



# Heavy Duty Rolling Door Opener

GDO-10v2L2 Toro™



 **3** Featuring  
TrioCode™  
Technology

automatic  
TECHNOLOGY

smart | simple | secure

Distributed by:

smart | simple | secure.

At **Automatic Technology** our every innovation, product and success is driven by those three words.

As we have done for the past quarter of a century, we continually strive to simplify your life by providing smarter access solutions.

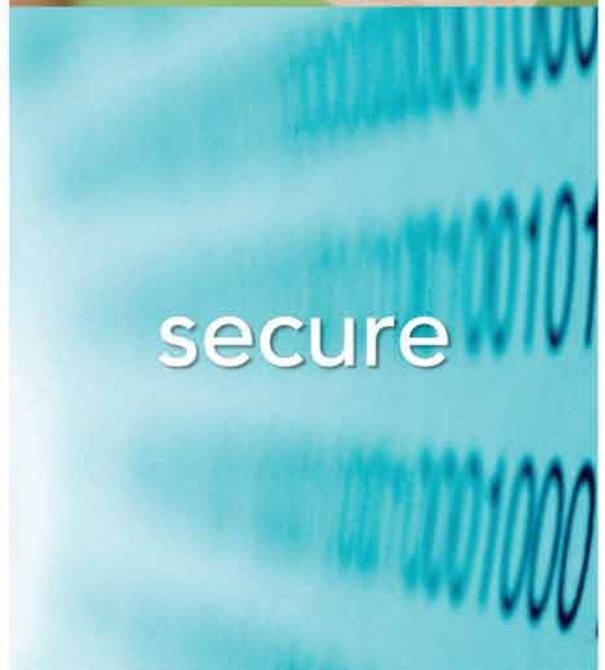
Designed and engineered in Australia by our internationally renowned team of innovators, **Automatic Technology** products define the future of automation by using the latest technology, processes and production methods to make doors and gates **smart, simple and secure.**

### What is **TrioCode™**?

**TrioCode™** is a revolutionary new coding system that provides enhanced reliability and security.

Increasingly, garage door and gate opener transmitters are jammed by wireless and cordless devices in the owner's or a neighbouring home, usually when both units compete for the same frequency.

**TrioCode™** overcomes this challenge by simultaneously transmitting on three different frequencies. Even if two frequencies are jammed, the **TrioCode™** transmitter will still operate your door or gate.



## What makes Automatic Technology openers so different?

From the standard systems that reduce noise and improve safety, through to eco-conscious options like SmartSolar™, each Automatic Technology opener comes with its own unique selection of the features listed below:



dc motor

### DC Motor

DC motors deliver as much power as old-style AC motors, but with less noise and vibration. DC also offers features such as soft start/soft stop.



soft stop/start

### Soft Start/Soft Stop

Ramping speed up and down at the start and end of each cycle reduces stress on the door and opener for longer life, and makes for quieter operation.



intelligent safety system (iss)

### Intelligent Safety System (ISS)

If contact is made with an obstruction while moving, the opener either stops or reverses the door to reduce injury to persons and damage to property.



door profiling

### Door Profiling

The amount of power needed for different stages of the door's travel is learnt during setup and is constantly reprofiled. This helps ISS to do its job.



courtesy light

### Courtesy Light

Switching on with each cycle to illuminate your darkened garage, the time adjustable courtesy light can also be operated independently of the door.



time clock

### Time Clock

A programmable 24-hour, 7-day time clock that can integrate with operating modes such as auto-close and pedestrian settings.



auxiliary output

### Auxiliary Output

The auxiliary output can activate other devices, such as an existing garage door opener or alarm system, from your new TrioCode™ transmitter.



battery backup

### Battery Backup

Charging from the mains, the optional battery backup switches over automatically in the event of power failure.



solar

### SmartSolar™ Solar Power

The optional SmartSolar™ kit allows for installation on unpowered sites, or for green-friendly operation.



auto close

### Auto-Close Mode (only with P.E. Beams)

Auto-Close ensures peace of mind and keeps your premises secure by automatically closing the door upon entering or exiting.



service indicator

### Service Reminder

As one of your premises' largest moving items, the door needs periodic service for long life and safe operation. Our openers can remind you it's due through audible and visual reminders.



vacation mode

### Vacation Mode

Locking out all but one master transmitter, Vacation Mode ensures your opener cannot be operated until your return.



ventilation mode

### Ventilation Mode

Allows you to set up a limited opening height for your door, ideal for pedestrian only heights or ventilation for hot, summer days.



# GDO-10v2L2 Toro™

## 1000N HEAVY DUTY ROLL UP DOOR OPENER

The **GDO-10v2L2 Toro™** is a feature rich, easy-to-use and versatile "one box" solution for commercial and light industrial rolling door applications.

