GDO-10 Toro™

Heavy Duty Roll Up Door Opener

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

TrioCode™ Multi-Frequency Coding Technology

3 Featuring **TrioCode™** Technology

A world leading transmitter system, Garador's TrioCode™ multi-frequency coding technology overcomes the all too common interference issues while maintaining security through over 4.29 billion random code possibilities.

Easy To Fit

The **GDO-10** simply bolts to the axle, unlike traditional bulky commercial openers, making for simple and safe installations.

Wall Mounted Logic Control System with LCD Display

The wall mounted logic control, connected to the drive unit via a standard CAT-5 connection, provides:

- UP, DOWN and STOP buttons for door control
- Storage for up to 511 transmitters with customisable alpha-numeric names e.g. "AB SMITH1",
- 24-hour time clock that can integrate with operating modes such as auto-close and pedestrian settings
- Integration for operating inputs such as magnetic/pulse locks, P.E. Beams and loop detectors
- Multi-button menu system with LCD readout
- Password protection to regulate access to setup menus
- PG-3 Programmer connection for enhanced feature access

Operating Modes

Mode	P.E. Beams Required?	Operates from Wall Controls?	Operates from Remotes?
Standard (Safety)	✘	✔	✘
Automatic	✔	✔	✔
Auto-Close	✔	✔	✔

Soft Start/Soft Stop

Speed ramping reduces stress on the door and opener, and makes for quiet operation.

Battery Backup

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

SmartSolar™ Solar Power

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

Intelligent Safety System

If contact is made with an obstruction while moving, the **GDO-10** either stops or reverses the door.
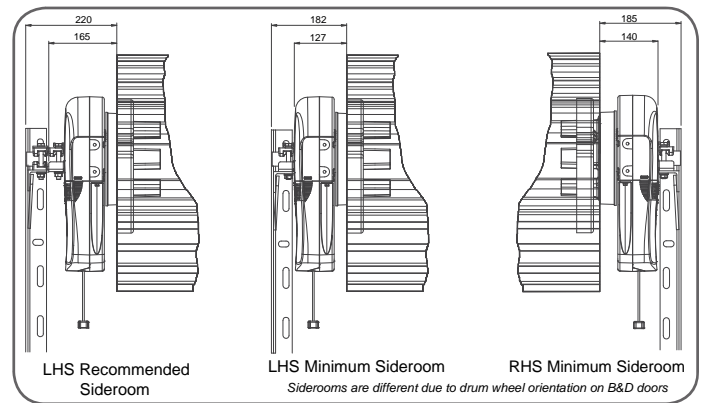
Door Profiling for Increased Safety

The force needed to safely move the door throughout each cycle is continually re-profiled. By only using the appropriate amount of force, the **GDO-10** can more quickly sense, and react to, obstructions in the door's path.

ALL NEW! M-ALPS (Magnetic Automatic Limits Positioning System)

