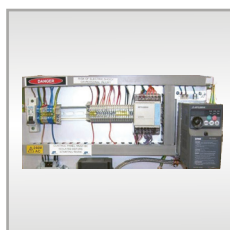


## Vehicle Access Solutions for Perimeter Protection

### MSL 20 MC Gate Motor

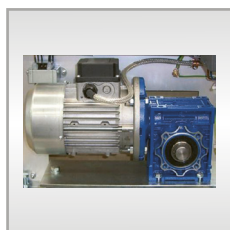


- » The MSL 20 MC slide gate operator is designed for commercial and security applications where fast operating speeds and high usage is of importance.
- » Drive system supports gates up to 1,500kg.
- » Runs on single phase mains supply.
- » Programmable logic controller.



#### Controller

The controller contains a PLC (Programmable logic controller) with an Eprom chip to enable software adaption and interfacing with a variety of remote control devices, security access systems and key card readers. Site specific features such as partial opening for pedestrian access can be programmed on request. The controller provides 3 phase output power to the motor, however the mains supply needs only to be single phase.



#### Drive System

The MSL 20 MC Motor Drive is a 3 phase (240V) AC induction torque motor. While 3 phase is applied to the coils U, V & W, a magnetic field is produced which results in torque being applied to open or close the gate. Power requirement is 240V single phase. The Drive system is designed for Cantilever gates up to 1,250kg, Track Gates up to 1,500kg and speeds up to 600mm/sec. Position control is achieved with a proximity switch mounted to the motor housing. A frequency inverter is part of the PLC controller to allow acceleration and deceleration of the gate for optimum performance.



#### Safety

On power failure the drive unit can be easily disengaged from the gate to allow manual movement of the slide gate. The controller has input terminals for safety devices as standard. Safety edge strips are provided as an optional feature.

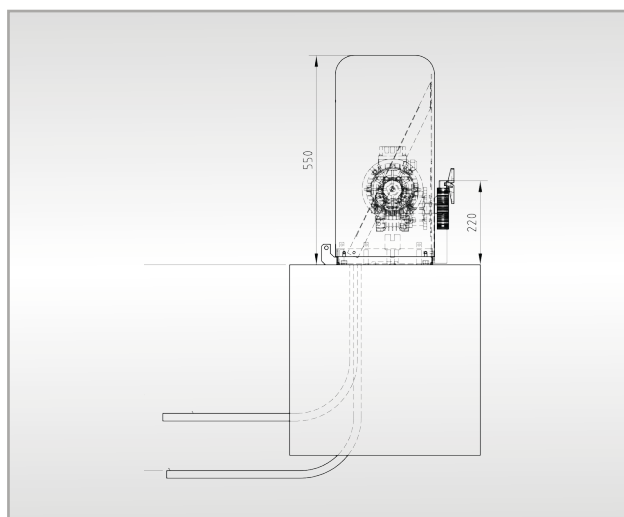
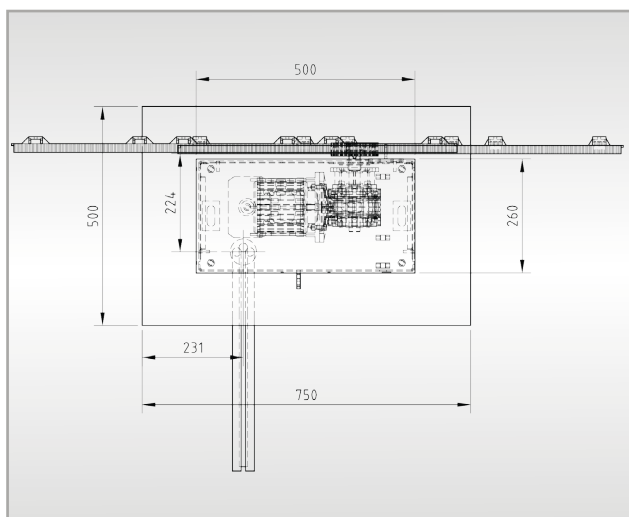


#### Accessories

Accessories include warning lights, warning signs, inductive loop detectors, PE Beams, radio controls and uninterruptable power supply.

**Technical Data**
**MSL 20 MC Gate Motor**

Power Consumption	550 watts
Voltage Single Phase	240 volts
Frequency	50 Hz
Current	1.2 Amp
Protection	IP55
Output Speed	56 Rpm
Output Torque	53 Nm
Housing Width	500 mm
Depth	260 mm
Height	550 mm
Motor Weight	40 kg
Gate Weight - Cantilever	1,250 kg
Gate Weight - Track	1,500 kg
Duty Cycle	100%
Warranty	1 year

**Diagrams provided for information purposes only**

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