

# **PowerFLAG Shutdown adaptor User's Manual**

## Functional description

The PowerFLAG Shutdown adaptor connects to a IMV VICTRON UPS and to a computer via a serial RS232 port. The Shutdown adaptor supervises the alarm contacts provided by the UPS and converts the contact status into the PowerFLAG CP4 protocol.

The PowerFLAG Shutdown adaptor will communicate any change in an alarm status to the PowerFLAG program running on the connected computer. Since the PowerFLAG Shutdown adaptor is being powered directly from the computer's serial port, no external power-supply is needed.

## Suitable uninterruptible power supplies (UPS)

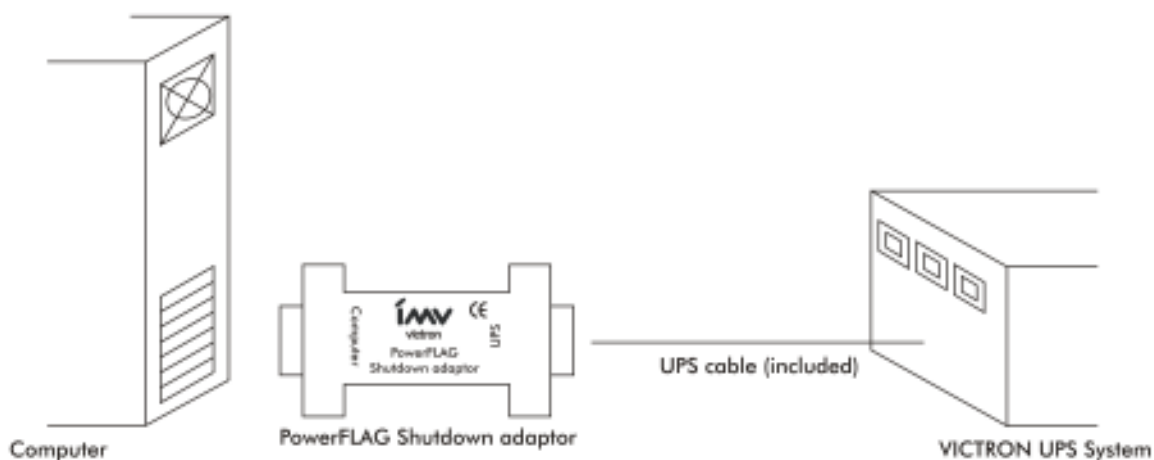
The PowerFLAG Shutdown adaptor is designed for use with all IMV VICTRON UPS with ComConnect interfaces.

## Contents of the PowerFLAG Shutdown adaptor kit

The PowerFLAG Shutdown adaptor kit includes the following:

- 1 PowerFLAG Shutdown adaptor
- 1 UPS connecting cable (DB9 male to DB9 female)
- his manual

## PowerFLAG Shutdown adaptor connection scheme



## Installation

- Switch off your computer and UPS.
- The PowerFLAG Shutdown adaptor is designed to be connected directly to your computer's serial port. Connect the connector labeled 'Computer' to your computer's serial port. Protect the connection by screwing together Shutdown adaptor and serial port. If your computer uses a connector other than DB9 male, consult your local computer representative to get the right cable / adaptor for your system.
- Please connect the PowerFLAG Shutdown adaptor and UPS using the shutdown adaptor cable. Connect the DB9 male connector to the connector labeled 'UPS' of the PowerFLAG Shutdown adaptor. Connect the DB9 female connector to the ComConnect interface connector on your IMV VICTRON UPS.
- Switch on UPS and computer.
- Install the PowerFLAG software.

**ATTENTION !: Do not interchange the connectors! This could cause severe damages to the PowerFLAG Shutdown adaptor which are not covered by the manufacturer's warranty.**

**ATTENTION ! : Use shielded cables only. Shield must be connected to your UPS' ground!**

<b>Specifications</b>	● Dimensions:	35 x 65 x 20 mm
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<b>Installation hints</b>	● Operating temp.:	0 .. 50 °C
	● Storage temp.	-10 .. 60 °C
	● Operating position:	any

## Service and maintenance

The PowerFLAG Shutdown adaptor requires no maintenance. Unauthorized opening of the device voids the warranty.

## Warranty

The manufacturer warrants the product for 12 months from date of purchase. This warranty extends to replacement of parts and labour. Further claims as a result of external influences (eg fire, flood etc) are excluded. Unauthorized opening of the device voids this warranty. Damages caused by incorrect connection of the device are not covered by this warranty.

