

D1545



General Purpose, Multi-indicator, Switched-Mode, 12VDC 5 Ampere Power Supply



The illustration shows a D1545-C fitted with an optional D15X4-BNC output splitter

- Multi-indicator power supply
- Range of enclosures
- Spring activated tamper on PCB
- Battery deep discharge cut off protection
- Battery backup/charging
- Optional 4 or 8 way fused splitter
- Also available as module-only

Dycon's D1545 unit is a 5Amp switched-mode power supply with three separate LED indicators that show the operational status of the unit. In addition to the full 5A output, it also provides an additional 300mA for battery charging. A green LED indicates that the Mains AC power is present, an orange LED lights when the unit is operating on standby battery power and a red LED lights if the electronic fuse has been tripped. This power supply is protected against electrical 'spikes' caused by the switching of highly inductive loads (door strikes and locks). They remove the chance of inductive kickback blowing a fuse and causing a door to remain closed or open, a frequent cause of personnel delays and expensive engineer call outs. It also features intelligent and capacitive load switching surge protection and snubbing. Optional output splitters enable a single power supply to drive a wide variety of different devices. These include 8-way splitters with individually-fused outputs, 4-way splitters with electronically-fused outputs or individually glass-fused outputs. Available is also a special unit that can power up to 4 cameras with loop-through connections for video signals, making it ideally suited for use in powering CCTV systems.

General Purpose 12VDC Power Solutions

D1545 12VDC 5A Multi-indicator, Switched-Mode Power Solution

Specifications

Power Supply	Type A, Ungraded, Environmental Class 2
Voltage Input	230VAC +10% -15%; 50Hz ± 15%
AC Input Current	600mA
AC Input Fuse	3A
Output Voltage with AC Power	Maximum 13.7VDC nominal
Output Ripple	< 100mV peak-to-peak at full rated output
Maximum Output Current @ Full Load	5A
Battery Charging Current and Voltage	300mA at 13.7VDC float charge voltage
Maximum Over-Voltage Cut-Out	14.4VDC ±3%
Low Battery Fault	11VDC ±3%
Low-Voltage Power Output Fault	12.3VDC ±3%
Battery Deep Discharge Voltage Limit	10VDC ±3%
Automatic Reset Time	10ms to 18s (Depending on type of duration of fault)
LED Indicators	GREEN - 230VAC is present ORANGE - Working on internal batteries as 230VAC is missing RED - No 12VDC output power, electronic output fuse tripped
Operating Temperature	-10°C to +40°C
Humidity	95% non-condensing

Part No.	Description	Suitable Batteries	Dimensions H x W x D (mm)	Weight including packaging	Units per outer carton
D1545-A	Steel, small-size A housing	1 x 7/8Ah	235 x 170 x 85	1.46kg	10
D1545-B	Steel, medium-size B housing	2 x 7/8Ah or 1 x 17Ah	260 x 320 x 90	2.3kg	10
D1545-LB	Steel, clam-shell lid, LB housing	2 x 7/8Ah or 2 x 17Ah	260 x 320 x 90	3.1kg	5
D1545-XLB	Steel, standard-size XLB housing	2 x 7/8Ah or 2 x 17Ah	295 x 425 x 90	3.25kg	5
D1545-XLBD	Steel, extra-deep XLBD housing	Up to 4 x 17Ah	295 x 490 x 165	5.2kg	5
D1545-C	Steel, large C-size housing	2 x 7/8Ah or 2 x 17Ah	345 x 430 x 90	3.4kg	5
D1545-E	Steel, extra-large E-size housing	2 x 7/8Ah or 2 x 17Ah	405 x 500 x 90	4.65kg	4
D1545-W	Plastic IP65, W-size housing	1 x 2.1Ah or 1 x 7/8Ah	245 x 195 x 90	1.45kg	10
D1545-P	PCB-only version	Depends on housing	140 x 94 x 47	.26kg	10

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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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