

DR-75-24

General Purpose, Switched-Mode, DIN-rail Power Supply 24VDC



- Integral TS-35/7.5 / TS35/15 Din-rail mount
- High Energy efficiency
- 24VDC 3.2A output
- Adjustable DC Voltage ($\pm 10\%$)
- Lightweight unit
- LED Power indicator

Dycon's DR-75-24 DIN-rail power supply is a universal AC voltage input (110VAC to 230VAC), switched-mode power supply with a rated output voltage of 24VDC and current output of 3.2 Amperes. Typical efficiency is 81%, meaning it consumes far less electricity than conventional linear units. An integral potentiometer enables the DC output voltage to be adjusted $\pm 10\%$ where required. Designed to be installed on standard DIN-rail: TS-35/7.5 or TS35/15, this small volume, low-profile, lightweight, high-efficiency unit has built-in protection against short circuit, over-voltage and over-load and is cooled by free air convection, eliminating the need for expensive, additional cooling fans. An LED power indicator is also included for visual verification of the correct DC output operation.

General Purpose Switched-Mode Power Solutions

24VDC-3.2A DIN-rail Power Solution

Specifications

Model		DR-75-24
Output	DC voltage	24V
	Voltage tolerance	±1%
	Rated current	3.2A
	Current range	0~3.2A
	Rated power	76.8W
	Ripple & noise	150mvp-p
	DC voltage ADJ. range	±10%
Input	Voltage range	90~264VAC
	Frequency	47~63HZ
	AC current	1.6A/110VAC 0.96A/220VAC
	Efficiency	81%
	Inrush current	Cold start current 20A/110VAC 40A/220VAC
	Leakage current	< 1mA/240VAC
Protection	Over-load	Rated output power 110%~150% start overload protection Protection type: rated current limit, auto-recovery after fault condition is removed
	Over-voltage	27.8~31.6V protection type: cut off output, restart power after fault condition removed
Environment	Working temp, humidity	-10°C~+60°C, 20%~90%RH
	Storage temp, humidity	-20°C~+85°C, 10%~95%RH non-condensing
	Withstand vibration	10~500HZ, 2G10min/1cycle, period for 60 minutes, each axis
Safety	Withstand voltage	I/P-O/P: 1.5KVAC I/P-FG: 1.5KVAC O/P-FG:0.5KVAC
	Isolation resistance	I/P-O/P: I/P-FG, O/P-FG: 100M Ohms/500VDC
Standards	Safety standard	Compliance to UL1012
	EMC standard	Compliance to EN55022, CLASS A
Others	Dimensions	55.5*125.2*100mm(L*W*H)
	Weight/packing	0.6kg/20pcs/13kg
Note	1)All parameters NOT specifically mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2) Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair wire terminated with a 0.1uf & 47uf parallel capacitor. 3) Tolerance: includes line and load regulation.	

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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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