

# Es-key SPS Control System

SMALL 8-WAY WEATHERPROOF VEHICLE SYSTEM



Automotive applications

The Es-key SPS control system is designed to provide a simple, easy to fit, keypad control system operating up to eight circuits.

Packed with innovative features the system uses the very latest solid state switching with no moving parts, replacing traditional time-consuming methods of wiring switches, adding fuses and relays—saving both time and money, and increasing reliability.

It is completely weatherproof - even the switches - allowing them to be used to control equipment whilst being externally mounted on the vehicle.

Minimal intrusion and simple wiring make it particularly suitable for short term leased fleets (which require re-installation of electrical parts) as well as with high volume specialist vehicle builders.

The SPS Control system is part of the Es-key range, which offers a solution to any vehicle control system.

## KEY FEATURES

- Control of eight 7.5A circuits
- 12V or 24V vehicles
- IP65 components
- Waterproof switches
- Switch indication
- Load management
- Handbrake interlock
- Panel dimming
- Programmable switches
- Insertable legends
- Pre-wired looms

## SPS Smart Switches

A range of IP65 rated ruggedised switches for exterior use are paired up with an eight way power module. These clever switch panels hold the intelligence for the system.

The switches can be individually configured to operate in a variety of ways such as “rocker”, “momentary action”, “dimming” and “master”.

Each switch panel has a dimmable backlight and interchangeable legends.

## Power Modules

The power modules provide solid-state switching control with in-built circuit protection, removing the requirement for separate fuses. They can be mounted close to the connected loads anywhere on the vehicle. Any or all of the outputs can be “on” (steady state), “flashing” or “dimmed” (reduced power).



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ISO 9001:2008

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# Es-key SPS Control System

## SMALL 8-WAY WATERPROOF VEHICLE SYSTEM

### Looms

A full range of pre-built looms are available, which only require connection to the loads and inputs. This saves time and money for the installer and increases reliability for the vehicle owner.

### Programming

The switches can be programmed and the power outputs assigned using the Es-key Pro software program and up-loaded via a computer interface or Antares can ship it to you pre-programmed to your requirements. (There will be a charge for this).

Each switch button and associated lamp can be programmed to operate as shown in the table opposite.

### Special Inputs

#### Handbrake enable

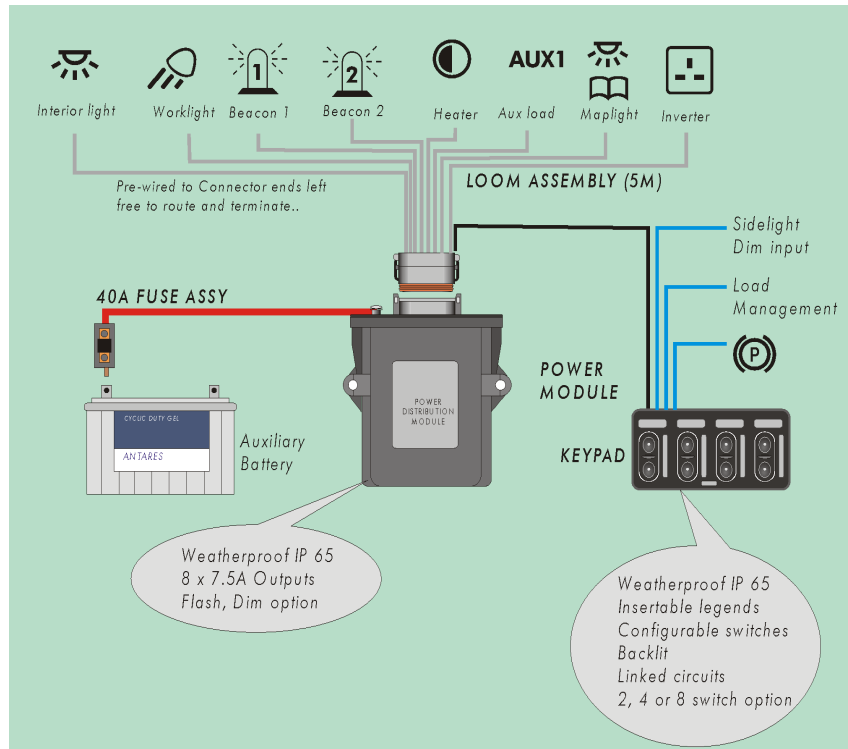
The system has an innovative feature that allows loads to be enabled only when there is an input from a handbrake. This makes it easy to ensure that loads which are not allowed to operate when the vehicle is in motion are automatically disabled (switched off.)

#### Load Management

The system will shed loads if the battery voltage gets too low. It can be triggered via an external connection or via a specially programmed switch. The loads specified are switched off in a sequence until the voltage has recovered.

#### Panel dimming

The panel illumination can be set to dim automatically for night time



operation taking an input from the vehicle side light circuit or can be activated by a programming one of the switches on the panel.

### Custom legends

The panels have blank ID positions for your choice of labels to be inserted. A standard sheet of labels is available with a range of the more common texts.

The labels are manufactured from "Autotex UV" material. These are inserted in the backlit panels and allow the text to illuminate.

Customised labels can be produced to allow any text, and with the background coloured to suit the application, making easy identification.

It is also possible to add company logos symbols.

SWITCH OPTIONS	
1	CLASSIC ROCKER SWITCH
2	PANEL DIMMER SWITCH
3	PANEL MASTER SWITCH
4	LOAD MANAGE SWITCH
5	ON/OFF- LOW MED HIGH PAIR
6	BI-STABLE TOGGLE SWITCH
7	MOMENTARY SWITCH
8	WIPER INTERMITTENT WASH
9	WIPER HI/LOW SWITCH

(Contact Antares for more details)

### Support

Our applications engineers will work with you to specify the system to meet the needs on your vehicle.