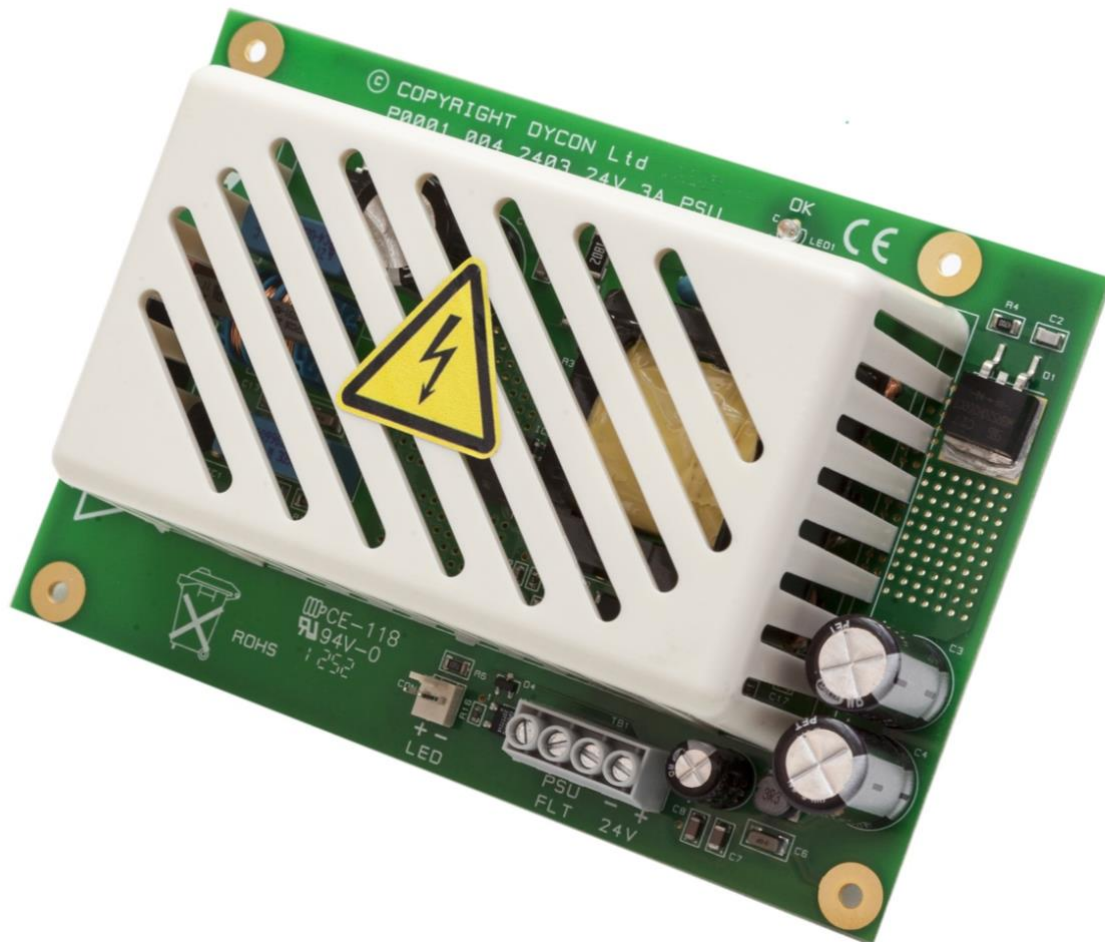


# Dycon 24VDC Range

## D2401, D2402, D2403



24VDC Switched-Mode Power Supplies Ideal for Powering Magnetic Fire Door Retainers, Door Releases or General 24VDC Applications



- 24VDC nominal output
- 1A, 2A and 3A versions
- AC status LED
- Opto-Relay output for fault remote signalling
- Anti-surge protection
- Electronic fuses

These Dycon power units are 24Vdc switched-mode 1-3A power supplies ideally suited for powering magnetic fire alarm door retainers, access control applications and general 24VDC power applications. The 24VDC output of all these units is designed for highly inductive loads such as magnetic door retainers and releases, 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. These units, additionally, have a normally closed (NC) volt-free opto-relay output for remotely signalling the status and serviceability of units. This output can be used to indicate problems either locally or remotely to a Fire Alarm panel or to a suitable signalling device. All units are protected by Dycon's intelligent electronic fuse technology with automatic reset to reduce system downtime. They all feature Dycon's unique protective technology, includes intelligent and capacitive load switching, surge protection and snubbing.



**DYCON**  
power solutions

# Dycon Power Solutions for Magnetic Fire Door Retainers, Door Releases & General Applications

## 24VDC Switched-Mode Power Solutions

### Specification

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
AC Fault Will indicate	If the input voltage falls below 175VAC $\pm$ 25V
Max. Output Current at Full Load	D2401 – 1 Ampere; D2402 – 2 Ampere; D2403 – 3 Ampere;
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)
Operating temperature	-10°C to +50°C
Humidity	95% non-condensing

Housing Type	1 Ampere version Part No.	2 Ampere version Part No.	3 Ampere version Part No.	Housing Size H x W X D mm	Housing Weight Kgs
A-box	D2401-A	D2402-A	D2403-A	235 x 170 x 85	1.10
B-box	D2401-B	D2402-B	D2403-B	260 x 320 x 90	1.90
XLB-box	D2401-XLB	D2402-XLB	D2403-XLB	295 x 415 x 90	2.20
C-box	D2401-C	D2403-C	D2403-C	345 x 430 x 90	3.30
E-box	D2401-E	D2402-E	D2403-E	405 x 500 x 90	5.80
W-box	D2401-W	D2402-W	D2403-W	245 x 195 x 90	1.45
PCB-only	D2401-P	D2402-P	D2403-P	D2401-P = 73 x 130 x 42 D2402/3-P = 140 x 94 x 42	D2401-P = 0.19kg D2402/3-P = 0.21kg

\* Larger size housings are available, for details see: <https://www.dyconpower.com/product/dycon-housings.php>

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#### For more information about the Dycon products:

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#### Or to discuss your specific needs:

+44 (0)1443 471 900



Dycon leads the security and associated power supply markets, with UK design and manufacture of advanced power products, engineered to provide high quality, cost-effective solutions to meet current regulations and the specific needs of system integrators and end-users.

D2401/2/3 data sheet 19052021V18