

## Heavy Duty Rolling Door Opener

# GDO-10 Toro™

### DESIGNED WITH THE FUTURE IN MIND:

- ▶ Soft start/soft stop operation through 24V DC drive
- ▶ The intuitive LCD driven menu system allows for:
  - quick access to setup, maintenance or diagnostic functions
  - assigning a user's name to a transmitter, creating user groups, and access management
  - setup of a password to prevent tampering with settings
- ▶ 24 hour/7 day time clock which can automatically control user-programmed functions, such as keeping the door open on busy weekday mornings, or locking out everyone but master users on weekends
- ▶ Ready for integration with PE Safety Beams, loop detectors, swipe card systems, fire alarm functions and more
- ▶ Outputs to integrate safety flashing lights, courtesy lights (with optional 240V light relay), and other auxiliary devices



### SIMPLICITY IS THE KEY

- ▶ No electrician needed for setup – the GDO-10 plugs into a standard outlet saving time and money
- ▶ Magnetic Automatic Limits Positioning System (M-ALPS), which unlike optical limit systems, is highly resistant to dust, dirt and fouling by insects
- ▶ The integrated battery backup, with automatic activation, means your door needs no chains or fiddly clutches

### BUILT FOR DEMANDING SITUATIONS:

- ▶ 50% duty cycle - equivalent to approximately 600 operations per day
- ▶ Will open doors up to 28m<sup>2</sup>
- ▶ Ready to function with up to 511 TrioCode™ transmitters



Version	KIT CONTENTS				OPERATING MODES			
	Powerhead	Control Panel	PE Beams with wiring harness	TrioCode™ PXT-5 Transmitters	Safety Mode ("Deadman Switch")	"Press/Release" Control Panel	Remote Access via Transmitters	Auto-Close + Access via Transmitters
GDO-10 Full Auto					✗	✓	✓	✓
GDO-10 Basic			N/A	N/A	✓	✗	✗ (open only)	✗

# GDO-10 Toro™

## Specifications And Optional Accessories

### WHAT IS TRIOCODE™?

Garador's TrioCode™ multi frequency technology means your opener will never have interference from household wireless products such as baby monitors and wireless entertainment systems. So when you want your garage door to open, it will.



### WHY DO I NEED IT?

Most current garage door openers operate on a single 433MHz frequency with a wide reception bandwidth. Unfortunately many other household wireless products also operate on the same frequency and they don't have to be in your home, they can be in your neighbours'. If one of these items is being used in your area, or is malfunctioning, it has the potential to interfere with the operation of your garage door opener.

Garador™ Controll-A-Door™ openers now feature unique TrioCode™ multi frequency operation. The automatic frequency change function provides enhanced reliability and security, effectively overcoming common interference issues.

### TRIOCODE™ TRANSMITTERS

Available in both key ring, water-resistant and wireless wall mount models, TrioCode™ transmitters use multi-frequency technology to ensure airborne electronic interference is never an issue.

### INDUCTIVE LOOP DETECTOR

An inductive loop detector senses when the magnetic field is disrupted by a vehicle and activates the door. The loop detector is suitable in commercial situations where a trigger is required for entry/exit without the need for security authorisation.

### PE SAFETY BEAMS

Protect people and property with the P.E. Safety Beam. As soon as an object or person moves through the invisible safety beam, the door will stop or reverse to avert serious damage being done. Included as standard with the Full Auto version. Required for automated operation.

### SMARTSOLAR™ SOLAR POWER

The specially designed converter/charger board at the heart of the SmartSolar™ Solar Power kit makes eco-friendly power an affordable option. Needing only one solar panel, this board charges a battery backup unit thus allowing "green" operation at night or during inclement weather.

### TECHNICAL SPECIFICATIONS: GDO-10 TORO™

#### MOTOR & POWER

Input Power	240V 50Hz 10amp AC 1-Phase
Geared Motor Power	150W
Transformer Rating	150VA
Standby Power Consumption	2.6W
Lifting Force Max/Nominal	500N/150N
Limits System	M-ALPS (Magnetic Automatic Limit Positioning System)
Duty Cycle	25 cycles per hour/600 cycles per day (50% duty cycle)

#### DOOR SIZE

Max. Door Size (PLEASE NOTE - less for windlocked doors)	25m <sup>2</sup> (Based on Garador™ Series 2 Door without windlocks, consult your door supplier to confirm)
Max. Door Width/Height/Weight	5500mm / 5100mm / 270kg
Max. Limits Travel	5.5 drum wheel turns

#### DRIVE UNIT DIMENSIONS

Sideroom Required	195mm minimum
Weight	13.5kg (with batteries)

#### LOGIC CONTROL SPECIFICATIONS

Transmitter Capacity	511
Frequency	433.42, 433.92 & 434.42 MHz (Frequency Hopping)
Coding Type	Hopping Code
No. of Code Combinations	Over 4.29 Billion
Code Generation	Non-linear encryption algorithm
Courtesy Light Output	Relay Output
Auxiliary Output	Relay Output

#### INTEGRATED BATTERY BACKUP SPECIFICATIONS

Battery Type	2 x 12V 6Ah
Standby Charge	1 Days
Number of operations (varies on door size)	12 operations

#### KIT CONTENTS

Powerhead with inbuilt battery backup	Yes
Control Panel with CAT-5E Connection Cable	Yes
6 x Drive Finger Extensions	Yes
PE Beams with Wiring Harness	Yes (Full Auto Model Only)
PTX-5 TrioCode™ Transmitters	Yes (Full Auto Model Only)
2 x PTX-5 TrioCode™ Transmitters	Yes (Full Auto Model Only)

#### WARRANTY

Warranty	2 year parts warranty
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#### Notes / Information

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