Using a unique magnetic sensing system that is highly resistant to dust, grease and other elements, M-ALPS makes setup easy and maintains millimetre perfect limits even as the door ages.
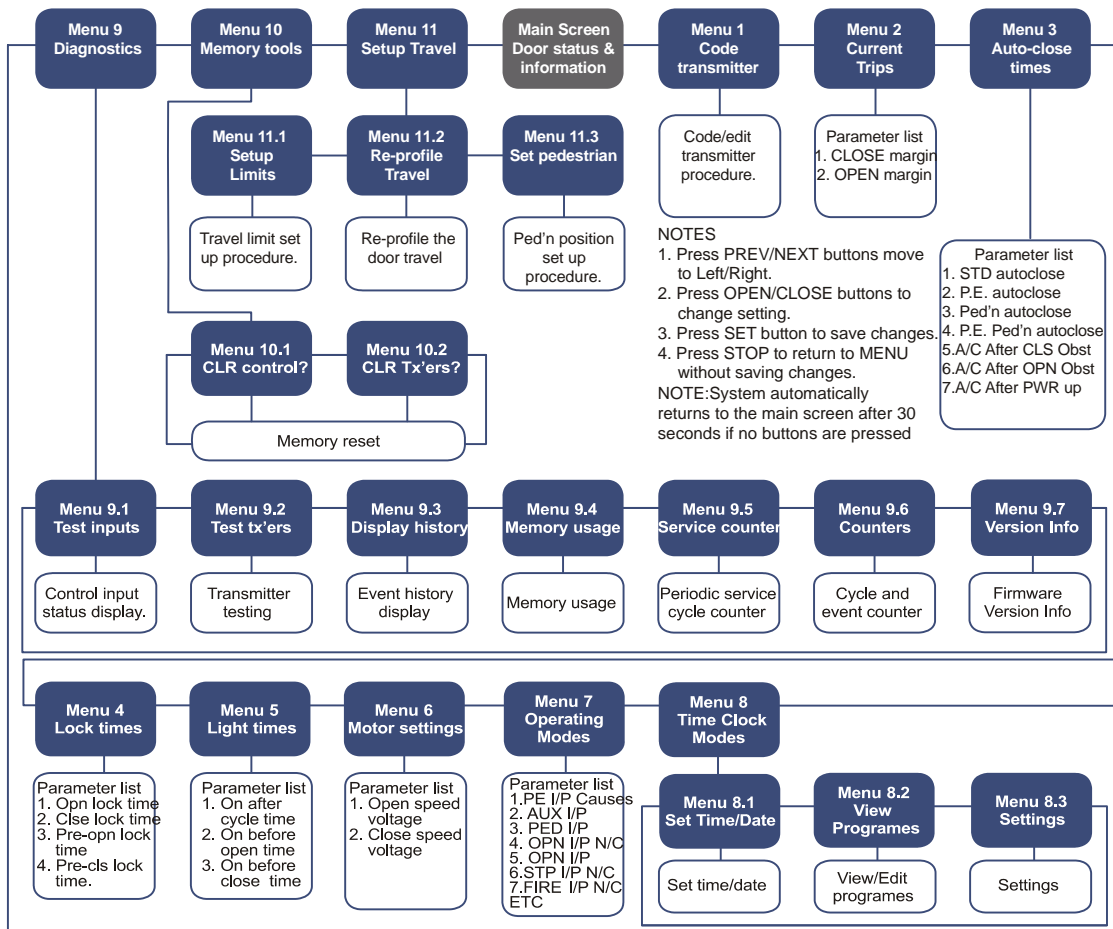

LHS Recommended Sideroom — LHS Minimum Sideroom — RHS Minimum Sideroom

Siderooms are different due to drum wheel orientation on B&D doors

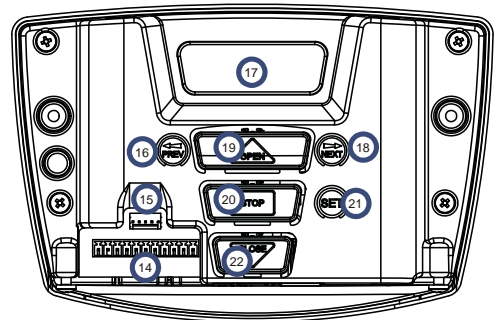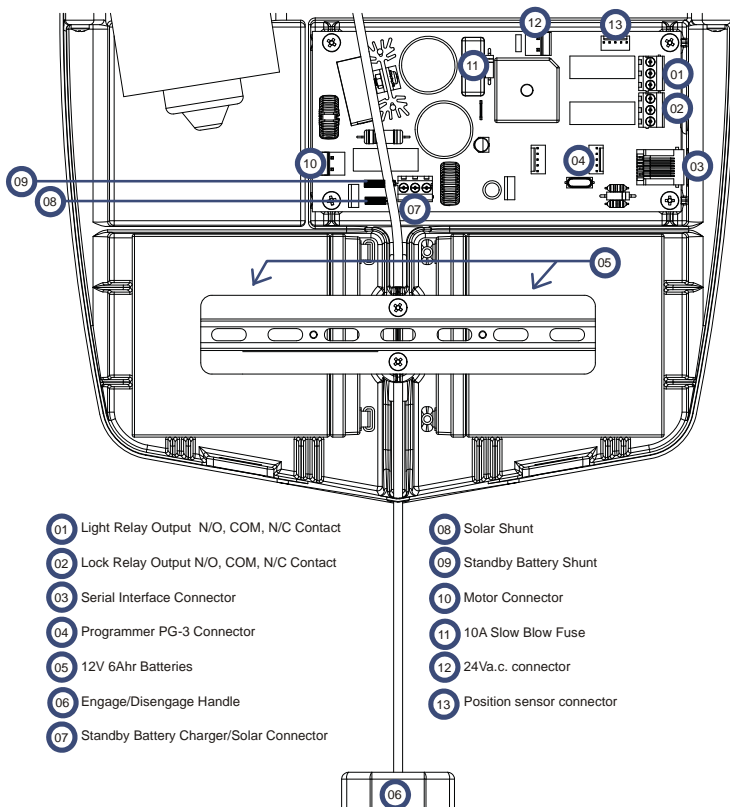| Specifications – GDO-10 Toro™ (Order Code #00120)	
Input	230Vac – 240Vac 50Hz
Controller Voltage	24Vdc
Standby Power	2.6W
Motor Power	150W
[1] Max. Door Width/Height/Weight	5500mm / 5100mm / 270kg
Maximum Door Area	~25m^2
Lifting Force – Max/Nominal	500N / 150N
Opener Limits Travel	5.5 turns of drum wheel
Standard Fork Length	85mm
Duty Cycle	25 operations per hour
Receiver/Transmitter Type	UHF ~433.92 MHz fm
Receiver Storage Capacity	511 x TrioCode™ transmitters
Coding Type	Code hopping (Non-linear encryption algorithm)
No. of Code Combinations	4.29+ billion random codes
Transmitters in Box	2 x PTX-5 Keyring Transmitters
Warranty	2 year parts only warranty

