

# D1410-series

Designed and  
manufactured  
in the UK



High Power, 10A Switched-Mode Power Supplies Applications



Illustration shows a D1410-B with an optional D15X8 8-way output splitter and Fire Override Relay

Dycon D1410-Series units are 10 Amp switched-mode power supplies offering high-energy efficiency and versatility making them ideal for use in CCTV, Building Management Systems and a whole variety of other applications. 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 D1410-Series units to be fitted into consoles, cupboards or small spaces where conventional fan-cooled power supplies would be too noisy. The ten separate outputs are rated at 1A enabling 10 x 1A devices to be run off a single power source, reducing cabling and the need to install a number of power supply units. Should more power be required at an output, one or more can be linked together into a single output. Over-current and built-in electronic 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 is shorted or overloaded making fault finding quick and easy. In addition to the 10 x 1A outputs there is a selectable single 10A output which can be connected to a wide variety of devices via a D15X8 8-way or D15X4-BNC 4-way BNC splitter. The D1410-B/C units are supplied in conventional, wall-mounted steel housings and a PCB-only version is also available for fitting into other equipment.



**DYCON**  
power solutions

[www.dyconpower.com](http://www.dyconpower.com)

# High Power, Wall-Mounted 10A Solutions

## 12Vdc 10A Switched-Mode Power Solutions

### Specifications

Power Supply	Type A, Ungraded, Environmental Class 2
Voltage Input	230Vac +10% -15%; 50Hz ± 15%
AC Connection	PCB-mounted
Maximum Input Current	1.2A
Output Voltage	12Vdc Nominal
Output Ripple	< 500mV Peak-to-Peak at Full Rated Output
Output Current (Mode 1 Selectable)	Single, Un-fused 10A continuously rated
Output Current (Mode 2 Selectable)	10 x 1A Electronically Fused Outputs; These Outputs Can Be Connected Together To Satisfy Higher Current Requirements
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 on Front of Housing	AC On (green);
LED Indicators on PCB	10 x Individual Output Shorted or Overloaded (red)
Humidity	95% Non-Condensing
PCB Size (D1410-P) (h x w x d)	126 x 160 x 66mm
Wall Mount Housings (h x w x d)	B-Box – 260 x 320 x 90mm; 'C' Box – 345 x 430 x 90mm)
Weights (D1410-P/B/C Versions)	PCB-0.19kg; 'B' Box-3.2; 'C' Box-4.5kg

Product Descriptions	PCB only	'B' box (260 x 320 x 90mm)	'C' box (345 x 430 x 90mm)
10 x 1Amp - 12Vdc Wall-Mount Power Supply	D1410-P	D1410-B	D1410-C
8-way Output Splitter c/w 8 x Individually-Fused Outputs	D15X8		
4-way Output Splitter c/w 4 x BNC Loop-Through Connectors	D15X4-BNC		

#### Dycon Power Solutions Ltd

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**For more information about the Dycon range of power products:**

[www.dyconpower.com](http://www.dyconpower.com)

**Or to discuss your specific needs:**

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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.

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