

- **Advanced drive control algorithm**
- **50A power rating**
- **Integrated heat-shield**
- **Robust design**
- **High-definition LED display**
- **Industry-standard connections**
- **Flexible cable for easy routing**
- **Designed for ease of installation**
- **Advanced service functions**



The newVSI controller is the ideal choice for wheelchairs that require a standard drive only configuration. This is especially true where space is at a premium, such as on folding wheelchair applications. The newVSI has been designed specifically to meet this market.

The newVSI's reduced size allows the wheelchair manufacturer a real alternative to remote systems without compromising on the overall look of the wheelchair. The reduced overall size is achieved without compromising power, drive performance or reliability. The newVSI offers all the durability and functionality the wheelchair manufacturer and user has come to expect from the market leader in controllers for the mobility market.

Configurations

The newVSI is supplied with industry-standard cable options, with either Beau or Anderson connections to the batteries and motors. This enables an easy transition on

existing applications and also makes newVSI the ideal choice for new applications.

Advanced drive control

The newVSI drive control algorithm has been enhanced to offer the smooth drive feel the customer has come to expect from the world's leading wheelchair controller manufacturer. The performance of the newVSI is comparable to our other market leading wheelchair controllers.

Integrated heat shield

The electronic components that make the newVSI generate heat. The heat is dissipated through a mass of metal called a heat-sink. In previous generations of integral control systems the heat-sink was an exposed part. With the newVSI the heat-sink is entirely enclosed by a plastic case. When the control system is mounted on the arm of the wheelchair, the user cannot come into direct contact with any metal parts.

Robust design

The small footprint makes the newVSI less prone to impact damage, reducing warranty and service costs. PG Drives Technology have gone to great lengths to improve the reliability of newVSI. Areas prone to wear, such as the keypad, have been improved by using a more robust material making the newVSI less susceptible to damage by the user.



Flexible cable

The flexible power cable exists horizontally from the base of the newVSI, allowing the cable to be neatly secured to the wheelchair.

High-definition LED display

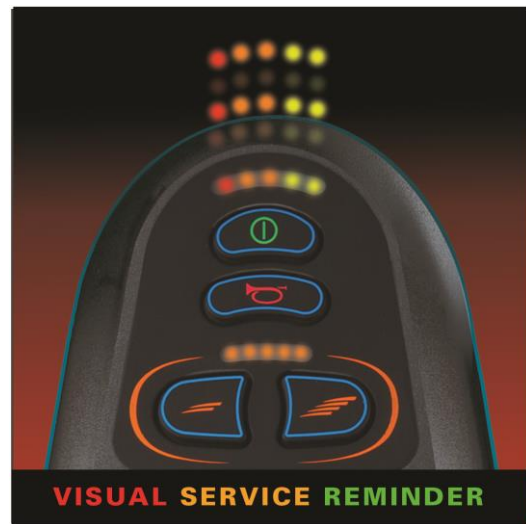
Advanced design techniques have been used to make the battery gauge and speed LEDs highly visible. These high visibility LEDs are particularly noticeable when driving outdoors.

PRODUCT CODES

newVSI Anderson	newVSI with Anderson connectors
newVSI Beau	newVSI with a Beau connector

Service reminder

The newVSI can be programmed to indicate to the user when a service call is required. A service reminder is indicated by flashing the battery gauge LEDs when the control system is turned on. The reminder is triggered by the actual amount of time the wheelchair has been driven. This enables customization of the service requirements to an individual wheelchair user. For example, if the wheelchair user is particularly active within a harsh "out-of-doors" environment, it may be appropriate to set a service reminder after a relatively short period of drive time, whereas if the wheelchair is only used indoors and is charged regularly the wheelchair may not need to be serviced as often.



newVSI Dimensions

