

D155X series



Multi-Indicator, Switched-Mode, 1, 3 and 5Amp Power Supplies



Illustration shows a D1553-X8-CDIN 3A unit with an optional D15X8 splitter, a DIN-Rail and feather-trunking

Dycon D155X-Series units are switched-mode power supplies with normally closed (NC) volt-free outputs for remotely signalling the status and serviceability of units. These outputs can be used to indicate problems either locally or remotely via a suitable signalling device. Specially designed for access control applications using Dycon's unique protective technology, these units' feature a switchable ON/OFF output capable of switching highly inductive loads (door strikes and locks) and removing 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. This output is ideal for interfacing with fire alarm systems where a single command from a fire panel can release all the doors, equally, it can be used with timers to activate to turn on or off an access systems at predetermined times. The range also features intelligent and capacitive load switching surge protection and snubbing and all include a jumper for simple selection of inverted or normal power switching input operation. Optional D15X8 8-way splitters and D15X4-BNC, 4-way splitters with 4 BNC loop-through connectors, are also available. Connected to the power output, a D15X8 provides up to 8 individually-fused outputs and indicators, the D15X4-BNC can power up to 4 cameras with loop-through connections for signals, making it ideally suited for use in powering CCTV systems



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Access Control Power Solutions

12 Vdc Switched-Mode Power Solutions, Ideal for Access Control Systems

Specifications

Power Supply	Type A, Ungraded, Environmental Class 2
Voltage Input	195Vac -265Vac @ 50-60Hz
AC Input Current	D1551-200mA; D1553-400mA; D1555-600mA
AC Input Fuse	D1551-1A; D1553-2A; D1555-3A
Output Voltage with AC Power	Maximum 13.9Vdc, minimum 13.5Vdc
Output Ripple	< 0.25V peak-to-peak at full rated output
Maximum Output Current at Full Load	D1551-1A; D1553-3A; D1555-5A
Battery Charging Current and Voltage	300mA at 13.7Vdc float charge voltage
Minimum Standby Output Voltage	9.6Vdc
Maximum Power Input at Full Load	D1551-16W; D1553-47W; D1555-78W
Fault Relay Rating	60V @ 100mA, 14ohms closed
Efficiency	>85% @ 5A load
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 and duration of fault)
PCB Size (mm)	D1551- 130 x 92 x 38; D1553 - 134 x 92 x 38; D1555- 140 x 108 x 46
Operating Temperature Range	-10°C to +40°C
Humidity	95% non-condensing

Product Descriptions	PCB only	'A' box (235 x 170 x 85mm)	'B' box (260 x 320 x 90mm)	'C' box (345 x 430 x 90mm)
1 Amp -12Vdc (with battery charging)	D1551-P	D1551-A	D1551-B	D1551-C
3 Amp - 12Vdc (with battery charging)	D1553-P	D1553-A	D1553-B	D1553-C
5 Amp - 12Vdc (with battery charging)	D1555-P	D1555-A	D1555-B	D1555-C
8-channel splitter with 8 x individually-fused outputs	D15X8			
4-way output splitter with 4 x BNC loop-through connectors	D15X4-BNC			

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For more information about the Dycon range of power products:

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.

Designed and manufactured in the UK