

VECTOR 2



- VECTOR 2 Receiver Layout**
- 1. Light green marking (LED) lights, which will indicate gate position.
 - 2. Check for correct polarity of the receiver - correct polarity can be checked by the position of the receiver - correct polarity can be checked by the position of the receiver.
 - 3. Receiver is connected to the power supply (24V) and gate opener.
 - 4. Receiver is connected to the power supply (24V) and gate opener.
 - 5. Receiver is connected to the power supply (24V) and gate opener.
 - 6. Receiver is connected to the power supply (24V) and gate opener.
 - 7. Receiver is connected to the power supply (24V) and gate opener.
 - 8. Receiver is connected to the power supply (24V) and gate opener.
 - 9. Receiver is connected to the power supply (24V) and gate opener.
 - 10. Receiver is connected to the power supply (24V) and gate opener.
 - 11. Receiver is connected to the power supply (24V) and gate opener.



Vector 400 double swing kit

R9,875.66

VECTOR₂ – DOMESTIC AND LIGHT-INDUSTRIAL LINEAR SWING GATE MOTORS

For **domestic and light industrial swing gate applications** – the **VECTOR₂ linear swing gate system** with battery backup offers a **quick and easy** (not to mention good looking) installation. It is an exceptionally strong set of operators for gates up to 4m wide, per leaf (consult specifications for further details).

The low profile shape of the **VECTOR₂** linear swing gate motor enhances its aesthetic appeal and allows it to blend in unobtrusively with the design of the gate. With full position control the system provides pinpoint stopping of the gate in the open and closed positions without the need for mechanical endstops. Added to this its **sophisticated speed control circuit** smoothly operates the gate with **reduced shock, reduced loading, and extended reliability**.

Setup of the system using the **VECTOR₂** controller with an **intuitive, easy-to-use LCD interface**, is absolute child's play. Choosing from a wide range of features, the **VECTOR₂** system can be adapted to suit almost any application.

In 2009 the **VECTOR₂** became a winner of the prestigious **SABS Design Institutes Design Excellence Awards**. This was a befitting follow up of the VECTOR prototype winning an SABS Design Institute Prototype Award in 2004.

Product Description



- **Low profile in-line design**
- The **VECTOR2** has a **low profile design** with in-line construction of the motor, gearbox and actuating piston. This enhances the **aesthetic appearance** of the operator allowing it to blend in as unobtrusively as possible with the design of the gate.
- **Easy to install**
- The fully integrated **linear action operator** with no complicated linkages makes the installation of the system **very quick and easy**. Added to this, the internal position control mechanism simplifies the installation even further, as the gates no longer require end-of-travel endstops. Combined with different optional mounting bracket kits, the **VECTOR2** can be fitted to almost any swing gate pillar.
- **High push force**
- The **high-torque DC motor** operating through an efficient planetary gearbox, delivers a potent 250kg push force. The **VECTOR2** is capable of reliably operating swing gates in the majority of **domestic and light-industrial** applications.

- **Revolutionary brake**
- The revolutionary centrifugal brake developed for the **VECTOR2** ensures secure locking of the operator when the gate is both open and closed.
- **Internal limits**
- The **VECTOR2** double-redundant opto-electronic internal limit system guarantees very **reliable operation and precise control** of the movement of the gate.
- **Complete speed control**
- The **VECTOR2** electronics, with ‘**Quadra-Drive**’ speed control, maintains **smooth and quiet starting and stopping** of the gate regardless of its condition and ambient temperatures, even after many years of service. The state of the art control reduces the operating stresses and extends the life of both the operator and the gate.
- **Swift operation**
- The mechanical gearing of the **VECTOR2**, combined with its leading-edge speed system maintains rapid and precisely controlled opening and closing of the gate for **greater convenience and security**.
- **Safe battery backup**
- With only a low voltage battery supply powering the **VECTOR2 swing gate motor**, the system is totally safe from risks such as electrocution, and has the added benefit of providing power-failure protection. The added efficiency of the operator results in an exceptional number of uses, even off a low capacity battery in the event of a power failure.
- **Sensitive anti-crushing control**
- The **VECTOR2** controller accurately monitors any obstructions to the movement of the gate and ensures **ultra-safe operation** against crushing and provides end-user peace of mind.
- **All-weather construction**
- All external components of the operator are manufactured from a combination of stainless steel, epoxy-coated coastal-grade aluminium and UV-stabilised engineering polymers. This guarantees a **robust and durable** unit in both inland and coastal environments.
- **Easy to use**
- The **VECTOR2** controller, combined with its Liquid Crystal Display (LCD), provides a very **intuitive and easy to use** menu system for setting up the end-of-travel limits and all features available on the system. Offering an extensive range of useful features, the controller is **incredibly versatile** and has the ability to adapt the system to suit the requirements for almost every user.
- **Operate wirelessly**
- Besides its **ultra-secure** code-hopping technology offering the highest level of remote control security, this CENTURION onboard receiver is both multichannel and multi-user. It allows for multi-button remote controls to operate any combination of the system inputs, such as Gate Trigger, Pedestrian Opening, Holiday Lockout, etc. It stores up to 64 transmitter buttons, and amongst other access control features, it provides the ability to selectively add and delete transmitter buttons saved into its memory.
- **Break-in Alarm₂ (a world first)**

- Make use of the gate motor safety beams to activate a third party alarm, such as armed response, if a would-be intruder loiters at the gate trying to devise a way to get in. The alarm activates for the period of time that the beam is broken and for thirty seconds thereafter.
- 2. Requires gate safety beams to be installed
- **Ambush Alarm₃**
- Counter the security risk presented by a would-be intruder using the opportunity of covering the gate motor beams, waiting for the gate to be opened and stay open and ambush an unsuspecting homeowner. This feature will set off an alarm if the beams have been blocked for an extended period of time. The alarm remains active while the beams remain broken.
- 3. Requires gate safety beams to be fitted

Models

VECTOR2 400 – Reliable operator with a shorter stroke for the majority of domestic swing gate applications

VECTOR2 500 – Extended stroke for larger domestic and light-industrial swing gate applications