

## FAAST™ Fire Alarm Aspiration Sensing Technology Power supply Module: Model F-PSU-2405

### Overview

The FAAST Power Supply provides a flexible way to supply energy to one or more FAAST ASD devices with maximum of 2 x 38 Ah batteries in an external housing.

#### Features

- 27.6 V DC output
- Cost-effective switch mode technology
- Energy efficient
  - More efficient in operation
  - Reduces power costs
  - Longer life in the field
  - Less prone to failure
- Intelligent battery charging and monitoring
- Deep discharge protection
- Remote fault signalling
- Full rated current to load plus additional current for battery charging
- LED indication:
  - Mains status
  - Output fault
  - Battery fault
  - Charger fault



### Description

The FAAST switch mode power supply has been designed for use in commercial building fire systems. Available in a 5A version they are fully compliant with EN54-4:1997, A1:2003 and A2:2007.

The units include intelligent battery charging, mains and battery monitoring with independent volt-free outputs. They also feature deep discharge protection for the batteries in the event of a prolonged mains failure. The inclusion of LED status indicators provides quick diagnostics to the user and/or engineer.

The standard unit will fit up to 2 x 12V 17Ah batteries. A separate battery box which is included in the package to house 2 x 12V 38Ah for when greater backup times are required.

### Advantages of Switch Mode Technology

The FAAST PSU uses switch mode technology, which is typically 80-87% efficient. This reduces your customers' energy costs and carbon footprint.

Switch mode technology also makes for more reliable products in the field as they are less likely to overheat and be susceptible to subsequent failure.

## Architect/Engineer Specifications

### PSU Unit (pictured top right)

Height	42 cm
Width	40 cm
Depth	8 cm
Case Material	1.2mm steel, black powder coated with the FAAST brand name on it
Weight	6.2 kg (excluding batteries)

### Battery Box (pictured bottom right)

Height	42 cm
Width	42 cm
Depth	18 cm
Weight	35.2 kg (including 2 x 38 Ah batteries)

### Environment

Operating Temperature	-10°C to +40°C
Storage Temperature	-20°C to +80°C
Humidity	95% (non-condensing)
IP Rating	IP30

### Electrical Specification

Output Voltage	27.6 VDC
Input Voltage	93 - 264 VAC
Output Current	Max. 5 A
Input Frequency	45 - 65 Hz
Battery Capacity	2 x 17Ah to 2 x 38Ah maximum (e.g. Yuasa NP17-12 or NP38-12), series connected
Relay Output	100mA @ 60VDC 2 Relay Outputs - PSU Fault and EPS Fault



### Ordering Information

F-PSU-2405 FAAST Power Supply Unit 2405

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Installation information: In order to ensure full functionality, refer to the installation instructions as supplied.

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