

# HP8440 Powerbox Power Distribution Module



**Brand:** HP Elektronik

**Product Code:** HP8440

**Availability:** 7 Days

**Weight:** 0.50kg

**Dimensions:** 20.00cm x 10.00cm x 8.00cm

**Price:** \$3,900.00

## Short Description

The original and still the best motorsport Power Distribution Module (PDM) on the market. Able to handle up to 200 amps continuously across 34 outputs (18 high power, 16 low power).

## Description



As used in  
championship winning cars

- Le Mans LMP1 and LMP2 prototypes
- ALMS winning Porsche RS Spyder
- FIA GT1 sportscars
- FIA GT3 Callaway Racing championship winning Corvette's
- FIA GT3 Reiter Lamborghini Gallardo LP560, LP600, FL2, RE-X
- British Touring Car Championship winning Vauxhall's
- Touring cars in other international championships
- Rally raid cars – for example Mitsubishi
- Rally cars – Toyota in the new Auris S20

The HP8440 Powerbox is a powerunit that makes fuses and relays unnecessary in your racecar.

The Powerbox replaces conventional fuses and relays, instead all power is controlled by this device.

Just type in the "fuse" size on each channel, link the input to an output function and you are ready to go.

The Box has a user friendly CAN interface, this makes it possible to link to other devices such as ECU, Switch Panel, Dash board, this feature makes the outputs to be operated automatically example - when you crank the engine the fuel pump starts, when engine is running the power steering starts automatically.

CAN Values and status of channels can also be sent out on the CAN system, this could be for logging purpose or for switching on LEDs on the switchpanel, sending messages to the Dash etc.

The Powerbox has also some flash functions, making external relays for indicators unnecessary.

We have more than 1000 units in racing cars worldwide, making life simpler for the electricians and mechanics, the many wins we have made with our clients tell its own story, also in case of accident the box proves its skills and minimize the risk of fire.

Who doesn't remember the Audi LMP1 Crash in Le Mans 2012 with McNish and the Ferrari 458, there was no fire, no smoke, all electric was shut down within

1/1000 of a second. Again our Powerbox made it safer for the driver, and minimiced the chance for fire. Audi, Ferrari, Porsche, Pagani and other manufacturers has chosen it - so its proven technology.

Please download the Product Datasheet, it explains a lot.

Also keep in mind - our software is free - download it, get our own configuration files and try to understand this fantastic unit. If you need help or have questions Please contact us.

Your success is our success.

Kind regards

Hans Hartmann Petersen

CEO - HP ELECTRONIK

"the man behind the Powerbox"

## **Main Features**

- Maximum 200 Ampere continuous.
- 34 individually programmable output channels.
- Operated by 11 conventional, 32 CAN channels and by 20 virtual channels, controlling each of the 34 output channels individually.
- Any combination of input and output channels can be selected.
- Easy creation of logic switching using virtual input channels.
- Dedicated diagnostics section.
- Automatic shut-down of selectable output channels at low battery voltage threshold.
- CAN switching can be controlled by membrane switch panels, the engine management system, data logger unit, etc.
- 5 programmable overriding flash functions.
- Programmable "Low Battery" power conservation setting.
- Engine Start strategy ensures maximum cranking speed.
- All inputs, outputs and functions can be named individually.
- Channel status, current draw and real time diagnostics exported via CAN.
- Channel setup by PC software and USB link.
- Diagnostic status displays open circuit, short circuit or overload.

# Downloads

## Technical Manual

2014 Ver4.0

## Pinout V0.5

Pin Configuration explaining the pinout of the box

## USB Pinout

Explains the USB connection to your laptop

## Product Gallery



