# D1438-DR 2U



Intelligent, 12VDC 8 Amp Switched-Mode Power Supply with Space for 4 x Lenel™ or Mercury™ or Vanderbilt™ Door/System Controllers



The Dycon D1438-DR 2U PSU is a high end, fully-monitored, switched-mode power supply with processor controlled reset. The unit is suitable for use in a 19" computer rack and is supplied as standard with brackets and full-extension sliders. The 2U-size unit includes an integrated hinged tray providing space for third-party control units e.g. Lenel™ or Mercury™ or Vanderbilt™ system/door controllers.

The switched-mode PSU provides 2 x 4 monitored 12VDC outputs of 1 Ampere each - providing a total output total of 8 x 1 Ampere, which allows for start-up peaks of magnetic locks. Each output is electronically fused and controlled by a processor for automatic self-reset. Additionally, each bank of 4 outputs also have an electronic fuse for additional protection. The automatic self-reset prevents you having to manually replace fuses. Resets are performed per bank of 4. Two relay outputs are provided to allow central monitoring through the Lenel<sup>TM</sup>/Mercury<sup>TM</sup>/Vanderbilt<sup>TM</sup> system, one for reset in progress and one for permanent fault. Even though the heat from the switched-mode power modules is minimal, two integral cooling fans are also provided and aimed directly at the control modules this helps to ensure that they always function at optimum levels.



# 2U 19" Rack-Mount, 12V 8A Power Solution

Ideal for powering Lenel™ or Mercury™ or Vanderbilt™ access system/ door controllers

## **Features:**

- 2 x 12VDC 4 x 1A switched-mode Power supplies, 8 x 1A outputs in total
- 2 x relay outputs
- 2 x integral cooling fans directed towards the access modules
- External Ethernet RJ45 connector
- Space for 4 x Lenel™ or Mercury™ or Vanderbilt™ controllers
- Metal housing with Integral hinged tray
- Full extension, front disconnect sliders
- Anti-tamper switch on lid

## **Specifications:**

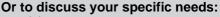
Ordering Part No.	D1438-DR 2U
Power Supply	Type A, Ungraded, Environmental Class 2
Voltage Input	230Vac +10% -15%; 50Hz ± 15%
Output Voltage with AC Power	12VDC ± 10%
Output Ripple	< 60mV peak-to-peak at full rated output
Maximum Output Current at Full Load	Each PSU module – 5 Amp
Minimum Standby Output Voltage	9.6Vdc
Maximum Over-Voltage Cut-Out	14.4VDC ±3%
Automatic Reset Time *	10ms to 18s
Operating Temperature Range	-10°C to +40°C
Humidity	95% non-condensing
Size (h x w x d)	Main Body - 440 x 82 x 405mm Front Plate - 482 x 88mm
Weight	9.5kg
Connector	IEC socket to a U-standard 13A fused plug* with a 2m lead.

#### **Dycon Power Solutions Ltd**

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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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