

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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Visit our website - *Click HERE*

TRI-MAG, Inc.
® your POWER Specialists

1601 N. CLANCY CT. • VISALIA, CA 93291
(559) 651-2222 • FAX (559) 651-0188
http://www.tri-mag.com
sales@tri-mag.com

DESK TOP SERIES

10-70 Watts

UNIVERSAL INPUT



DESCRIPTION

DT Series is a 10, 20, 30, 50, 70 watt Desk-Top switching power supply. It comes with an IEC AC inlet to accommodate worldwide applications, These power supplies are perfect for low to medium power applications, such as Hard Disk Drives, Modems, Computers and other products that require an external power source.

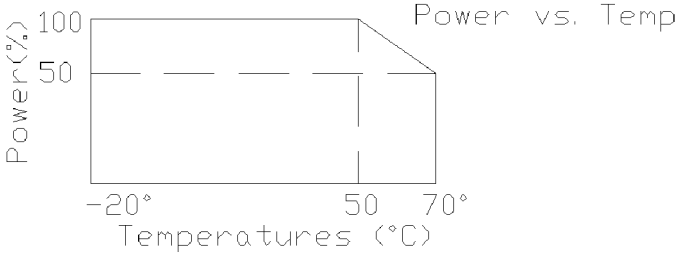
With TRI-MAG leadership in universal power supply technology, we have been able to incorporate our proven design into this space saving desk-top unit.

FEATURES

- *EMI FCC Class B*
- *No Minimum Load Required*
- *Single and Multiple Output*
- *Universal input 90VAC to 260VAC*

APPLICATIONS

- *Computer Peripherals*
- *Modems*
- *Hard Disk Drives*
- *Tape Drives*
- *Test Instrumentation Product*
- *Data Acquisition*



GENERAL SPECIFICATIONS

Line Voltage……... 90VAC to 260VAC
Input Frequency…….. 47Hz to 63Hz
Inrush Current (cold)…….…… Depend on model; 115VAC, 230VAC
Operating Temperature……..…….. 0 to 50ºC
Storage Temperature……..……-20ºC to 85ºC
Cooling…….. Free Air Convection
Efficiency…….…… 70% Typical
Holdup Time……...… 20ms at 115VAC
Overvoltage Type…….…… Crowbar
Overload Protection……...…….. Foldback Within 150% rated load

Safety:
Designed in full compliance with…….……... UL 1950
CSA 22.2 #234
VDE EN60950
EMI……..……. Meet FCC class B
VDE class B

MECHANICAL SPECIFICATIONS

All Dimension In Inches (mm)

Tolerance:
±.039” (1mm) except length of cable

Case Size:
DT 410 4.00” x 2.00” x 1.25” (101.6 x 50.8 x 31.8)
DT 420 5.90” x 2.95” x 1.69” (150 x 75 x 43)
DT 430 6.50” x 3.15” x 2.25” (165 x 80 x 57)
DT 450 6.50” x 3.15” x 2.25” (165 x 80 x 57)
DT 470 7.09” x 3.74” x 2.48” (180 x 95 x 63)

Connectors:
See Drawing

Length of cable:
5 ft.

