
RT Series AC and DC Power Supplies

Quality power conversion products

5, 12 or 24VDC Output

Choice of AC and DC Supply

CE marked and UL, CUL listed

Wide supply range

High reliability

Fully protected output

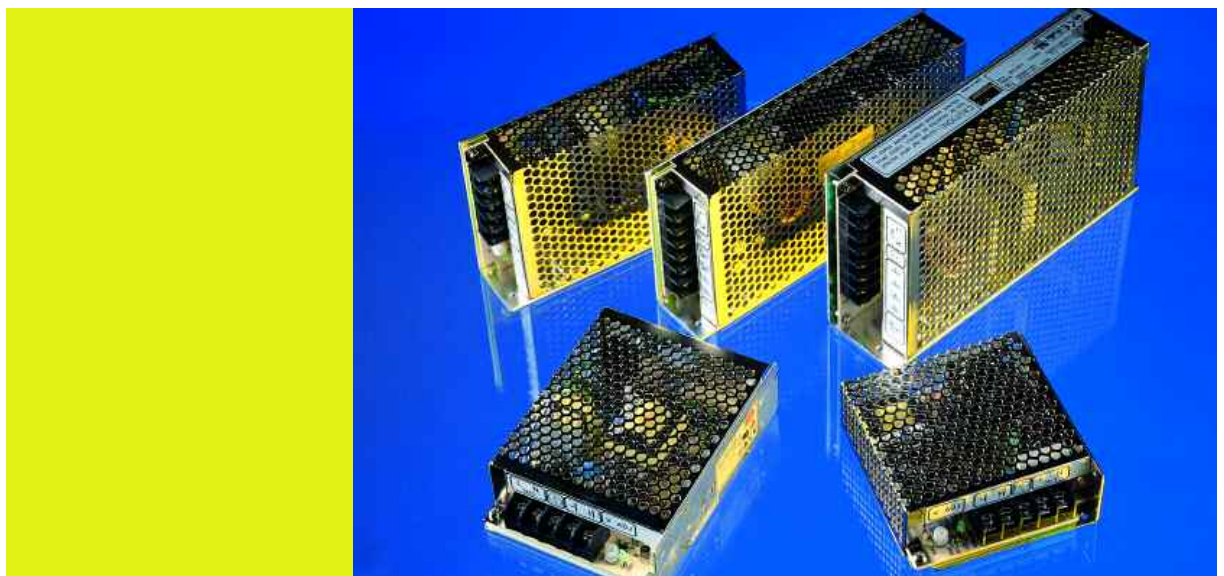
Mounting accessories

Designed to complement the RTK range of Alarm Annunciators and related instrumentation, the RT Series provides a range of cost effective supplies to convert from various AC or DC supply voltages to 5, 12 or 24VDC.

All units provide a fully regulated and stable output which is protected against over-voltage, over-current and short circuit.

CE marked and certified to UL and CUL standards gives you the confidence you need when installing these products as a critical element in the system.

Dual Redundant versions of these Power Supplies are also available for critical applications, see separate datasheet on RT-AD Range.



General Specification

Supply AC Versions

Universal 88-264VAC (120-370VDC).

Supply DC Versions

Nominal 24VDC (19-36VDC).

Nominal 48VDC (36-72VDC).

Nominal 110VDC (72-144VDC).

Outputs

From 25W to 500W for 5, 12 or 24VDC.

Adjustment

+/-10% from rated voltage via single turn potentiometer.

Over-voltage Protection

115-145% rated output voltage.

Overload Protection

105-150% shut off, AC recycle to restart short circuit and overload.

Typical Tolerance

± 1-2% depending on exact model.

Typical Efficiency

80-85%

Typical Ripple and Noise

150mV on 24VDC output supply.

Safety Standards

UL1012, UL60950-1, TUV EN60950-1.

EMC Standards

EN5022 class B, EN61000-2-2,3.

EN61000-4-2,3,-4,-5,6,8,11, ENV50204.

Environment

Operating temperature 0-60°C.

Can operate at higher temperatures when suitably de-rated.

Connections

9.5mm Terminal Block.

Accessories

Mounting plates and DIN-rail mounting brackets and clips.

