

## Please note

For OH&S purposes we recommend that you prepare a procedure to notify everyone on how to manually override the gate and where the key will be kept.



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## Procedure For Manual Override of GOS SEW Fast Motor on Cantilever Gate in the event of a Power or Mechanical Failure

### **SAFETY**

If correctly installed and used, this automation device satisfies the required safety level standards. However, it is advisable to observe some practical rules in order to avoid accidental problems.

- Keep children, persons and things outside the automation working area, particularly during operation.
- Children must be supervised to ensure they do not play with the application.
- This application is not meant for use by people (including children) with impaired mental, physical or sensory capacities, or people who do not have suitable knowledge, unless they are supervised or have been instructed by people who are responsible for their safety.
- Keep radio control or other control devices out of children's reach, in order to avoid any unintentional automation activation.
- Check the system frequently, especially cables, springs or supports, to detect any loss of balance and signs of wear or damage.
- Do not intentionally oppose the leaf movement.
- Do not attempt to open the gate by hand, if the actuator has not been released by means of the appropriate release knob.
- When cleaning the outside or performing other maintenance work, always cut off mains power.
- Do not modify the automation components.
- Do not use the automated system if it is in need of repair. In the event of a malfunction, cut off the power, activate the emergency release to allow access and call Gate Opening Systems.
- Keep the photocells' optics and illuminating indicator devices clean. Check that no branches or shrubs interfere with the safety devices (photocells).
- For any direct assistance to the automation system, request the assistance of a qualified technician (Gate Opening Systems).
- Have qualified personnel check the automation system once a year.

### **Manual Release**

1. Turn off power supply to gate

2. Locate hand bolt lever that is clipped to motor body.



3. Insert and screw into end cap of induction motor, located within the small opening

4. Gently lift the hand bolt lever (moves approx 12mm) this disengages the brake and allows another person to push the gate by hand. **DO NOT PULL EXCESSIVELY ON LEVER, IT WILL SNAP OFF.**  
The brake is fully released within this 12mm movement

5. Return hand bolt lever to clip on side of the motor

## Warranty

Gate Opening Systems warrants workmanship and parts carried out by our technicians for a period of 12 months. Gate Opening Systems equipment warranty is subject to a valid maintenance agreement being in place and takes effect from the date of final commissioning at site with or without sign off from client. It is specific to each piece of equipment and is not related to final handover date. The 12 month period is determined by Gate Opening Systems and issues that are brought to our attention after this period will not be considered under warranty. The labour warranty applies to work on Gate Opening Systems manufactured equipment only.

Except for the warranty against defects in material and workmanship set out above, Gate Opening Systems Pty Ltd gives no warranties of any kind whatsoever, whether express or implied or whether statutory or at common law, in relation to the Product, and all warranties of fitness for particular purpose and other warranties of whatsoever kind relating to the Product are hereby disclaimed. Without limiting the generality of the foregoing, Gate Opening Systems Pty Ltd disclaims any liability of whatsoever nature in respect of any claim or demand loss or damage which arises out of:

1. Accidental damage to or normal wear and tear to the Product or to the Product's components:
2. Flood, fire or lightening
3. Incorrect, improper or unreasonable maintenance and/or use
4. Installation, modification, adjustment, repair or use other than in accordance with Gate Opening Systems Pty Ltd installation, operation and maintenance instructions.
5. Faulty or unsuitable wiring of structure to which the Product is fixed or connected.
6. Radio (including citizen band transmission) or any electronic interference
7. Blown fuses or damage caused by electrical surges
8. Water damage and or moisture damage
9. Damage caused by insects.

Gate Opening Systems Pty Ltd liability under the warranty set out above is limited, at Gate Opening Systems Pty Ltd absolute option, to replacing or repairing the Product which Gate Opening Systems Pty Ltd, in its unfettered opinion, considers to be defective either in material and/or workmanship or to credit the consumer with the price at which the Product was purchased by the customer.

Type of Risk	Solutions to be adopted
<b>Structural and wear-related mechanical risks:</b>	
1. Loss of stability & falling of parts	Check columns, hinges and leafs on a regular basis
	Ensure all stops are present
2. Tripping	Check that any edges over 5mm are highlighted or contoured
3. Impact on main closing edge	To reduce the risk of impact between the leaf and vehicles or persons, a pair of photo cells should be installed
	In cases of high impact risk a second pair of photocells should be installed
4. Shearing between moving leaf and fixed leaf during opening & closing movements	The gate leaf and fence must be kept free of obstructions
	Eliminate or protect any sharp edges, handles or protruding parts
<b>Risks due to leaf movement:</b>	
1. Drawing in of feet on lower edge	Ensure that pedestrians keep a safe distance from moving gate.
2. Drawing in of hands on drive unit	Ensure that people do not put hands between the pinion and rack
Recommendation to reduce the above risks	Floor to be painted yellow where gate swings or slides, with signs to notify pedestrians to avoid these areas.
<b>Electrical risks</b>	
1. Electrical shock	Ensure control box is locked and accessed by authorised electrician only
<b>Safety &amp; Reliability of Drive Unit &amp; Control &amp; Safety Devices</b>	
1. Drive unit activation/deactivation	After a fault or power failure, check that the drive unit resumes safe operation without generating hazardous situations.
2. Entrapment release	If entrapment does occur turn power off & disengage motor to operate manually. See attached procedures
<b>Principles of Safety integration &amp; information</b>	
1. Signs	Apply all signs or warning notices deemed necessary to highlight possible residual risks not protected and to indicate any foreseeable improper use.
2. Operation Instructions	Read operation instruction provided
3. Maintenance	Regular scheduled maintenance recommended