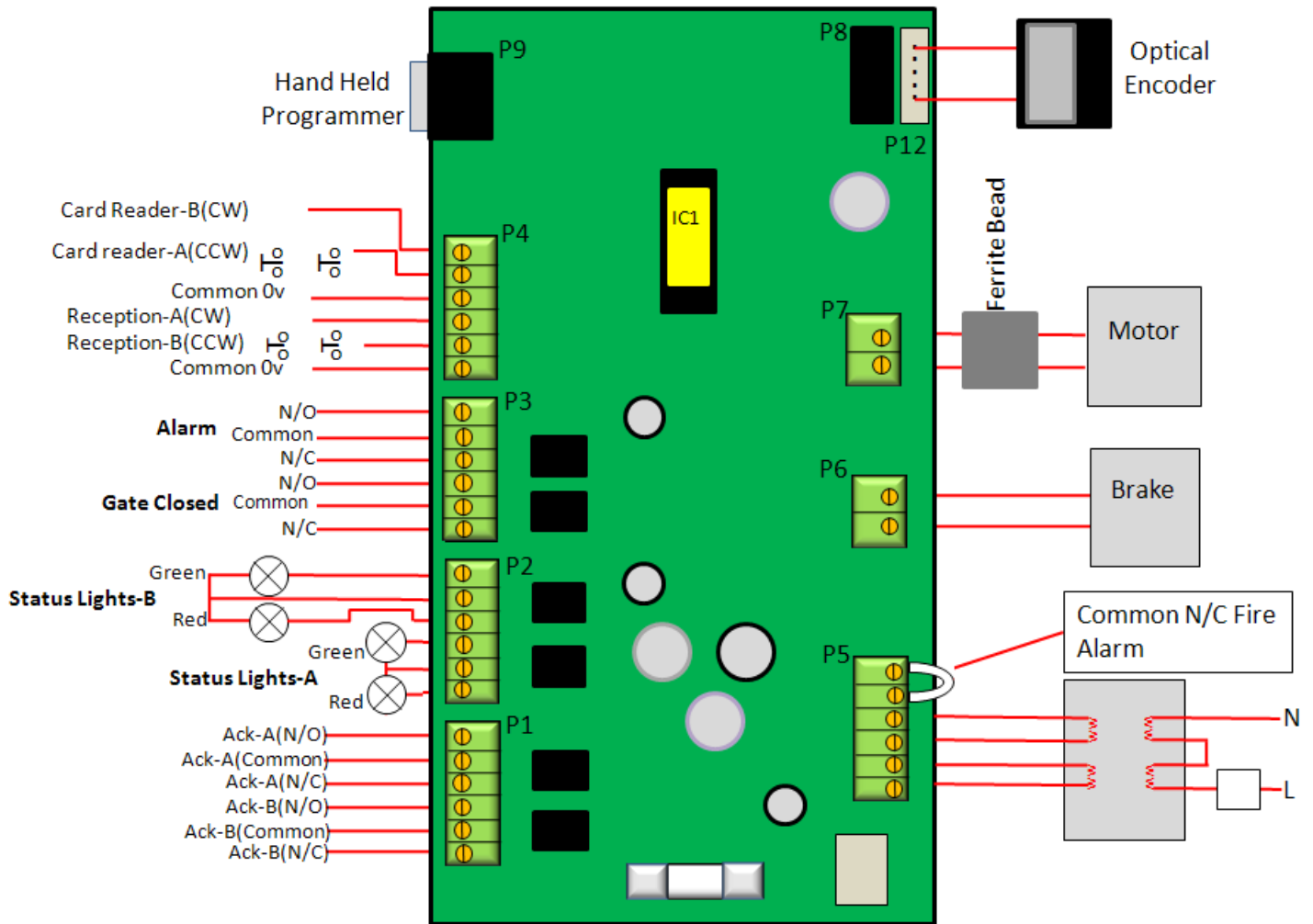


Fig 5.7a – Cable Fixing Locations



Customer Connections

Fig 5.7 – Customer Connections



Note: - The GlasStile should always have an independent fire signal. If an echo signal is used the unit will not function correctly.

P7 Motor Connections	
Pin	Description
1	Red positive
2	Black Negative

Programming (Program Options are given on page 25)

Warning – Programming must be undertaken with the mains power switched on.

- **Settings**

The mode of operation can be selected for standard firmware program options that are accessible via the Hand Held Programmer. This device should be ordered with the main equipment purchase, it is not supplied as part of the standard installation kit.

To program the GlasStile GSS the cladding must be moved. The Hand Held Programmer is then connected to the serial port on the Control PCB.

