



MAGDRIVE

Info



MAGDRIVE MGSL-03 SLIDE GATE DRIVE 0.55 & 0.75kW

SLIDRIV 10.PUB

ISSUE ONE

Description

The MGSL-03 slide gate operator is designed for commercial and security applications where fast operating speed and high usage are important criteria.

Technology

A robust 3 Phase AC Motor with a worm gear drive provides linear movement of the slide gate through a gear wheel and straight gear rack mounted to the gate. The drive system is suitable for gates up to 600 kg weight and travel speeds up to 500mm/sec.

Position control is achieved with feedback from a chain driven shaft encoder connected to 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 gate to allow manual movement of the slide gate.

Controller

The control is located within the common housing mounted on a gear-plate above the drive motor. The control is assembled using a PLC with E-prom chip and inverter frequency control. A shaft mounted encoder provides the PLC with gate position at all times. The control is able to interface a variety of remote control devices, security access systems and key card readers. Input terminals for Safety devices are standard.

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

Technical Data

Drive		0.55kW	0.75kW
Power Consumption	W	550	750
Voltage 3 phase	V	240	240
Frequency	Hz	50	50
Current	A	2.7	3.3
Protection	IP	55	55
Output Speed *	RPM	74	74
Output Torque	NM	53	72
Linear Force	kg	130	177
Housing width	mm	500	500
Depth	mm	230	230
Height	mm	520	520
Weight	kg	20	20
Controller			
Duty Cycle	%	100	100

* Output Speed @ 50 Hz

