

GUARANTEE

The Merlin range of energisers, manufactured by IO Tech Manufacturing (Pty) Ltd, are guaranteed for a period of one year from date of sale against defects due to faulty workmanship or materials.

IO Tech Manufacturing (Pty) Ltd will, at its discretion, either repair or replace a product that proves to be defective.

IO Tech Manufacturing (Pty) Ltd guarantees the product, when properly installed and used in line with the specification as determined by IO Tech Manufacturing (Pty) Ltd from time to time, will execute its function of generating a suitable potential. IO Tech Manufacturing (Pty) Ltd does not guarantee that the operation of the product will be uninterrupted or totally error free. Faulty units must be returned to: Nemtek Security, 64 Vervoer Street, West Industrial Park, Kya Sand, Gauteng, South Africa. Buyer shall pay all shipping and other charges for the return of the product to Nemtek Security.

LIMITATION OF GUARANTEE

The guarantee does not apply to defects resulting from acts of GOD, modifications made by the buyer or any third party, misuse, neglect, abuse, accident, and mishandling.

EXCLUSIVE REMEDIES

The remedies provided herein are IO Tech's sole liability and buyer's sole and exclusive remedies for breach of guarantee. IO Tech Manufacturing (Pty) Ltd shall not be liable for any special, incidental, consequential, direct or indirect damages, whether based on contract, tort, or any other legal theory. The foregoing guarantee is in lieu of any and all other guarantees, whether expressed, implied, or statutory, including but not limited to warranties of merchantability and suitability for a particular purpose.

NEMTEK GROUP OUTLETS

Nemtek Security
Kya Sands
☎(+27)(11) 4628283

One Stop Security Shop
Germiston
☎(+27)(11) 8222475

Sparkline
Edenvale
☎(+27)(11) 4521734

Web Site: <http://www.nemtek.com>
E-mail: nemtek@nemtek.co.za

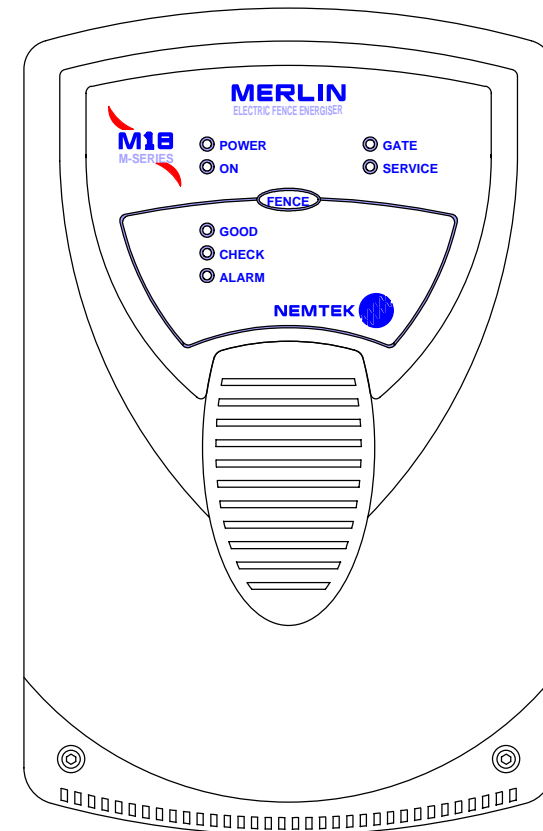
MANUFACTURED IN SOUTH AFRICA

E-NM18
E-NM15
E-NM14



MERLIN M-SERIES ELECTRIC FENCE ENERGISER

USERS MANUAL



M18



M15



M14

What is your electric fence?

An electric fence system consists of electric wires carrying high voltage electric pulses that provide a non-lethal repulse shock to an intruder. The system monitors for any tampering on the fence.

How does your electric fence work?

The energiser generates high voltage pulses from a built-in battery source. These pulses get fed via high voltage cables to the fence. The energiser also monitors for a loss of voltage on the fence that will cause an alarm to be activated

Does your fence need maintenance?

Keep any vegetation away from the fence and make sure the mains supply to the system is not interrupted.

What the lights mean.

	Power Light	On Light	Gate Light	Service Light	Good Light	Check Light	Alarm Light	Remarks
Fence Good	ON	ON	OFF	OFF	SLOW FLASH	OFF	OFF	Fence on, working properly
Mains Failure	OFF							System on battery power
Battery Low	SLOW FLASH							Check mains supply
Battery Flat	SLOW FLASH	SLOW FLASH		FAST FLASH				Check mains, call for service
Fence Off		OFF						Fence switched off
Fence Check		ON			SLOW FLASH	SLOW FLASH	OFF	Check fence for vegetation
Fence Check		ON				SLOW FLASH	OFF	Check fence for vegetation
Fence Alarm		ON					FAST FLASH	Problem on fence
Service Alarm				FAST FLASH				Call for service
Gate Open			FAST FLASH					Gate is open
Alarm Memory			ON	ON			ON	Old alarm condition

What do you do after alarm activation?

Determine the type of alarm from the table above and reset the alarm by switching the energiser off with the key-switch mounted on the side of the unit. Investigate the cause of the alarm and correct it. The alarm will not activate again unless the fault is cleared and the unit is switched on.

What can activate the alarm?

1. Fault on the fence that persists for more than 3 seconds.
2. A service fault caused by a faulty energiser, siren, strobe light, keypad or a low battery.
3. The gate left open for more than 4 minutes, this time delay can be changed via the keypad.

What will happen if you don't reset the alarm?

The strobe light and buzzer will be on till you reset the unit. The alarm will sound for 4 minutes and then switch off for 5 minutes. This on-off cycle will repeat three times, after that the alarm will not sound again until you cleared the fault and reset the unit. The alarm on-off and cycle times can be changed with the use of a keypad.

How do you know your fence is working?

You can determine the condition of the electric fence by looking at the indicator lights on the energiser unit or keypad. Under normal operating conditions the unit must indicate a Fence Good condition as shown in the table. It is advisable to test the electric fence system from time to time by putting a short on the fence.

Merlin Specifications:	M-18	M-15
Gate input:	One potential free contact input with built-in delay.	
Siren output:	One 12 Volts DC relay switched, fuse protected output.	
Strobe light output:	One 12 Volts DC relay switched, fuse protected output.	
Strobe and Siren current:	1.75 Amps in total maximum.	
Keypads:	Up to 4 Merlin Keypads or Merlin Fence Monitors	
Standby battery:	One 7AH 12Volts Lead-acid battery	
Charging Voltage:	16 Volts AC or 18 Volts DC	
Standby time:	7-8 Hours	9-10 Hours
Power Consumption:	12 W (Norm), 24 W (Max)	9 W (Norm), 20 W (Max)
Output Energy @ 500Ω:	8 Joules (Max)	5 Joules (Max)
Output Voltage @ 500Ω:	5700 Volts	
Output Voltage No Load:	7500 Volts	
Weight Including Battery:	9.5kg	
Dimensions:	350mm x 235mm x 125mm	