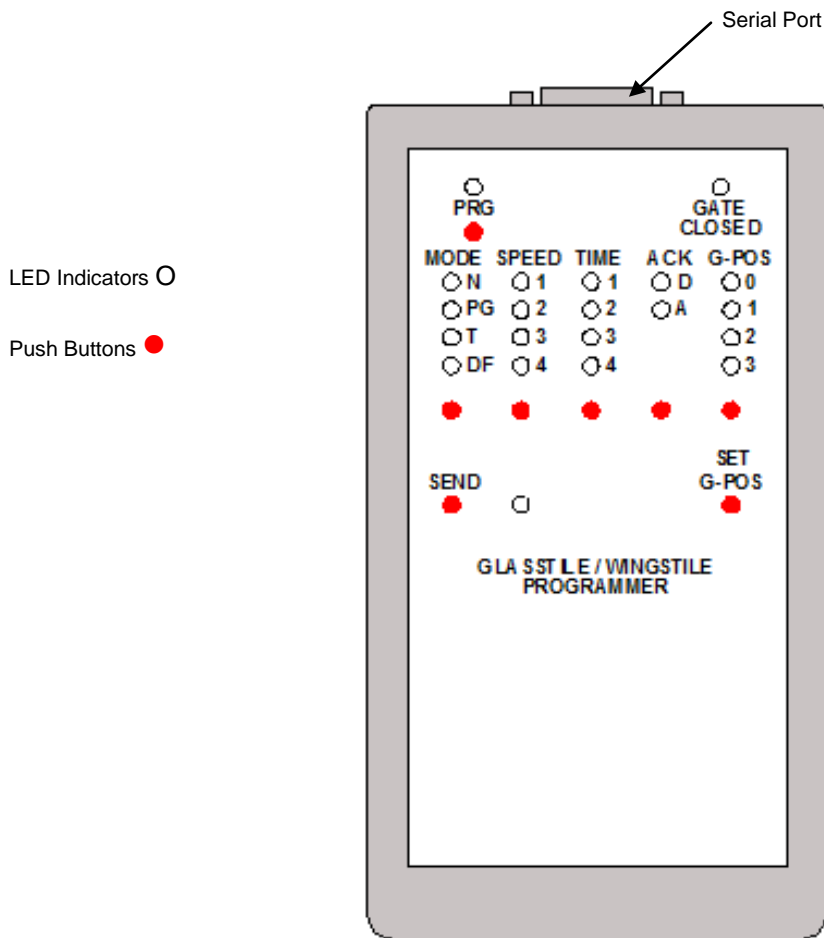
How the gate operates depends on certain selected functions.

DF = Factory settings.

- **Selection of the Programming Position**

➤ Press **PRG**. The red programme diode lamp will come on.

When the brake has been released the yellow lamp extinguishes. The gate now transmits its set parameters to the programming unit.



Programming Options

- **Operational Mode (MODE)**

- N** Normal, instant start, stacking of 5 card reader impulses (DF)
- P** Push and Go, no stacking of card reader impulses.
- T** Teach, on start the auto calculation of brake distances.
- DF** Reset all settings to those set during factory testing.

- **Speed (SPEED)**

- 1** 8 rpm (1.88 seconds to travel 90°)
- 2** 10 rpm (DF) (1.50 seconds to travel 90°)
- 3** 13 rpm (1.15 seconds to travel 90°)
- 4** 16 rpm (0.94 seconds to travel 90°)

- **Hold Open Time (TIME)**

- 1** 0.8 second (DF)
- 2** 1.6 second
- 3** 4 seconds
- 4** 8 seconds

- **Acknowledgement Signal and Counter Impulse (Card Ack)**

Normal – Instant Start (N)

- D** When the Gate has opened.
- A** After the rotation (DF)

Push and Go (PG)

- D** When the Gate is pushed
- A** After the rotation

- **Selection of Panel at Programming (POS)**

- 0** No panel selection, this is the normal position when panel is to be programmed.
- 1** Opening Position CW Rotation - Position 90° (DF)
- 2** Home Position - Position 100 (DF)
- 3** Opening Position CCW Rotation - Position 90° (DF)



Scratches on Brush (Satin) Finish

Cleaning agent: For slight scratches, use impregnated nylon pads then polish with scruffs dressed with iron free abrasives. For deeper scratches, apply in direction of polishing. Then clean with soap or detergent as per routine cleaning.

Action: Do not use ordinary steel wool, iron particles can become embedded in stainless steel and cause further surface problems.

Greasing

Service Engineer carries out this action during service visits.

- **General Indications**

The mechanism should be inspected and cleaned at regular intervals in order to maintain the components in good working order and to check for signs of wear.

Note: The following indications refer to an installation where the average number of transits per year is equal to one million.

When used in dusty conditions, increase the inspection intervals.

Warning - To avoid the risk of electric shock, always ensure that the electrical power is disconnected before inspecting the mechanism.

- **Lubricants**

For the lubrication of parts subject to wear, use Molycote BR2 Plus grease or equivalent grease containing graphite or molybdenum sulphide (MoS)

Do not grease moving parts unless specifically indicated in this manual. The use of grease can lead to a build up of dust that can impair operation of the mechanism.

Components

Annual Checks (Operations to be carried out with the power supply disconnected)

Cables and Connectors (Operations to be carried out with the power supply disconnected)

- Check that the wire connectors are firmly attached.
- Check that the terminals are fully tightened.
- Check that the insulation of the wires is in good condition and that no conductors are exposed.

