D1410/20-DR Series

High Power, 10A & 20A Switched-Mode Power Supplies

Rear View showing mains input socket, fuses and individual output status LEDs

Dycon D1410/20-DR Series units are 10 Amp and 20 Amp, 19" rack-mounted (optional desk-mount fittings are supplied), switched-mode power supplies offering high-energy efficiency and versatility making them ideal for use in CCTV and Building Management Systems. Dycon's advanced switched-mode technology features integral output duty cycle control which only draws power when the load requires it. It produces very little heat enabling the D14XX-DR units to be fitted into consoles, cupboards or small spaces where conventional fan-cooled power supplies would be too noisy. The separate outputs (10 in the D1410-DR and 20 in the D1420-DR) are rated at 1A enabling 20 x 1A devices to be run off a single power source, reducing cabling and the need to install several power supply units. Should more power be required at an output, one or more can be linked together into a single output provided an uprated fuse is substituted. Over-current and built-in fuse protection for each individual output and the main unit is provided. Each output has its own external LED indicating operational status, this turns red when that output's electronic fuse operates making fault finding quick and easy. Front mounted LEDs indicate which group of outputs the problem has occurred in.

DYCON
power solutions

www.dyconpower.com

High Power, Rack/Desk Mount 10A/20A Solutions

12Vdc 10A and 20A Switched-Mode Power Solutions

Specifications

Power Supply	Type A, Ungraded, Environmental Class 2
Voltage Input	230Vac +10% -15%; 50Hz ± 15%
AC Connection	IEC Socket to a 13A Fused Plug
Maximum Input Current	1.2A
Output Voltage	12Vdc Nominal
Output Ripple	< 500mV Peak-to-Peak at Full Rated Output
Output Current (Continuously-rated)	D1410-10A; D1420-20A; 1A From Fused Outputs
Output Duty Cycle Control	Only Draws Power When Required by the Load
Maximum Over-Voltage Cut-Out	14.4Vdc ±3%
Operating Temperature Range	-10˚C to +40˚C
LED Indicators (D1410-DR/ D1420-DR)	AC On (green); DC On (green); Fuse Fault O/P 1-10 (red); Fuse Fault O/P 11-20 (red); 10/20 Individual 'Output Not Functioning' LEDs (red)
Humidity	95% Non-Condensing
PCB Size (D1410-P/B/C) (h x w x d)	126 x 160 x 66mm
Rack Size (d x w x h)	2U 19" Rack (285 x 488 x 90mm)
Desk Mounted Size (d x w x h)	285 x 444 x 90mm
Weights	5.1kg (DR Rack-Mount Versions); 4.9kg (Desk-Mount Version)

Product Descriptions	PCB only	19" Rack-Mount 2U size
10 x 1 Amp -12Vdc rack-mount	Not available	D1410-DR
20 x 1 Amp -12Vdc rack-mount	Not available	D1420-DR

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