

ADP324-FR 24V DC Power Supply Unit



The Securefast ADP324-FR power supply unit is a 24V DC switched-mode 1A power supply specially designed to power magnetic fire alarm door retainers and general 24 Volt DC applications.

Supplied in a very compact, attractive, but tough, steel housing with an externally visible status LED. The 24V DC output is designed for the highly inductive loads that magnetic door retainers present, eliminating the need for additional control relays and reducing the chance of an 'electrical spike' causing problems, which is a frequent cause of personnel delays and expensive engineer call outs.

In addition, PSU has a normally closed (NC) volt-free, opto-relay output for remotely signaling its status and serviceability. This output can be used to indicate problems either locally or remotely to a Fire Alarm panel or to a suitable signaling device. The unit is protected by an intelligent electronic fuse technology with automatic reset to reduce system downtime and features a unique protective technology, includes intelligent and capacitive load switching, surge protection and snubbing.

The ADP324-FR can handle up to 8 double doors with 16 magnetic door retainers, based on 50 mA each.

Features & Benefits

- 24V DC 1A nominal output
- Attractive, tough steel housing
- Easily visible, green LED to indicate mains/operational status
- Tough, powder coated, 1.5 mm steel construction, painted white (RAL9003)
- CE marked
- Opto-Relay output for remote signaling of faults
- Anti-surge protection
- When used for powering for fire system magnetic door retainers each requiring 24V DC 50mA, a single D2401-AA can drive 16 units or 8 x double doors
- Ample provision for cabling
- Fitted with 12mm, 16mm & 20mm knockouts, plus a 25 x 12mm trunking knockout
- Hinged/pivoted lid, secured by a single screw for faster fitting and servicing
- Rounded corners to avoid dust traps and dirt build-ups
- Can be fitted horizontally or vertically

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Technical Information	
Power Supply Classification	Type A, Ungraded, Environmental Class 2
Voltage Input	195VAC - 265VAC@ 50-60Hz
AC Input Fuse	T3.15 Ampere non-replaceable
Output Voltage with AC Power	24VDC nominal;
Output Ripple	< 100mV peak-to-peak @full rated output
Max. Output Current at Full Load	1 Ampere
AC Fault Will Indicate	If the input voltage falls below 175VAC ± 25V
Visible Indication	1 x green LED visible from outside the box, power ok
Fault Opto-Relay Rating	60V @100mA, contact resistance of 16 ohms
Automatic Output reset time	10mS to 18s (depends on type and duration of fault)
Construction	1.5mm mild steel, tough, powder-coated, spray paint, heat-treated to provide a durable, wipe-clean surface.
Standard Paint Colour	White (RAL9003)
Operating temperature	-10°C to +50°C
Humidity	95% non-condensing
Size	H110 x W178 x 65mm