### Safety & Security



### Power & Mounting Systems



### Operating Modes & Features



### Optional Extras



For exceptional reliability, the main drive gear is reinforced by a twin roller bearing assembly. This ensures optimal power transfer through to the drive gear even on the most difficult of doors.



Integrated as standard, the battery backup switches over automatically in the event of power failure.

The wall mounted logic control with LCD screen provides an easy-to-use, ground level interface for the opener. It also incorporates extensive features, detailed overleaf.



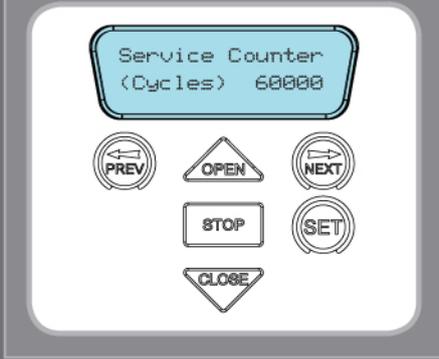
# Logic Control Parameters & Menu Structure

Menu Structure	1	<b>Code Transmitter</b>	Code in transmitters, then individually assign alpha-numeric usernames and define button functions (e.g. Button 1 for Open/Close, Button 2 for Vacation mode, Button 3 for light operation). Up to 511 transmitters can be stored and customised.
	2	<b>Current Trips (Obstruction Margins)</b>	Alter the level of obstruction required to trip the opener's safety mechanisms. Individually adjustable for open and close cycles.
	3	<b>Auto-Close Times</b>	Define individual Auto-Close times for various controlling inputs. e.g. Set a longer Auto-Close time for PE Beam triggered open cycles compared to pedestrian mode. PE Beam close modes add extra safety by ensuring doorway is clear during open/close cycles.
	4	<b>Light/Lock Times</b>	Adjust time settings and operating modes for external lights and locks, with independent open and close cycles settings. (240V lights require purchase of optional 240V light relay.)
	5	<b>Motor Settings</b>	Define individual closing and opening speeds for the <b>GDO-10 Toro™</b> to provide the best and safest performance for the job.
	6	<b>Operating Modes</b>	Manage various operating inputs like PE Beams and swipe cards, view activity reports, activate vacation mode and password protect the <b>GDO-10 Toro™</b> , and much more.
	7	<b>Time Clock</b>	Set time and day, manage time and/or day related access programmes.
	8	<b>Diagnostics</b>	Test input functions, display usage history, determine when a service is due, assess number of open/close cycles and frequency of encountered obstructions.
	9	<b>Memory Tools</b>	Delete individual users or user functions – handy for ensuring security when transmitters are lost or lock out de-authorised persons. Also able to backup, import or copy users and access levels from the PG-3 Programmer.
	10	<b>Setup Travel</b>	Set open and close limits for both normal operation and pedestrian mode, where the door closes to a height under which persons can walk.

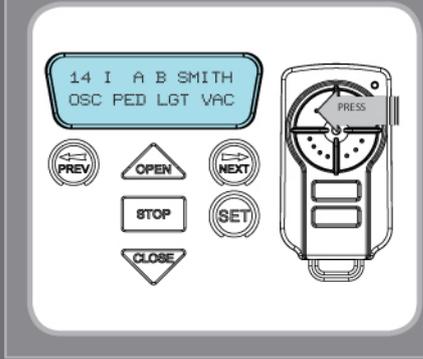
Setup and operation is simple with the LCD menu system. On-screen prompts guide you through each process. No more guessing what beeps and flashes mean!



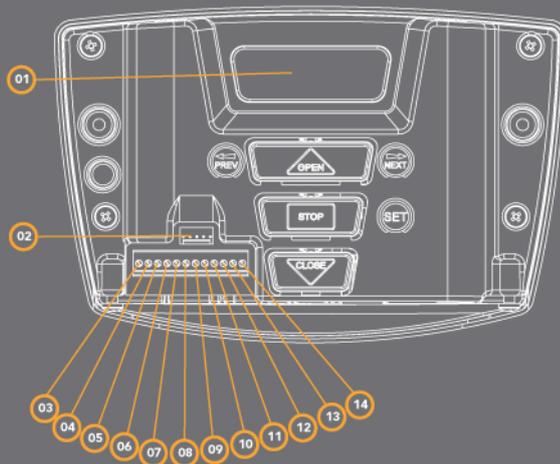
Easily review the last 64 usages of the opener, see overall histories, setup service reminders, define operating modes and much more through the menu system.



Transmitters can be assigned alpha-numeric names to simplify management, allowing you to edit functions, assign to user groups or even delete without the user onsite!



