



Electric Gate Safety

The diagrams below show typical installations of swing and sliding gate automation systems. The diagrams detail hazards associated with any automated gate.

			
Do not enter during operation	Danger of crushing, avoid during operation	Danger of electrocution	Hazardous areas, do not enter during operation

Swing Gate



Sliding Gate





Semi automatic operation: Sometimes called Deadman operation

This is a gate that will only operate when it receives a signal i.e push button being held down.

Check:

- ✓ That the operator of the gate has a clear and unobstructed view of the gate, which extends to all of its operation. Remember that when opening a sliding gate, the trailing edge of the gate has the potential to create a trap point
- ✓ That the control cabinet is housed in a weatherproof enclosure that is lockable
- ✓ That pedestrians have an alternative method of entry and exit (wherever possible pedestrians should not use a vehicular gate) giving alternative access in the event of the gate failing
- ✓ That there are clearly visible signs advising that the gate is an automated device
- ✓ That trained operatives regularly maintain the gate and that full servicing records are kept
- ✓ That the gate was originally manufactured and installed as an automated device and has not simply been modified to offer automation features

Fully automatic operation

This is a gate that is activated by a device (intercom, radio control, etc) and the gate will open and close within a pre determined time

Check:

- ✓ That the gate features the necessary safety devices to protect the user and other pedestrians from all potential trap points
- ✓ That the gate is operating with the correct force as stated by the regulations (this should be the minimum required to enable the gate to operate)
- ✓ That the person responsible for the gate has been trained in the safe operation of the gate and its maintenance requirements
- ✓ That the control cabinet is housed in a weatherproof enclosure that is lockable
- ✓ That pedestrians have an alternative method of entry and exit (wherever possible pedestrians should not use a vehicular gate) giving alternative access in the event of the gate failing
- ✓ That there are clearly visible signs advising that the gate is an automated device
- ✓ That trained operatives regularly maintain the gate and that full servicing records are kept

The guidance and recommendations issued by Gate Safe represents our interpretation of advice provided by a number of sources. Gate Safe aims to clarify the key safety priorities relating to automated gate safety and to establish a protocol which represents the ultimate standard for best practice'

For more information call 01233 750 620