1 The door must be well balanced. An average person should be able to easily lift the door in an emergency.

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an alesco company

GDO-10 Menu Structure

Menu 9 Diagnostics	Menu 10 Memory tools	Menu 11 Setup Travel	Main Screen Door status & information	Menu 1 Code transmitter	Menu 2 Current Trips	Menu 3 Auto-close times

Menu 11.1 Setup Limits — Travel limit set up procedure.

Menu 11.2 Re-profile Travel — Re-profile the door travel

Menu 11.3 Set pedestrian — Ped'n position set up procedure.

Menu 1 Code transmitter — Code/edit transmitter procedure.

Menu 2 Current Trips — Parameter list
1. CLOSE margin
2. OPEN margin

Menu 10.1 CLR control? / **Menu 10.2 CLR Tx'ers?** — Memory reset

NOTES
1. Press PREV/NEXT buttons move to Left/Right.
2. Press OPEN/CLOSE buttons to change setting.
3. Press SET button to save changes.
4. Press STOP to return to MENU without saving changes.
NOTE: System automatically returns to the main screen after 30 seconds if no buttons are pressed

Menu 3 Auto-close times — Parameter list
1. STD autoclose
2. P.E. autoclose
3. Ped'n autoclose
4. P.E. Ped'n autoclose
5. A/C After CLS Obst
6. A/C After OPN Obst
7. A/C After PWR up

Menu 9.1 Test inputs — Control input status display.

Menu 9.2 Test tx'ers — Transmitter testing

Menu 9.3 Display history — Event history display

Menu 9.4 Memory usage — Memory usage

Menu 9.5 Service counter — Periodic service cycle counter

Menu 9.6 Counters — Cycle and event counter

Menu 9.7 Version Info — Firmware Version Info

Menu 4 Lock times — Parameter list
1. Opn lock time
2. Clse lock time
3. Pre-opn lock time
4. Pre-cls lock time.

Menu 5 Light times — Parameter list
1. On after cycle time
2. On before open time
3. On before close time

Menu 6 Motor settings — Parameter list
1. Open speed voltage
2. Close speed voltage

Menu 7 Operating Modes — Parameter list
1. PE I/P Causes
2. AUX I/P
3. PED I/P
4. OPN I/P N/C
5. OPN I/P
6. STP I/P N/C
7. FIRE I/P N/C
ETC

Menu 8 Time Clock Modes

Menu 8.1 Set Time/Date — Set time/date

Menu 8.2 View Programes — View/Edit programes

Menu 8.3 Settings — Settings

GDO-10 Input/Output & Component Layout

01 Light Relay Output N/O, COM, N/C Contact
02 Lock Relay Output N/O, COM, N/C Contact
03 Serial Interface Connector
04 Programmer PG-3 Connector
05 12V 6Ahr Batteries
06 Engage/Disengage Handle
07 Standby Battery Charger/Solar Connector

08 Solar Shunt
09 Standby Battery Shunt
10 Motor Connector
11 10A Slow Blow Fuse
12 24Va.c. connector
13 Position sensor connector

14 Terminal Block (from left to right)
V+ (P.E) P.E Beam's + supply
IN (P.E) P.E Trigger Input
V- (P.E) P.E Beams - supply
OUT <— Receiver's Auxilary output
FIRE N/O , N/C input terminal
AUX N/O input terminal
OPN N/O , N/C input terminal
STP N/O , N/C input terminal
CLS N/O input terminal
SWP N/O input terminal
COM terminal for inputs

15 PG-3 Programmer Input
16 Console PREVIOUS Button
17 Liquid Crystal Display
18 Console NEXT button
19 Console OPEN button
20 Console STOP button
21 Console SET button
22 Console CLOSE button