

### ADP324-FR 24V DC Power Supply Unit



***The Securefast ADP324-FR power supply unit is a small case 24V DC switched-mode 500mA 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 4 double doors with 8 magnetic door retainers, based on 50 mA each. See chart on reverse for range of Hold Open Electro-magnetic door retainers

#### Features & Benefits

- 24V DC 500mA nominal output
- Attractive, tough steel housing
- Tough, powder coated, 1.5 mm steel construction, painted white (RAL9003) heat-treated to provide a durable, wipe-clean surface.
- 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 unit can drive 8 units on single doors or 4 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
- Size H110 x W178 x 68mm

### ADP324-FR 24V DC Power Supply Unit

Technical Information	
Power Supply EMC Classification	Compliance to EN55022, Class A
Voltage Input	90 - 264VAC
Output Voltage with AC Power	24V DC nominal;
Output Ripple	< 120mV peak-to-peak @full rated output
Max. Output Current at Full Load	500mA
Visible Indication	1 x green LED visible from outside the box, power ok
Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG:100 Mohms /500VDC
Over-load Protection	Rated power output 115% - 135% start overload protection
Over-voltage Protection	Protection type : hiccup mode, auto recovery when fault is cleared
Working Temperature Humidity	-10°C ~ +60°C, 20% ~ 90% RH
Storage Temperature Humidity	-20°C ~ +85°C, 10% ~ 95% non-condensing



Electro-magnetic Hold Open Door Retainers	AEM0351	AEM0362	AEM501F	AEM19001	AEM19002
Ampere	50mA	50mA	85mA	70mA	70mA
No of EM Retainers per PSU	8	8	5	7	7

For further information contact:

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