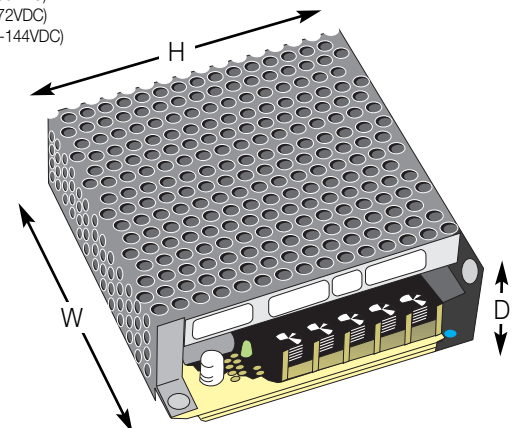
RT-A Range (AC Supply)

MODEL	WATTAGE	SUPPLY	OUTPUT	WEIGHT	DIMENSIONS (W x H x D)
RT-A-25-5	25W	88-264VAC	5VDC @ 5.0A	0.39	99 x 97 x 36mm
RT-A-25-12		(120-370VDC)	12 VDC @ 2.1A		
RT-A-25-24			24VDC @ 1.1A		
RT-A-40-5	40W	88-264VAC	5VDC @ 8.0A	0.44	129 x 98 x 38mm
RT-A-40-12		(120-370VDC)	12VDC @ 3.5A		
RT-A-40-24			24VDC @ 1.8A		
RT-A-60-5	60W	88-264VAC	5VDC @ 12.0A	0.51	159 x 97 x 38mm
RT-A-60-12		(120-370VDC)	12VDC @ 5.0A		
RT-A-60-24			24VDC @ 2.5A		
RT-A-100-5	100W	88-264VAC	5VDC @ 20.0A	0.65	199 x 98 x 38mm
RT-A-100-12		(120-370VDC)	12VDC @ 8.5A		
RT-A-100-24			24VDC @ 4.5A		
RT-A-150-5	150W	88-264VAC	5VDC @ 30.0A	0.8	199 x 110 x 50mm
RT-A-150-12		(120-370VDC)	12VDC @ 12.5A		
RT-A-150-24			24VDC @ 6.5A		
RT-A-320-5	320W	88-264VAC	5VDC @ 50.0A	1.18	215 x 115 x 50mm
RT-A-320-12		(124-370VDC)	12VDC @ 24.0A		
RT-A-320-24			24VDC @ 12.5A		
RT-A-500-12	500W	88-264VAC	12VDC @ 40.0A	1.9	170 x 120 x 93mm
RT-A-500-24		(124-370VDC)	24VDC @ 20.0A		

RT-D Range (DC Supply)

MODEL	WATTAGE	SUPPLY	OUTPUT	WEIGHT	DIMENSIONS (W x H x D)
RT-D-25*-5	25W	24, 48VDC	5VDC @ 5.0A	0.39	99 x 97 x 36mm
RT-D-25*-12		(see below)	12 VDC @ 2.1A		
RT-D-25*-24			24VDC @ 1.1A		
RT-D-50*-5	50W	24, 48VDC	5VDC @ 10.0A	0.51	159 x 97 x 38mm
RT-D-50*-12		(see below)	12VDC @ 4.2A		
RT-D-50*-24			24VDC @ 2.1A		
RT-D-100*-5	100W	24, 48, 110VDC	5VDC @ 20.0A	0.65	99 x 97 x 36mm
RT-D-100*-12		(see below)	12VDC @ 8.5A		
RT-D-100*-24			24VDC @ 4.5A		
RT-D-150*-12	150W	24, 48, 110VDC	12VDC @ 12.5A	0.8	199 x 110 x 50mm
RT-D-150*-24		(see below)	24VDC @ 6.3A		
RT-D-350*-12	350W	24, 48, 110VDC	12VDC @ 27.5A	1.1	215 x 115 x 50mm
RT-D-350*-24		(see below)	24VDC @ 14.6A		

Insert in place of *
 B for nominal 24VDC (19-36VDC)
 C for nominal 48VDC (36-72VDC)
 D for nominal 110VDC (72-144VDC)



Due to our policy of continuous product development, we reserve the right to amend specifications without notice.



RTK Instruments Limited
 St James Business Park,
 Knaresborough, North Yorkshire,
 England. HG5 8PJ

Telephone: +44 (0)1423 580500
 Facsimile: +44 (0)1423 580501
 Web: www.rtkinstruments.com
 Email: enquiry@rtkinstruments.com