- 01 LCD Screen
- 02 PG-3 Programmer Terminal
- 03 AUX OUT Receiver's Auxiliary Output
- 04 V+ Accessory Supply
- 05 SB3 Third Safety Beam Input
- 06 SB2 Second Safety Beam Input
- 07 SB1 First Safety Beam Input
- 08 0V Common For Safety Beams
- 09 0V Common Terminal For Control Inputs
- 10 FIRE N/O , N/C Input Terminal
- 11 GPI N/O Input Terminal
- 12 OPN N/O , N/C Input Terminal
- 13 STP N/O , N/C Input Terminal
- 14 CLS N/O Input Terminal

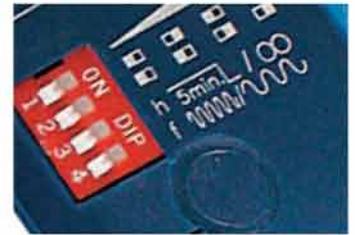


## Optional Accessories for Heavy Duty Roll Up Door Openers

Make your premises even more smart, simple and secure with our range of great accessories.

### 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.



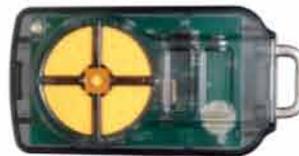
### PG-3 Programmer

The PG-3 Programmer provides a higher level of diagnostic and maintenance functionality, including special mode access, backup of transmitters and more. Comes with custom designed hard case for durability.



### TrioCode™ Keyring Transmitters

Each of these transmitter's four buttons can operate a separate function or opener, allowing access to multiple sites from one convenient unit. Best of all, TrioCode™ technology ensures this transmitter works every time.



### TrioCode™ Water Resistant Transmitters

Featuring all the benefits of TrioCode™ technology, this sleek unit is also splash resistant. Being caught out in a sudden rain shower or being splashed by the garden hose is no longer a concern!



### TrioCode™ Wireless Keypad

An ideal solution where secured access is required, for instance delivery drivers or out-of-hours staff, the weatherproof wireless keypad allows access without a transmitter. With back lit numbers for day or night use, multiple users can have unique codes for specific door and gate access.



### TrioCode™ Stand-Alone Receiver

The versatile Stand-Alone Receiver allows non-TrioCode™ devices to be controlled with the spare buttons on your transmitter. Whether connected to another brand of door or gate opener, an alarm system or even garden lights, the Stand-Alone Receiver removes the need for multiple remote types.



### PE Safety Beams

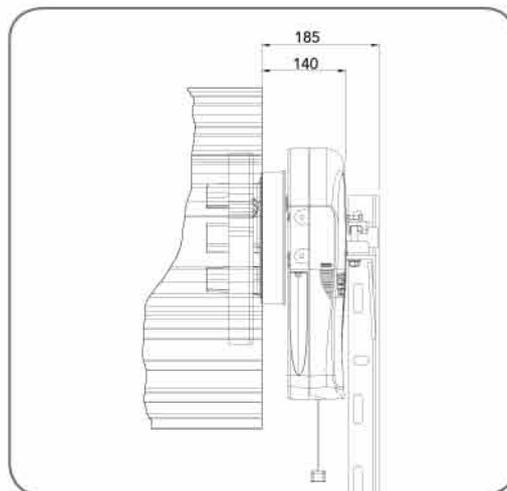
Protect your family and your car with the PE Safety Beams. As soon as an object or person moves through the invisible safety beam the door will stop or reverse to avert serious damage being done.





## from gate to garage

Technical Specifications	GDO-10v2L2
Input/Motor Voltage	230Vac - 240Vac 50Hz / 24Vdc
Transformer Rating	150VA
Standby power	2.6W
Min. Headroom <i>(top of C-Rail to highest point of door travel)</i>	N/A
Min./Rec. Sideroom <i>(curtain edge to inside of door bracket)</i>	140mm/185mm
Weather-Resistant Rating	IP20
Maximum Door Area	28m <sup>2</sup>
Maximum Door Height	5.5 Turns Door Drum (approx. 6 metres)
Peak Lifting Force	1000N
Typical Travel Speed	120mm/sec
Receiver storage capacity	511 x 4 button Transmitters
Receiver/Transmitter type	Multi-frequency UHF FM (434.37, 433.47 & 433.92MHz)
Coding type	Code hopping (Non-linear encryption algorithm)
No. of code combinations	4.29+ billion random codes
Warranty	2 year / 5,000 cycle parts warranty





## Automatic Technology Product Range



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### Automatic Technology (Australia) Pty Ltd

ABN 11 007 125 368

6-8 Fiveways Boulevard, Keysborough, Victoria 3173 Australia

P 1300 133 944 | +61 3 9791 0200 (International Enquiries Only)

E sales@ata-aust.com.au | www.ata-aust.com.au

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