Electrical Circuits

No general maintenance is required apart from replacement fuses in the event of a failure.

General Component Maintenance

Ensure the assembly is kept clean.



Brake Adjustment

Should it become necessary to adjust the Brake during set up or routine servicing the following procedure should be used.

- Loosen the three adjustment screw locking nuts.
- Adjust the screws Clockwise to their lowest position and then back-off a quarter to half a turn.
- Operate the Program button to release the brake.
- Manually move the unit through 360°- checking for freedom of rotation without the brake noise.
- If noise is heard during the above operation - adjust the screws upwards slightly.
- Engage the brake - if a harsh metallic noise is heard - adjust the screws downwards.
- Repeat these actions until the unit functions correctly - lock the nuts.

Encoder Replacement

If an encoder must be replaced, effect the following operations.

- Disconnect the power supply
- Replace the device
- Check all relevant connections
- Restore the power supply
- Re-set to normal functioning

Replacing the Control Card

- Disconnect the power supplies.
- Remove all connectors from the PCB.
- If necessary remove the PCB supports.
- Reconnect the cables and connectors.
- Replace the PCB.
- Reconnect the power supplies.
- Switch ON the Unit and return it to normal operation.

Trouble Shooting

Table 6.1 – Fault Finding

Symptom	Check	Action
Unit Free Wheels	Mains Supply is correct and present.	• Switch on
	Fuses on Control Board	• Replace blown fuses
Unit will not stop and lock	Encoder is fitted correctly	• Adjust and/or replace timing belt or encoder
	Desired position may not be obtainable.	• Reprogram new positions
At power up the unit moves at great speed	Encoder is fitted correctly	• Adjust and/or replace timing belt or encoder
Unit Fails to reach the target position	Brake setting	• Adjust brake
	Bearing for correct alignment.	• Loosen and re-tighten bearing
	Transmission to the Optical Unit	• Check connections and replace if unserviceable
	Pulley Belt for tension	• Adjust and replace if unserviceable



Section 7

Spare Parts

Recommended Spare Parts

Quantities listed are per GlasStile GSS over a 24 month period.

Table 7.1 – Recommended Spare Parts

Code	Description	Qty
SM-BO-GS-0001	Motor/Gearbox G42x40 40VDC	1
SE-FU-GS-0001	Fuse Q/B 20mm 2.A	1
SM-TR-GS-0001	Transformer Toroidal	1
SM-CB-GS-0001	Timing Belt (2.5 x 80T)	1
SE-EL-GS-0007	Electromagnetic Brake	1
SA-MC-MU-0008	Optical Sensor Assembly (Encoder)	1
SE-LB-GS-0004	PCB excluding Chip	1
SA-FM-GS-0002	GSS Firmware	1
SM-DA-GS-0001	Damper Magnetic Brake	3
SK-LK-GS-0002	Shaft Key (Top Cradle)	1
SK-LK-GS-0003	Shaft Key For top of coupler	1
SM-LK-MU-0047	Shaft Key	1
SE-EL-GS-0006	Motor Coupler	1

Section 8

Declaration of conformity



Competence Centre Entrance Control

DECLARATION OF CONFORMITY

Manufacturing Plants of the Competence Centre Entrance Control located c/o Gunnebo Entrance Control S.p.A., via A. Volta, 15, 38015 Lavis (TN), Italy; and c/o Gunnebo Entrance Control Ltd, Bellbrook Business Park, Uckfield, East Sussex, TN22 1QQ, United Kingdom, declare under their own responsibility that the products:

GlassStile R Type A
GlassStile R Type B
GlassStile R Type C
GlassStile S

to which this declaration refers, comply with the provisions of the following directives:

2006/42/EC Machine Directive
2004/108/EC EMC Directive
2006/95/EC Low Voltage Directive

And moreover declares that the following harmonized norms have been applied:

EN 61000-6-3 (2007) Electromagnetic compatibility – generic standard, emission
EN 61000-6-2 (2005) Electromagnetic compatibility – generic standard, immunity
EN 60335-1 (2002) Safety of household and similar electrical appliances

Uckfield, 11th of May 2009

Rob Wheeler
Legal Representative for
Gunnebo Entrance Control S.p.A. and
Gunnebo Entrance Control Ltd

For further information please contact:



Competence Centre Entrance Control

c/o Gunnebo Entrance Control Ltd. Bellbrook Business Park, Uckfield, East Sussex, TN22 1QQ, UK.
Tel +44 (0) 1825 761022 Fax +44 (0) 1825 763835
E-mail info.entrancecontrol@gunnebo.com
Web www.gunnebo.com



A COMPANY WITHIN THE GUNNEBO GROUP

HEAD OFFICE SWEDEN
Gunnebo AB, Box 5181, SE-402 26 Goteborg, SWEDEN. Tel +46-31 83 68 00, Fax +46-31 83 68 10

www.gunnebo.com

Note: In pursuit of its policy of continuous refinement and improvement, Gunnebo Entrance Control Ltd reserves the right to modify design and details.