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OUTPUT SPECIFICATIONS

Model	Watts	Voltage (Vdc)	Load (A)			Tolerance ±	Ripple & Noise	Regulation	
			Min.	Rate	Peak			Line	Load
DT410-4	10	+5V	0	2.0	4.0	1%	50 mV	1%	3%
DT410-5	10	+12V	0	1.0	1.8	1%	50 mV	1%	3%
DT410-6	10	+24V	0	0.5	0.9	1%	100 mV	1%	3%
DT410-17	10	+9V	0	1.5	1.8	1%	100 mV	1%	3%
DT410-14	10	+48V	0	0.25	0.25	1%	200 mV	1%	3%
DT420-1	20	+5V +12V -12V	0 0 0	1.0 1.0 0.3	2.0 2.0 0.5	1% 5% 8%	50 mV 100 mV 100 mV	1% 1% 1%	3% 5% 5%
DT420-2	20	+5V +12V	0 0	1.0 1.0	2.0 2.0	1% 5%	50 mV 100 mV	1% 1%	5% 5%
DT420-4	20	+5V	0	4.0	-	1%	50 mV	1%	5%
DT430-1	30	+5V +12V -12V	0 0	2.0 1.5 0.3	3.0 2.4 0.5	1% 5% 8%	50 mV 120 mV 120 mV	1% 1% 1%	3% 5% 5%
DT430-3	30	+18V	0	2.0	-	1%	100 mV	1%	3%
DT430-5	30	+12V	0	2.5	-	1%	100 mV	1%	3%
DT430-8	30	+15V	0	2.0	-	1%	100 mV	1%	3%
DT430-6	30	+24V	0	1.5	-	1%	100 mV	1%	3%
DT430-4	30	+5V	0	5.0	-	1%	50 mV	1%	3%
DT450-1	50	+5V +12V -12V	0 0 0	3.0 2.5 0.3	4.0 3.0 0.5	1% 5% 8%	50 mV 120 mV 120 mV	1% 5% 8%	5% 6% 5%
DT450-2	50	+5V +12V	0 0	3.5 2.5	4.0 3.0	1% 5%	50 mV 120 mV	1% 5%	5% 6%
DT450-3	50	+18V	0	3.0	3.0	1%	100 mV	1%	5%
DT450-4RS	50	+5V	0	8.0	8.0	1%	50 mV	1%	5%
DT450-5	50	+12V	0	4.2	4.2	1%	100 mV	1%	5%
DT450-6	50	+24V	0	2.3	2.3	1%	100 mV	1%	5%
DT450M-6	50	+24V	0	2.3	2.3	1%	100 mV	1%	5%
DT450-14	50	+48V	0	1.1	-	1%	250 mV	1%	5%
DT470-5	70	+12V	0	6.0	-	1%	100 mV	1%	5%
DT470-8	70	+15V	0	5.0	-	1%	100 mV	1%	5%
DT470-3	70	+18V	0	4.0	-	1%	100 mV	1%	5%
DT470-6	70	+24V	0	3.2	-	1%	150 mV	1%	5%
DT470-14	70	+48V	0	1.5	-	1%	200 mV	1%	5%

Note: Contact factory for Safety Agency Approved status.

*RS–Remote Sense
*M–Medical Application

1. Each output can provide up to peak load temporarily. Continuous staying in more than rated load is not allowed.
2. At factory, in 60% rated load condition, each output is checked to be within voltage accuracy.
3. Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
4. Load regulation is defined by changing ±40% of measured ouput load from 60% rated load.
5. The ripple and noise is measured by using 15MHz bandwidth limited oscilloscope and terminated each output with a 0.47 μF capacitor at rated lead and nominal line.
6. Hold up time is measured from the end of the last charging pulse to the time which the main output drops down to 95% output voltage at rated load and nomial line.
7. Efficiency is measured at rated load.

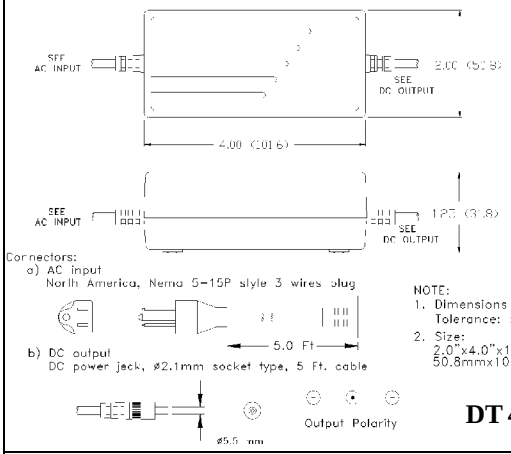
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DESK TOP SERIES

CONTINUED

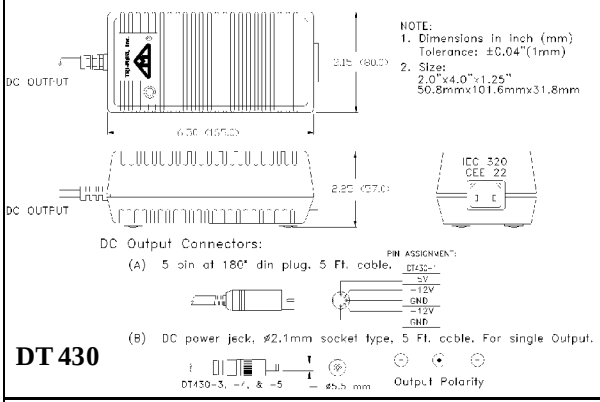
MECHANICAL SPECIFICATIONS
All specifications subject to change without notice.



