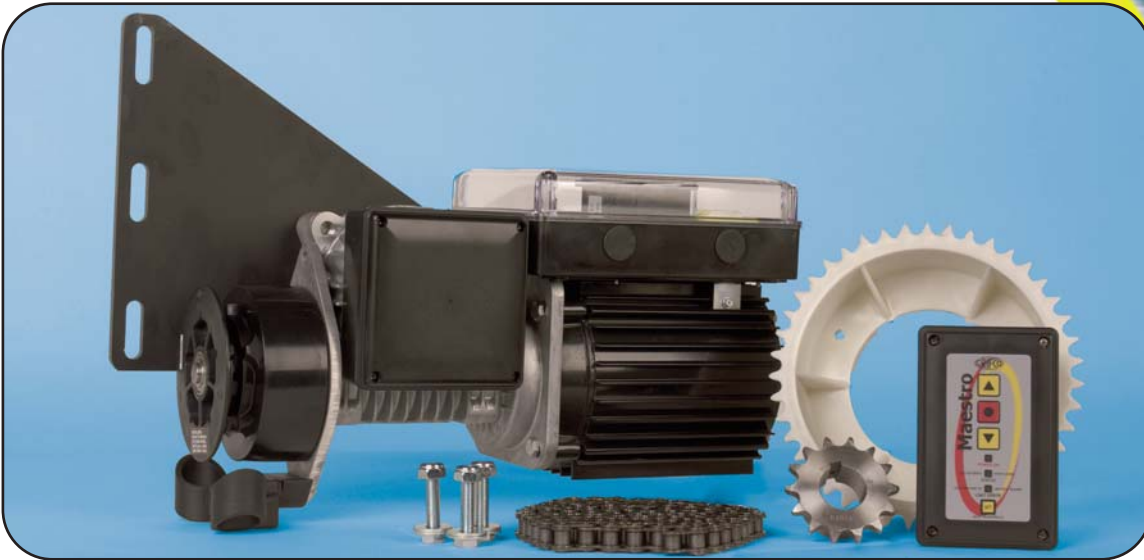




Light Industrial Door Operator

RKML053 – 0.37kw 0.5hp 415v 3 Phase



The three phase Maestro RKML053 is a versatile operator kit designed for the automation of light industrial roller doors. With only mains power to be connected and all components included, all you need is the door. Like all Grifco operators the Maestro maintains its proven strength and reliability with pressure die cast aluminium construction and high tensile gear materials.

Three limit position are provided standard and setting is simply done by push buttons on the low voltage Controller. Add to this the ability to upgrade easily to remote control and you soon see why most door manufacturers choose Grifco as their preferred operator.

Another feature of the Maestro is Grifco's patented Automatic Chain Engage Mechanism (ACEM) that allows the hand chain to remain on the emergency chain wheel at all times and provides instant manual operation in the event of a power failure.

KEY FEATURES

- Auto Chain Engage Mechanism (ACEM)
- Minimal wiring required (mains power only)
- 3 limits standard
- Overload and overheat protection
- Remote upgrade ready (no wiring)
- Auto reversing with safety edge or photo beam installed
- Call for service
- Push button set limits
- Multiple status output via LED
- 2 Year Warranty

Quick remote upgrade*



*Optional

Complete kit includes

- 0.5hp 3 phase operator
- Low voltage plug in Controller with 6m lead and glands
- Universal mounting plate and bolts
- Sprockets for door and operator
- Drive chain
- Installation guide



Accessories

Remote Control Kit - Immediate upgrade to remote control with 2 x 4 channel hand transmitters & receiver (433Mhz, no wiring required)

Interchangeable Controllers - A large range of Controllers are available with key switch operation and key switch isolation (no wiring, simply plug in)

Photo Beams - Reflective and beam to beam photo cells are available to provide added safety and allow for door behaviour modification (pulse to close)

Safety Bump Edge - A sensing edge for the bottom rail of door to reverse the door when closing on an obstruction

MinEB - The MinEB includes an onboard relay output with custom settable behaviour for applications such as dock leveller isolation, lights and siren outputs, delay on lighting, and even an oscillating light output

Elite Logic Control - For complete logic control functions including: Auto close (up to 5 mins), multi mode door behaviour incl. emergency services, variable door obstruction behaviour, 4 status relays for connection to external devices, plus many more features (incl. remote control and photo beam - all plug-in except photo beam)

Specifications

MOTOR	3 phase induction 'star'	
VOLTAGE	415AC three phase / 50Hz (other voltages available)	
LOAD	1.55 Full load amps	
POWER RATING	370 Watt / 0.5 horse power	
DUTY	Approx. 10 operations / hour	
OVERLOAD	Digital current sensing	
REDUCTION	Worm and wheel (47:1)	
INPUT	1350 RPM @ 50Hz	
OUTPUT SHAFT	31.75mm shaft x 8mm key	
OUTPUT SPEED	29 RPM	
OUTPUT TORQUE	74 NM @ 60% efficiency	
LUBRICATION	Molybdenum di-sulphide fluid grease	
MATERIALS	Housings	Pressure die-cast CA313 alloy
	Gearing	High tensile steel and bronze
	Bearings	Deep groove ball race
	Seals	Viton and nitrile single oil lip
LIMIT SWITCHES	Mechanism	Optical readers
	Resolution	6.92° @ output shaft
	Max rev.	300+ @ output shaft
	Max travel	10+ minutes



Remote control kit



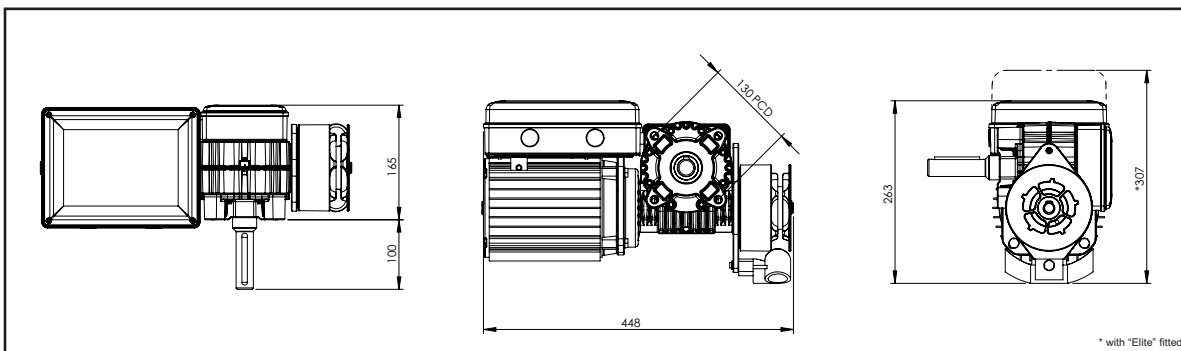
Interchangeable controller upgrades



Safety photo beams



Typical installation



* with "Elite" fitted

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