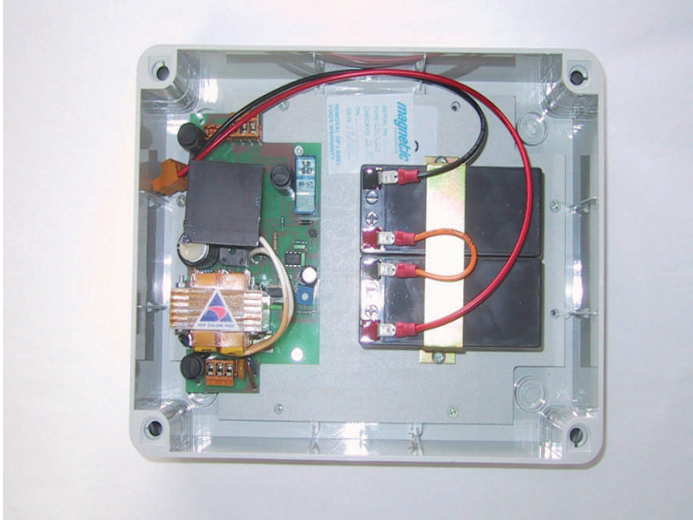




**MAGDRIVE**

**Info**



## **MAGDRIVE EM261 MAGNETIC LOCK CONTROLLER**

EM261.Pub

issue 1

### **DESCRIPTION**

The EM261 controller is designed to power an Electromagnetic Lock. It is mains operated with battery back-up in the event of a mains failure

### **INSTALLATION**

The housing for an EM261 is a plastic IP65 enclosure 380 x 180. To mount this enclosure remove the gearplate complete with PCB, and screw or bolt through the rear face. Seal with Silicon. Reinstall batteries in upright position with terminals at the top.

### **WIRING**

Install cable glands underneath enclosure to avoid ingress of moisture. See wiring diagram overleaf for input, output and mains connection.

- The EM261 is shipped with batteries disconnected to prevent total discharge.
- Connect batteries at time of mains power up.

To avoid battery damage disconnect batteries

- If reshipping the unit
- If AC mains is off for a prolonged period
- If a malfunction is suspected.

### **OUTPUT**

DC output voltage is nominally 29V but may vary between 28 – 30V, depending upon battery charge. Rated current is 0.5A

continuous.

### **INPUT & OPERATION**

In its rest state the controller provides a continuous 24V DC output to energise a magnetic lock.

Following a momentary contact closure across the input terminals the DC output voltage is inhibited (releases lock) for a period of 5 to 30 seconds. The release period is adjustable via an on board pre set potentiometer. After the lock release period, output voltage is restored until another input closure is made.

### **BATTERY CHARGING**

In the event of mains failure the internal batteries continue to power the Magnetic Lock and control electronics for approximately 12 hours (max). The internal battery charger charges a flat battery at a rate of approximately 0.6A to 0.75A. The open circuit charger output voltage is approximately 29 – 31 VDC.