NOTE:
1. Dimensions in inch (mm)
Tolerance: ±0.04"(1mm)
2. Size:
2.0"x4.0"x1.25"
50.8mmx101.6mmx31.8mm

DT 410

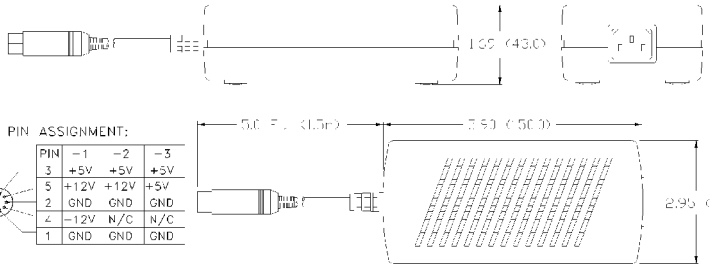
MECHANICAL SPECIFICATIONS
All specifications subject to change without notice.



NOTE:
1. Dimensions in inch (mm)
Tolerance: ±0.04"(1mm)
2. Size:
2.0"x4.0"x1.25"
50.8mmx101.6mmx31.8mm

DT 430

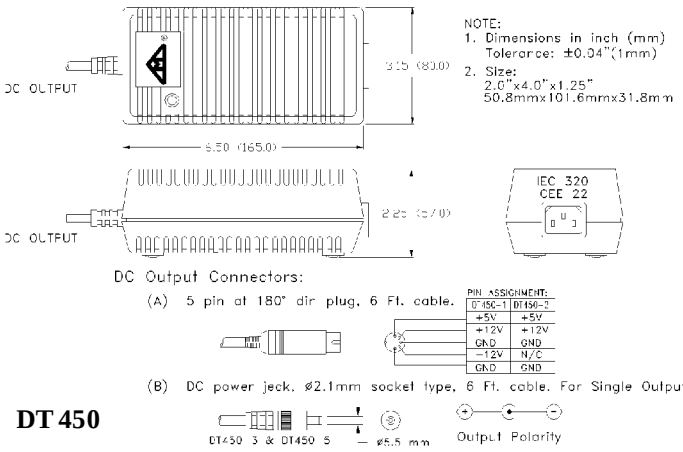
MECHANICAL SPECIFICATIONS



NOTE:
1. Dimensions shown in INCH (mm) as above.
Tolerance: .XX=±0.04"(1mm)
2. Size: 2.95" x 5.90" x 1.69", 75mm x 150mm x 43mm

DT 420

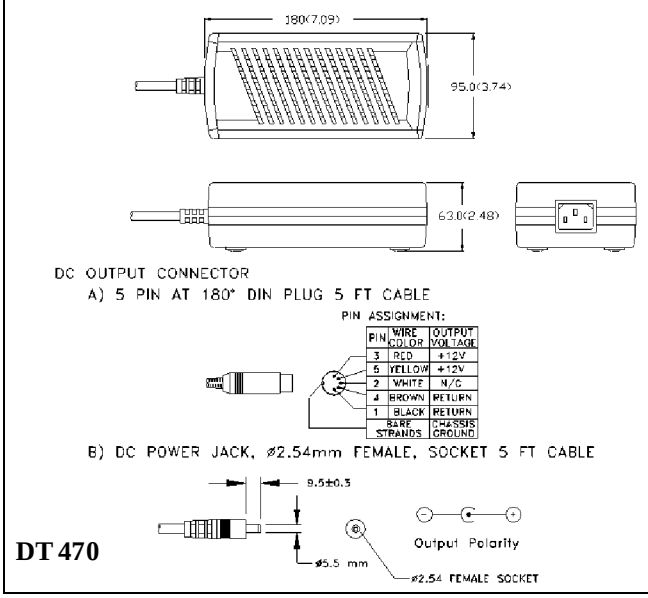
MECHANICAL SPECIFICATIONS
All specifications subject to change without notice.



NOTE:
1. Dimensions in inch (mm)
Tolerance: ±0.04"(1mm)
2. Size:
2.0"x4.0"x1.25"
50.8mmx101.6mmx31.8mm

DT 450

MECHANICAL SPECIFICATIONS



DT 470

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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We're here to make your life easier. How can we help you today?

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