## Support

First line support is done by your local Victron / IMV distributor, please contact them for any problems with installation or use.

Second line support is done by Victron / IMV Software Department to be reached by:

Telephone: +31 505977785

Fax: +31 505977795

## E-Mail support

You can send your support request by E-Mail to [connect@victron.nl](mailto:connect@victron.nl), if you are a compuserve user it is [internet:connect@victron.nl](mailto:internet:connect@victron.nl).

## Internet support

On-Line support is also possible on request if your computer has access to the Internet.

## BBS / WWW / FTP server support

We will publish updates and patches in different areas at our BBS / WWW / FTP server. You can access the needed area of our BBS by dialing +31 505977792 and entering your name and when it's the first time answering all the questions. From the menu choose <F>iles, <A>rea and then the needed product. We have the FTP server running at ftp.victron.nl, if you have access to the Internet it's the fastest and cheapest way to get your files. We have the WWW server running at www.victron.nl, with your favourite WEB browser you can access the latest files but also all the information pages from Victron / IMV.

## Inquiries and suggestions

For any inquiries about the product or suggested improvements you may also use the above addresses.

## Pin Assignment

### 1. UPS Connector

Pin	Name	Description	Direction
1	SD	UPS Shutdown (active +5V)	PowerFLAG Shutdown adaptor ----> UPS
2	-	not connected	
3	GA	General Alarm	PowerFLAG Shutdown adaptor <---- UPS
4	-	not connected	
5	GND	Signal Ground	PowerFLAG Shutdown adaptor <----> UPS
6	BA	Bypass Active	PowerFLAG Shutdown adaptor <---- UPS
7	LB	Low Battery	PowerFLAG Shutdown adaptor <---- UPS
8	CON	UPS connected	PowerFLAG Shutdown adaptor <---- UPS
9	PF	Power Failure	PowerFLAG Shutdown adaptor <---- UPS

Signals on pin 3, 6, 7, 8, 9 are pulled to Ground (Pin 5) by the UPS when active.

### 2. Computer Connector

Pin	Name	Description	Direction
1	DCD	Data Carrier Detect	PowerFLAG Shutdown adaptor ----> Computer
2	TX	Transmit Data	PowerFLAG Shutdown adaptor ----> Computer
3	RX	Receive Data	PowerFLAG Shutdown adaptor <---- Computer
4	DTR	Data Terminal Ready	PowerFLAG Shutdown adaptor <---- Computer
5	GND	Signal Ground	PowerFLAG Shutdown adaptor <----> UPS
6	DSR	Data Set Ready	PowerFLAG Shutdown adaptor ----> Computer
7	RTS	Ready To Send	PowerFLAG Shutdown adaptor <---- Computer
8	CTS	Clear to Send	PowerFLAG Shutdown adaptor ----> Computer
9	-	not connected	

Signals on pin 1, 4, 6 and 7, 8 are connected internally.

## **DECLARATION OF CONFORMITY**

Schläfer & Hellmich GmbH  
Koellestrasse 30b  
D-76189 Karlsruhe,

herewith declares that the product  
PowerFLAG Shutdown adaptor,

to which this declaration relates, is in conformity with the following standards.

EN55022 : 1994 (05/95)

EN50082 : 1995 (02/96)

under consideration of the EMV-guideline 89 / 336 / EWG  
EN60950

Karlsruhe, 14.08.2000

Specifications and design may be subject to change without notice.

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## Support request form

Support requested by:

Company name:

Department:

Name:

Tel:

Fax:

E-Mail:

Support needed for:

Company name:

Department:

Name:

Tel:

Fax:

E-Mail:

Victron / IMV Software

Product name (Wiz-Kit / PowerFLAG / ...) :

Version number (4.05 / 4.01 / ...) :

Serial number (none / 50000023 / ...) :

Date of purchase / delivery (1-may-95 / ...):

Bought from (...) :

Computer where the software is running on

Brand (HP / IBM / ...) :

Type (U6000-5500 / ...) :

Processor (Intel / Sparc / ...) :

Operating system (HP-UX / AIX / SCO / ...) :

Version number of operating system (8.0 / 3.2 / ...) :

Release number of operating system (V4.1 / .2.3 / ...):

Problem description: