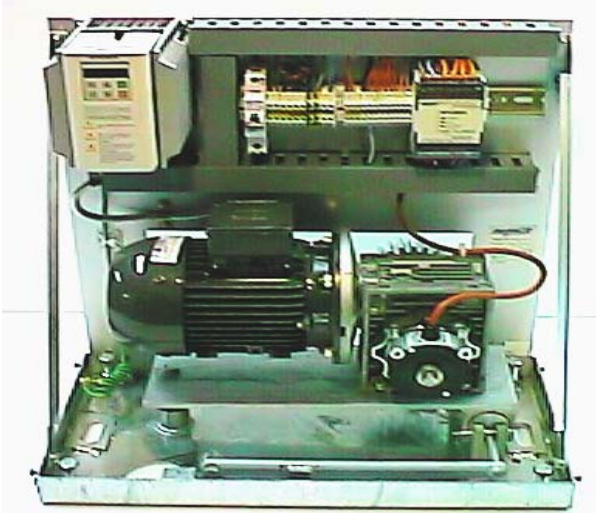




**MAGDRIVE**

**Info**



## **MAGDRIVE SL03-MAG SLIDE GATE DRIVE**

Slidrive 6.Pub

Issue 2 - 31 July 2003

### **DESCRIPTION**

The SL03-MAG slide gate operator is designed for commercial and security applications where fast operating speed and high usage are important.

### **TECHNOLOGY**

A robust 3 Phase AC Motor with a worm gear drive provides the linear movement of the slide gate through a gear wheel and straight rack mounted to the gate. The drive system is designed for gates up to 600 Kg and speeds to 600 mm per sec.

Position control is achieved with an encoder mounted on the gearbox output shaft. A frequency inverter is part of the PLC controller to allow acceleration and deceleration of the gate for optimum performance.

On power failure the drive unit can be easily disengaged from the straight gear rack to allow manual movement of the slide gate.

### **CONTROLLER MSL 220**

This controller is supplied in a separate IP65 lockable enclosure and contains a PLC (Programmable logic controller) with an EPROM chip to enable software adaptation and interfacing with a variety of remote control devices, security access systems and key card readers. It also integrates the inputs from the shaft encoder. Input terminals for safety devices are standard.

Site specific features such as partial opening for pedestrian

access only may be programmed on request.

Note: The controller provides 3 phase output power to the motor, however the mains supply need only be single phase.

### **CONTROLLER MSL 210**

This controller is basically the same controller as the MSL 220 but is incorporated in the drive system housing which is 235 mm higher. There is no need for a separate enclosure.

### **TECHNICAL DATA**

Power supply to Control	230VAC 1 Phase
Power from control to motor	230VAC 3 Phase
Power consumption	550 watt
Current	1.2 amp
Protection	IP65
Output Speed	56 RPM
Output Torque	53 Nm
Linear Force	100 kgf
Housing width	500 mm
depth	260 mm
height	550 mm
Weight	40 kg
Duty Cycle	50 %