

## RTK RT range

### MTL AC and DC power supplies

- 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



#### Quality power conversion products.

Designed to complement the RTK range of MTL alarm annunciators and related instrumentation, the RT range provides 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.

## TECHNICAL 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

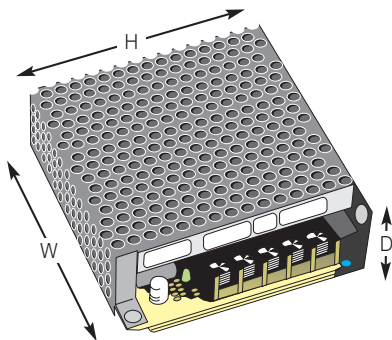
Operating temperature 0-60°C.  
Can operate at higher temperatures when suitably de-rated.

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

## RT-D RANGE (DC SUPPLY)

Model	Wattage	Supply	Output	Weight	Dimensions (W x H x D)
RTD-25*-5	25W	24, 48VDC (see below)	5VDC @ 5.0A	0.39	99 x 97 x 36mm
RTD-25*-12			12VDC @ 2.1A		
RTD-25*-24			24VDC @ 1.1A		
RTD-50*-5	50W	24, 48VDC (see below)	5VDC @ 10.0A	0.51	159 x 97 x 38mm
RTD-50*-12			12VDC @ 4.2A		
RTD-50*-24			24VDC @ 2.1A		
RTD-100*-5	100W	24, 48, 110VDC (see below)	5VDC @ 20.0A	0.65	99 x 97 x 36mm
RTD-100*-12			12VDC @ 8.5A		
RTD-100*-24			24VDC @ 4.5A		
RTD-150*-12	150W	24, 48, 110VDC (see below)	12VDC @ 12.5A	0.8	199 x 110 x 50mm
RTD-150*-24			24VDC @ 6.3A		
RTD-350*-12	350W	24, 48, 110VDC (see below)	12VDC @ 27.5A	1.1	215 x 115 x 50mm
RTD-350*-24			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)