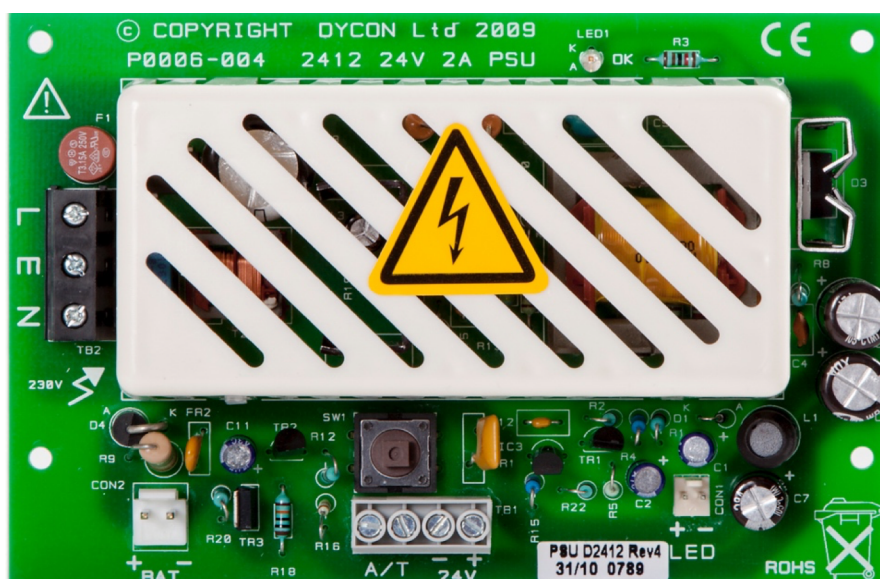


D240X-series

D241X-series



24Vdc Switched-Mode Power Supplies



Dycon D240X and D241X Series units are 24Vdc switched-mode 1-3A power supplies, ideally suited for use with fire alarm door retainers, access control applications and general power applications. The D240X units have a normally closed (NC) volt-free output for remotely signalling the status and serviceability of units. This output can be used to indicate problems either locally using or remotely via a suitable signalling device. The D241X versions do not have this output but do have full standby battery charging capability. The switched output of all these units is designed for highly inductive loads (magnetic door retainers and releases) eliminating the need for additional control relays and circuitry and eliminating the chance of an 'electrical spike' causing a door to remain closed or open, a frequent cause of personnel delays and expensive engineer call outs. Using Dycon's unique protective technology, the range features intelligent and capacitive load switching surge protection and snubbing. All units are protected by Dycon's unique intelligent electronic fuse technology with automatic reset to reduce system downtime



DYCON

power solutions

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24Vdc Power Solutions

24Vdc Switched-Mode Power Solutions, ideally suited to power magnetic door holders or door releases

Specification

Power Supply Classification	Type A, Ungraded, Environmental Class 2
Voltage Input	195Vac - 265Vac @ 50-60Hz
AC Input Fuse	D2401 - 2A; D2402/12 - 2A; D2403/13 - 3A;
Output Voltage with AC Power	Max. 28Vdc -D2401/2/3 - 24Vdc nominal; D2412/3 27.4Vdc nominal
Output Ripple	D2401/2/3/5/12/13 = < 100mV peak-to-peak @full rated output
AC Fault Will indicate	If voltage falls below 175Vac \pm 25V
Max. Output Current at Full Load	D2401 - 1A; D2402/12 -2A; D2403/13 - 3A; D2405 -5A
Battery Recharge Time	<72 hours
Battery Charging Current at Full Load (D2412/13 only)	300mA max @27.4Vdc float charge current
Minimum Standby Output Voltage	D2401/3/5 - 162Vdc
Fault Relay rating (D2401-5 only)	60V @100mA, contact resistance of 16 ohms
Low Battery Fault (D2412 and D2413 only)	<22Vdc and resets when the voltage reaches 23Vdc
Low-voltage Power Output Fault	<175Vac \pm 25V
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
PCB Size	D2401/2/12/13 -100 x 130 x 38; D2403 - 105 x 130 x 38
Weight- PCB only (kg)	0.19kg
Weight – A, B and C Housings (kg)	A = 2.0kg; B = 3.2kg; C = 4.5kg

Product Part Numbers	PCB only	A box (235 x 170 x 85mm)	B box (260 x 320 x 90mm)	C box (345 x 430 x 90mm)
1 Amp - 24Vdc	D2401-P	D2401-A	D2401-B	D2401-C
2 Amp - 24V dc	D2402-P	D2402-A	D2402-B	D2401-C
3 Amp - 24V dc	D2403-P	D2403-A	D2403-B	D2401-C
2 Amp – 27.6Vdc (with battery charging)	D2412-P	Not available	D2412-B	D2412-C
3 Amp – 27.6Vdc (with battery charging)	D2413-P	Not available	D2413-B	D2413-C

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For more information about the Dycon range of power products:

www.dyconpower.com

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.

Designed and manufactured in the UK