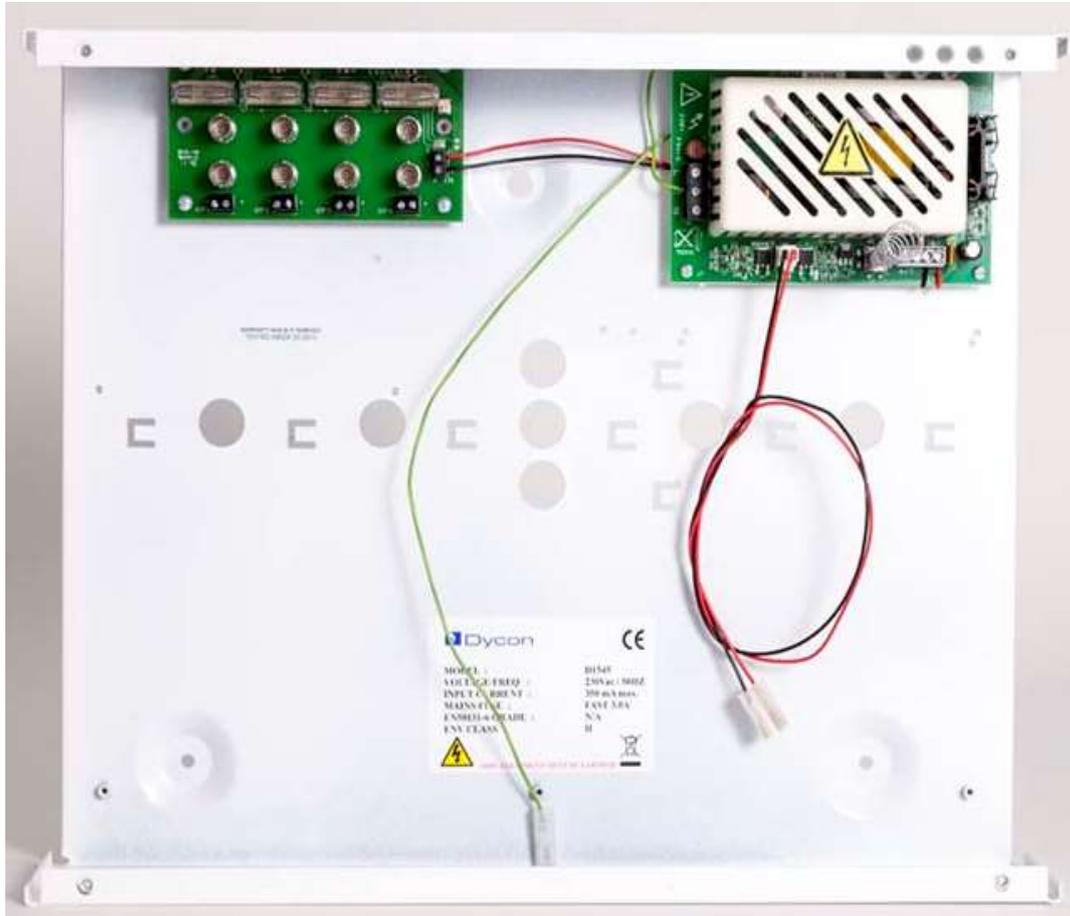




D154X Series

General Purpose, Multi-indicator, Switched-Mode, Power Supplies
13.8VDC 1A, 2A, 3A & 5 Ampere with battery charging



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
- Available as module only

Dycon's D154X Series units are available as 1, 2, 3 and 5 Amp switched-mode power supplies, with three separate LED indicators that show the operational status of the unit. 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. These power supplies are 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.

The range 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

12 VDC Multi-indicator, Switched-Mode Power Solutions

Specifications

Power Supply	Type A, Ungraded, Environmental Class 2
Voltage Input	230VAC +10% -15%; 50Hz ± 15%
AC Input Current	D1541-200mA; D1542-300mA; D1543-400mA; D1545-600mA
AC Input Fuse	D1541-1A; D1542-2A; D1543-2A; D1545-3A
Output Voltage with AC Power	Maximum 13.7VDC nominal
Output Ripple	< 100mV peak-to-peak at full rated output
Maximum Output Current @ Full Load	D1541-1A; D1542-2A; D1543-3A; D1545-5A
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)
Operating Temperature Range	-10°C to +40°C
Humidity	95% non-condensing

Part Number	Description	Size l x w x d	Weight
D1541/2/3-P	1A/2A/3A 12VDC PCB module only	130mm x 72mm x 42mm	0.19kg
D1541/2/3-A	1A/2A/3A 12VDC A Box	235mm x 170mm x 85mm	2.19kg
D1541/2/3-B	1A/2A/3A 12VDC B Box	260mm x 320mm x 90mm	3.39kg
D1541/2/3-C	1A/2A/3A 12VDC C Box	345mm x 430mm x 90mm	4.69kg
D1541/2/3-E	1A/2A/3A 12VDC E Box	500mm x 405mm x 90mm	5.39kg
D1541/2/3-G	1A/2A/3A 12VDC G Box	456mm x 687mm x 116mm	9.09kg
D1541/2/3-W	1A/2A/3A 12VDC in IP65 weatherproof housing	240mm x 190mm x 90mm	1.45kg
D1545-P	5A 12VDC PCB module only	140mm x 94mm x 47mm	0.24kg
D1545-A	5A 12VDC A Box	235mm x 170mm x 85mm	2.24kg
D1545-B	5A 12VDC B Box	260mm x 320mm x 90mm	3.44kg
D1545-C	5A 12VDC C Box	345mm x 430mm x 90mm	4.74kg
D1545-E	5A 12VDC E Box	500mm x 405mm x 90mm	5.44kg
D1545-G	5A 12VDC G Box	456mm x 687mm x 116mm	9.14kg
D1545-W	5A 12VDC in IP65 weatherproof housing	240mm x 190mm x 90mm	1.45kg

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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.

D154X Series data sheet 18062020 V12