

240 Watt, DR Series, DIN Rail, (Single or 3 phase AC input)

ALL PSU LTD
Electronic Power Solutions

- Universal Input With PFC (DRP) or 3Ø AC Input (DRT)
- High Efficiency, High Reliability
- Wide Temperature Range
- Low Ripple/Noise
- Power On LED
- Short Circuit, Over Load, Over Voltage, Over temperature Protected
- Convection Cooled
- Full Approvals : UL/CUL/TUV/CE, Inc. UL508
- 3 Year Warranty
- Very Competitive Prices / From Stock



Specification (refers to single phase input version unless stated)

Input Voltage (DRP version).....	85~264 VAC, 47 to 63 Hz, (120~370 VDC)
or 3 Phase (DRT version).....	340~550 VAC, (480~780 VDC)
Power Factor.....	0.96 @ 230 VAC, 0.99 @ 115 VAC
Inrush Current.....	Cold start, 45 A (DRP), 50 A (DRT) @ 230 VAC
Output Voltage.....	See table below (plus adjustment range)
Over Load Protection.....	105~150% constant current limiting
Over Voltage Protection.....	30~36 V (24 V models), 54~60 V (DRP) 59~66 V (DRT) (48V models)
Set Up, Rise, Hold Up Time.....	800 ms,(1200ms DRT) 40 ms, 24 ms
Isolation Voltage.....	I/P-O/P: 3 kVAC, I/P-FG: 1.5 kVAC, 1 min
Operating Temperature.....	See derating curve
Overtemp. Protection.....	Output shuts down (auto-recovery when cooled)
Safety Standards.....	UL508, TUV EN60950-1, UL60950-1
EMC Standards.....	EN55011, EN55022 (CISPR22) Class B EN61000-3-2, 3, EN61000-4-2, 3, 4, 5, 6, 8, 11, ENV50204, EN55024, EN61000-6-2 (EN50082-2) Heavy Industrial Level Criteria A
Dimensions.....	125.5(H) x 125.5(W) x 100mm (Depth from rail)
MTBF.....	105.5 khrs (DRP-240), 114.6 khrs (DRT-240) (MIL-HDBK-217F) @ 25 °C
Weight.....	1.2 kg (DRP), 1.3 kg (DRT)

Single Phase Input Models

Model	Output	Range	Ripple/Noise	Efficiency
DRP-240-24	24.0 V / 10 A	24.0 V ~ 28.0 V	80 mV	84%
DRP-240-48	48.0 V / 5 A	48.0 V ~ 53.0 V	150 mV	85%

