

# THE MIRACLE-ONE LINEAR RESIDENTIAL GATE OPERATOR

The Miracle-One™ is one of the first linear mechanical, 24 volt DC gate operators that offers all the features the consumer demands. One of these features is variable speed, which is electronically controlled by a micro controller and precise limit switch system. The gate operator starts the cycle slowly, increases in speed, then comes to a stop slowly with the use of internal limit switches. This reduces stress and creates consistently smooth operation. Battery backup is included to provide fully functional operation for 100-200 cycles in case of power failure. Also included are a 2 way reversing sensor and a vandalism/burglar alarm indicator. The state of the art features offered in the Miracle-One™ make it one of the most advanced operators in the world and will create new standards in the gate operator industry.

## **MECHANICAL SPECIFICATIONS**

- Can Be Installed Two Ways: Open Inside Close Outside Or Open Outside Close Inside.
- Capabilities: Max Gate Size 15' Wide, 600 Lbs.
- Travel Speed: 14 To 18 Seconds 90° Opening.
- Dimensions: L 39 1/2" X W 3 1/2" X H 4".
- Operation Cycles: 100 Cycles / day
- Torque: 600 Lbs. Of Torque.
- Shipping Weight: 58 Lbs.
- Motor: 24V DC, 12 Amp
- Finishing: Aluminum
- Output Shaft: 1" Shaft



## **ELECTRONIC SPECIFICATIONS**

- Running System: Microcontroller With Built-in Watchdog System.
- Modular Board: Uses Leds To Indicate All Input And Output Functions.
- Erd Sensor: If The Gate Hits A Vehicle While Opening, It Will Reverse A Few Inches And Stops. If The Gate Hits A Vehicle While Closing, It Will Reopen.
- Timer: Can Be Set From 3 To 60 Seconds, Or "push-open/stop/close" Operation.
- Master/slave: Dictates Synchronized Movement Between Two Gate Operators.
- Safety Loop Input: Anti-tailgating System Uses A "stop Only" Method Of Operation. This Input Will Not Work As A Commercial Loop System.
- Alarm Output: Can Be Interfaced With Any Home Alarm System. Alarm Will Sound If The Gate Is Forced Open. Optional Siren Can Be Installed.
- Spike Suppressors: System Is Protected By Spike Suppressors.
- Alternate Outputs: Sensor Alarm, Alarm System, And Magnetic Locks.
- Electronic Inputs: Any Type Of Radio Receiver, Full-control System "push-open/stop/close", Safety Loop, Photocell, Telephone Entry, And Key Switch.
- Control Board Housing Dim.: Length 10.5" - Width 4.25" - Height 12"
- Housing Finish: Entire Housing Is Polyethylene plastic



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## UNIQUE DESIGN FEATURES AND FUNCTIONS



In case of an emergency, the gate can be operated manually by using the convenient key release on the operator.



The operator starts the cycle slowly, increases in speed, then comes to a stop slowly using the limit switch system.



The limit switch system allows adjustment of the gates traveling distance for precise and reliable operation.



To avoid injury, Elite highly recommends the installation of a photocell sensor as a secondary means of protection.

A Magnetic Lock System can be incorporated into the Miracle-One™ control board for higher security.



The standard battery backup will keep the gate operator fully functional when there is a power failure.



While opening, if the gate hits a vehicle, it reverses a few inches and stops. If it is closing and hits a vehicle, it will reopen.



An alarm can be incorporated into the control board to alert homeowners when the gate is forced open.



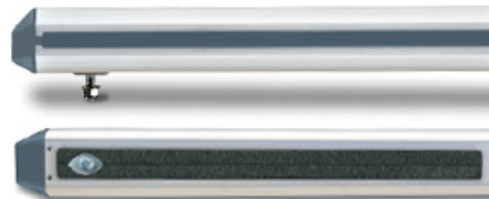
## MASTER/SLAVE PACKAGE

The Miracle-One is available in an optional master/slave package. Synchronized gate operator movement is dictated by a single control board.



## THE MIRACLE-ONE-DP

This model includes the same functions as the Miracle-One with the added feature of a dust protection underside.\*



\* dust protectant not sold as an option

## TWO YEAR WARRANTY

Elite Access Systems, Inc., warrants the Miracle-One™ and Miracle-1DP™ gate operating systems to be free of defects in workmanship and material for a period of two years from the date of purchase. This warranty does not cover battery or other external accessories.



MIRACLE - ONE

Design and specifications subject to change without notice.