

NEW HORIZONS

VR2

LIGHTING CONTROL SYSTEM

- Full lighting with optional actuator control on the VR2 Joystick Module
- Complies with German StVZO regulations
- Modular system that is easy to upgrade
- No requirement to change the VR2 Power Module to upgrade the wheelchair to include lighting control
- No requirement to replace the existing VSI Lighting Module on current applications.
- The Lighting Module connects into the VR2 system via the Joystick Module
- Smart electronics eliminate the need for external fuses
- Extremely simple installation
- Push-fit connector system

The VR2 Lighting System consists of a Joystick Module, Power Module and a Lighting Module. This configuration offers a cost effective, elegant solution to control lights, turn indicators and hazard lamps. The system provides constant brightness lamp control and turn indicator fault detection in compliance with the German StVZO standard, which is mandatory for all outdoor powerchairs in that marketplace.

The user is given both audible and visual feedback for any successful button actuation, and visual feedback for any fault condition, which may arise such as a failed turn indicator. The buttons have been carefully positioned so that the turn indicators can be operated when driving, while familiar automotive standard icons give a clear indication of each button's function.

Existing lighting applications can be upgraded to the VR2 Lighting System without replacing the existing VSI Lighting Module. This offers the advantage of a remote system, without having to remove the existing Lighting Module and associated wiring.

Existing VR2 applications can be upgraded to provide lighting control by simply changing the Joystick Module and adding a Lighting Module. There is no need to change the Power Module, meaning more efficient inventory and spare part management.

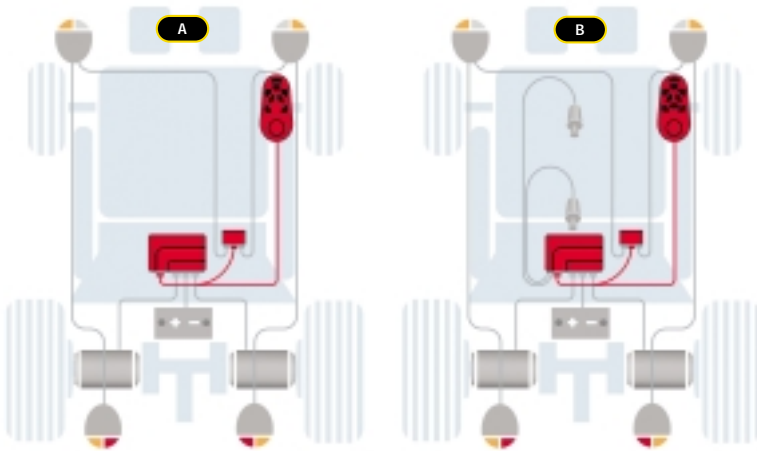


PG DRIVES TECHNOLOGY

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The small size and light weight of the Lighting Module allows for unobtrusive installation anywhere on the powerchair, and the simple numbered push-fit connector system makes wiring extremely quick and easy. With self-protecting outputs, there is no need to fit external fuses or breakers so wiring harnesses are kept simple.



PRODUCT CODES

Configuration **A** VR2 JSM-L, VR2 PMxx and LM
Configuration **B** VR2 JSM-A-L, VR2 PMxx-Ay and LM
xx = power rating - 60A or 70A
y = number of actuators - 1 or 2

LM VR2 Lighting Module
Lighting Module extension cable available for bulkhead mounting

SPECIFICATIONS

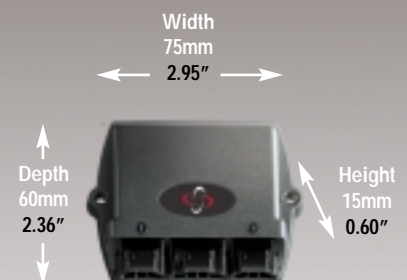
Supply Voltage	24Vdc
Operating Voltage	16Vdc to 28Vdc
Peak Voltage	38Vdc
Reverse Battery Voltage	40Vdc
Moisture Resistance	IPX4
Operating Temperature	-25°C to +50°C
Storage Temperature	-40°C to +65°C
Safety	Multiple hardware & software strategy Designed to ISO7176/14

EMC on sample powerchair

Susceptibility:	Tested at 30V/m to EN12184 and ANSI/RESNA requirements
Emissions:	To EN55022 Class B
ESD:	IEC801 part 2

For further details refer to VR2 Technical Manual SK77898

DIMENSIONS



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SK78064