



MERLIN 4 – Electric Fence Energizer

USER MANUAL



E-MER4

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I N T R O D U C T I O N

Thank you for choosing our product! NEMTEK Electric Fence Energizers are designed and manufactured to provide many years of reliable use, if installed and maintained correctly. The guidelines provided in this manual will assist you with the basic operation and maintenance of your MERLIN 4.

The MERLIN 4 is designed and manufactured in South Africa for the international market. More information on our products, SABS test reports and general information is available on our web site at: <http://www.nemtek.com>

C O M P A N Y P R O F I L E

The NEMTEK Group of Companies manufacture and distribute intelligent electronic security and perimeter control systems and have been involved in the security industry since 1990.

We have our own research and development team, designing and manufacturing a full range of globally competitive electric fence energizers and related products

NEMTEK is continually updating its products according to international standards in order to ensure the highest quality products and continuous customer satisfaction.

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MANUFACTURED IN SOUTH AFRICA

G U A R A N T E E

The MERLIN 4 energizer, manufactured by IO Tech Manufacturing (Pty) Ltd, is 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 and totally error free. Faulty units must be returned to Nemtek, Units 4 & 5, 64 Vervoer Street, Kya Sand, Randburg, Gauteng, South Africa OR Nemtek Security Warehouse, Unit 4, Meadowdale Park, Cnr. Herman & Dick Kemp Roads, Meadowdale, Edenvale, Gauteng, South Africa. Buyer shall pay all shipping and other charges for the return of the product to Nemtek or Nemtek Security Warehouse.

L I M I T A T I O N O F G U A R A N T E E

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.

E X C L U S I V E R E M E D I E S

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.

SWITCH THE FENCE ON / OFF



To switch the fence On or Off, enter your four digit PIN followed by the # key. If the red ON light is lit or flashing, the fence is energized.

- Don't pause for more than 5 seconds while entering the digits, or the control panel will reject your PIN number.
- If you make a mistake while entering your PIN, press the # key and start again.
- An incorrect PIN will cause the control panel to beep 5 times.
- The default master (User # 1) PIN is **1 2 3 4**. The default user (User # 2) PIN is **5 5 5 5**

AFTER AN ALARM OCCURS



Enter your PIN and press the # key. This will silence the buzzer and siren. It will switch the fence off. One of the **ALARM** lights will flash or stay lit to indicate the source of the alarm. A flashing indicator illustrates that the fault condition persists. A permanently lit indicator notifies the user that the fault no longer exists.

CHANGE THE VOLTAGE ON THE FENCE



Enter your PIN and press the * key, enter the digit **3**, then press the # key. When the fence is on and in low voltage mode, the red **ON** light will flash. The red **ON** light will stay permanently lit if the fence is in high voltage mode. Use the low voltage mode when children are in the fence vicinity.

BYPASS THE FENCE ALARM



Enter your PIN and press the * key, enter the digit **1**, then press the # key. The **FENCE ALARM** light will start flashing slowly to confirm the fence alarm is bypassed. To cancel the bypass, repeat the same sequence of keys.

BYPASS THE SIREN AND STROBE LIGHT (SILENT ALARM)



Enter your PIN and press the * key, enter the digit **4**, then press the # key. The beeper in the control panel will still be active.

UN-BYPASS THE SIREN AND STROBE LIGHT



Enter your PIN and press the * key, enter the digit 7, then press the # key.

MAKE THE GATE ALARM IMMEDIATE



Enter your PIN and press the * key, enter the digit 2, followed by the digit 7, then press the # key. The **GATE ALARM** light will start flashing, with a cadence of one flash every 5 seconds, to confirm the gate alarm is immediate.

MAKE THE GATE ALARM DELAYED



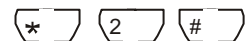
Enter your PIN and press the * key, enter the digit 2, followed by the digit 4, then press the # key. The default gate delay is 4 minutes.

BYPASS THE GATE ALARM



Enter your PIN and press the * key, enter the digit 2, then press the # key. The **GATE ALARM** light will start flashing slowly to confirm that the gate alarm is bypassed. To cancel the bypass, repeat the same sequence of keys.

TURN THE GATE CHIME ON / OFF



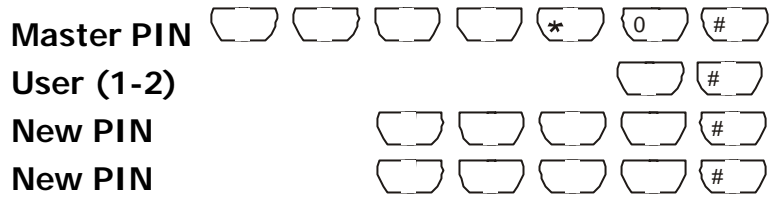
Press the * key, enter the digit 2, then press the # key. The control panel will beep twice to confirm that the gate chime is turned off and three times if it's turned on. If the chime is on, the control panel will beep twice if the gate closes and three times if it opens.

BYPASS THE SERVICE ALARM



Enter your PIN and press the * key, enter the digit 9, then press the # key. The **SERVICE ALARM** light will start flashing slowly to confirm that the service alarm is bypassed. To cancel the bypass, repeat the same sequence of keys.

CHANGING A USER PIN



Enter your master PIN, press the * key, enter the digit 0, then press the # key. Enter the user number (1-2), and push the # key. User number 1 is the master PIN. Enter that user's new PIN and press the # key. Enter the new PIN again and press the # key. If the new PIN is accepted, the control panel will beep twice. If you make a mistake while programming, or if the system rejects the new PIN, the control panel will beep three times. The default master user PIN is 1 2 3 4. Changing the PIN is only possible when the energizer is ON. Check the new PIN. If not accepted, the previous PIN will remain valid.

KEY DEFINITIONS:

Four digit Personal Identification Number (PIN)

NOTES:

- The Master User (i.e. User #1) can bypass alarm conditions.
- The Normal User (i.e. User #2) can only turn the energizer on/off.
- The installer may alter certain energizer parameters such as voltages and delay times.

WHAT THE LIGHTS MEAN

Condition:	Power Light	Good Light	On Light	Fence Light	Gate Light	Service Light	Remarks
FENCE GOOD	ON	SLOW FLASH	ON	OFF	OFF	OFF	Fence on, working properly
FENCE OFF	ON	OFF	OFF	OFF	OFF	OFF	Fence off, working properly
MAINS FAILURE	OFF						System on battery power
BATTERY LOW			ON			PULSE (5 SEC)	Check mains, call for service
BATTERY FLAT						FAST FLASH	Check mains, call for service
FENCE ALARM		OFF		FAST FLASH			Problem on fence
FENCE LV MODE			SLOW FLASH				Fence in low voltage mode
FENCE BYPASS				SLOW FLASH			Fence alarm switched off
GATE OPEN					FAST FLASH		Gate is open
GATE BYPASS					SLOW FLASH		Gate alarm switched off
INSTANT GATE					PULSE (5 SEC)		Instant gate alarm
SERVICE ALARM						FAST FLASH	Call for service
SERVICE BYPASS						SLOW FLASH	Service alarm switched off
ALARM MEMORY				(ON)	(ON)	(ON)	Old alarm. Turn off/on

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