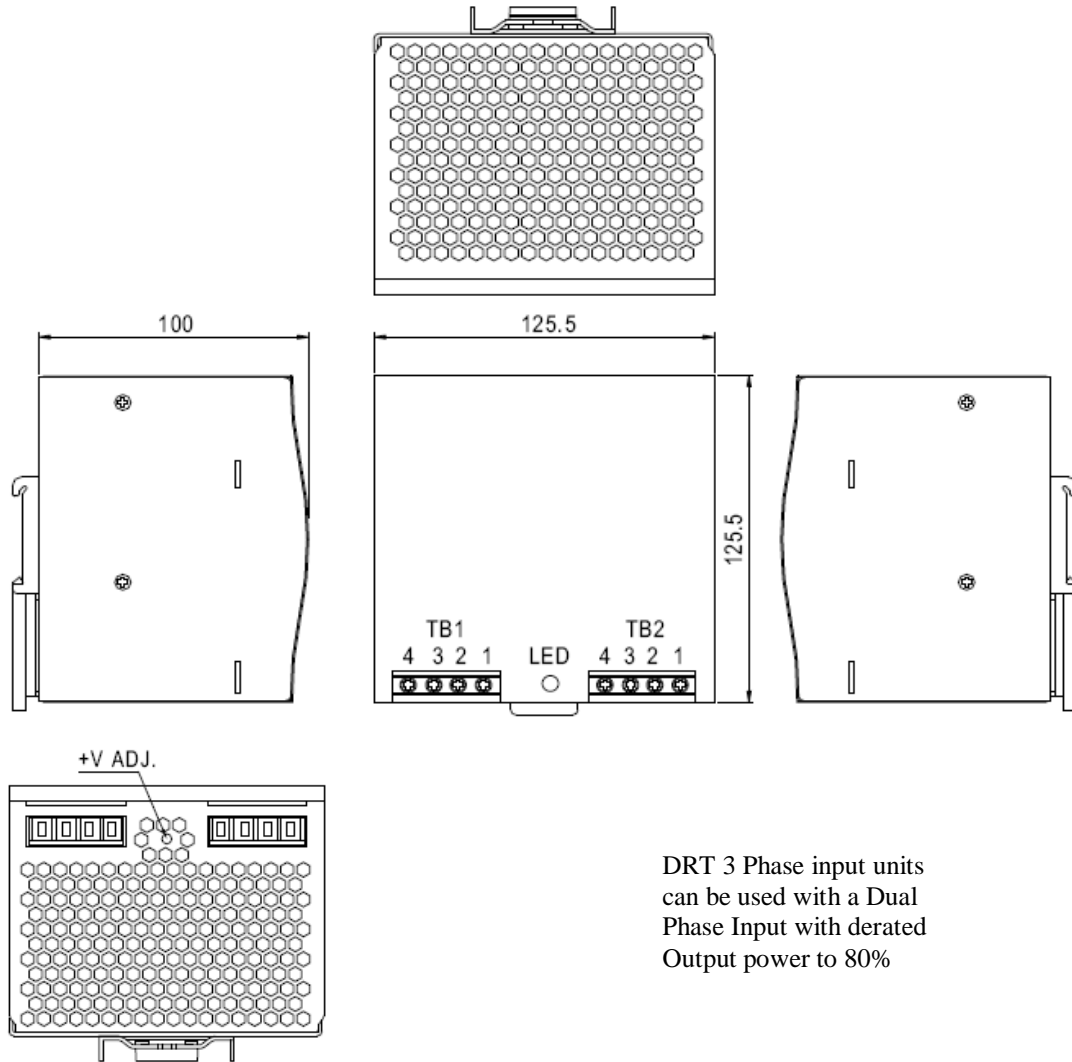
3 Phase Input Models (3 x Live, 1 x Earth connections)

Model	Output	Range	Ripple/Noise	Efficiency
DRT-240-24	24.0 V / 10 A	24.0 V ~ 28.0 V	80 mV	89%
DRT-240-48	48.0 V / 5 A	48.0 V ~ 55.0 V	80 mV	89%

For mechanical details and derating, see next page

ALL PSU Ltd, Unit D6 Laser Quay, Culpeper Close, Medway City Estate,
Rochester, Kent, ME2 4HU, Tel : 01634 725527, Fax : 01634 739111
Email: sales@allpsu.co.uk, Web: www.allpsu.co.uk

Mechanical Details

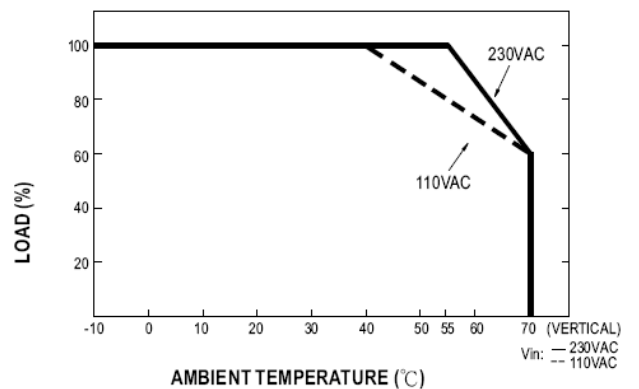


DRT 3 Phase input units can be used with a Dual Phase Input with derated Output power to 80%

Pinout

DRP-240		DRT-240	
Terminal (TB1)	Function	Terminal (TB1)	Function
1	GND	1	GND
2	AC Neutral	2	AC / L3
3	AC Live	3	AC / L2
		4	AC / L1
Terminal (TB2)	Function	Terminal (TB2)	Function
1	+V Out	1	+V Out
2	+V Out	2	+V Out
3	-V Out	3	-V Out
4	-V Out	4	-V Out

Temperature Derating DRP Series



DRT-240 can supply full power up To 60°C & 60% at 70°C

Specifications can change without notice. E&OE. ALL PSU Terms & Conditions apply.

**ALL PSU Ltd, Unit D6 Laser Quay, Culpeper Close, Medway City Estate,
Rochester, Kent, ME2 4HU, Tel : 01634 725527, Fax : 01634 739111
Email: sales@allpsu.co.uk, Web: www.allpsu.co.uk**