

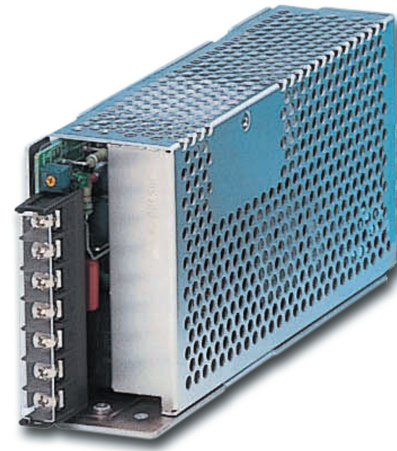
Triple Output Industrial Power Supplies

Features

- ◆ 5 Year Warranty
- ◆ Power factor Corrected
- ◆ Approved to VDE0160 Machinery Directive
- ◆ Universal Input (85 - 265VAC)
- ◆ Level B EMI

Key Market Segments & Applications

- ◆ Factory Automation Process Control, NC-Machining, Automotive, Packaging Equipment, Materials Handling, Chemical Processing, Robots
- ◆ Test & Measurement Burn-in & Test, Automated Test, Instrumentation, Measurement, Detection



Not recommended for new designs - see CUT series

Specifications				
Model		JWT75		JWT100
Max Output Power	W	75		100
Efficiency (Typ)	%	72		
Input Voltage range	-	85 - 265VAC (47 - 63Hz) or 120 - 330VDC		
Input Current Typ	A	1.2 / 0.6		1.4 / 0.7
Inrush Current	A	14A at 100VAC, 28A at 200VAC input		
Power Factor	-	Meets EN61000-3-2		
Output Voltage Accuracy	-	V1 variable, V2 & V3 +/-5%		
Temperature Coefficient	-	V1 & V2 <0.02%/°C, V3 <0.03%/°C		
Overcurrent Protection	-	>105%		
Overvoltage Protection	V	Main output only: 5.7 - 7V		
Hold Up Time (Typ)	ms	20		
Leakage Current	-	0.75mA Max, 0.44mA typical at 230VAC		
Operating Temperature	-	-10°C to +65°C, derate linearly to 50% load from 50°C to 65°C -10°C to +50°C, derate linearly to 60% load from 40°C to 50°C with cover		
Storage Temperature	-	-30 to +85°C		
Humidity	-	30 - 90% RH (operating), 10 - 95% RH (non operating)		
Cooling	-	Convection		
Withstand Voltage	-	Input to Ground 2kVAC (20mA), Input to Output 3kVAC (20mA), Output to Ground 500VAC (100mA) for 1 min.		
Isolation Resistance	-	>100M at 25°C & 70%RH, Output to Ground 500VDC		
Vibration (non operating)	-	10 - 55Hz (1 minute sweep), 2G constant X, Y, Z 1 hour		
Shock	-	<20G		
Safety Agency Approvals	-	IEC/UL/CSA/EN62368-1, 60950-1, CE Mark		
Conducted & Radiated EMI	-	EN55011 / EN55022-B, FCC Class B, VCCI-B		
Recommended EMI Filter	-	RSEL-2002W		
Weight (Typ)	g	600		720
Size (WxHxD)	mm	42 x 92 x 188		48 x 92 x 203
Warranty	-	Five Years		

Model Selector

Model	Output	Voltage	Adjust. Range	Min Current (A)	Max Current (A)	Load Reg (mV)	Line Reg (mV)	Ripple Noise (mV)
JWT75-522/A	V1	+5V	5 - 5.25	0.8	8	40	20	120
	V2	+12V	-	0	4	100	48	150
	V3	-12V	-	0	0.5	150	48	150
JWT75-5FF/A	V1	+5V	5 - 5.25	0.8	8	40	20	120
	V2	+15V	-	0	3.2	120	60	150
	V3	-15V	-	0	0.5	150	60	150
JWT75-525/A	V1	+5V	5 - 5.25	0.8	8	40	20	120
	V2	+12V	-	0	4	100	48	150
	V3	-5V	-	0	0.5	100	20	150
JWT100-522/A	V1	+5V	5 - 5.25	1.3	13	40	20	120
	V2	+12V	-	0	5.5	100	48	150
	V3	-12V	-	0	1	150	48	150
JWT100-5FF/A	V1	+5V	5 - 5.25	1.3	13	40	20	120
	V2	+15V	-	0	4.5	120	60	150
	V3	-15V	-	0	1	150	60	150
JWT100-525/A	V1	+5V	5 - 5.25	1.3	13	40	20	120
	V2	+12V	-	0	5.5	100	48	150
	V3	-5V	-	0	1	100	20	150

JWT75 Outline Drawing

NOTES

A: MODEL NAME, OPTION, INPUT VOLTAGE RANGE, NOMINAL OUTPUT VOLTAGE, MAXIMUM OUTPUT CURRENT AND COUNTRY OF MANUFACTURE ARE SHOWN HERE IN ACCORDANCE WITH THE SPECIFICATIONS.

B: M4 EMBOSSED, TAPPED AND COUNTERSINK HOLES (4) FOR CUSTOMER CHASSIS MOUNTING. SCREWS MUST NOT PROTRUDE INTO POWER SUPPLY BY MORE THAN 6mm/m.

C: Ø4.5 HOLE FOR CUSTOMER CHASSIS MOUNTING. (USE M4 MOUNTING SCREW.)

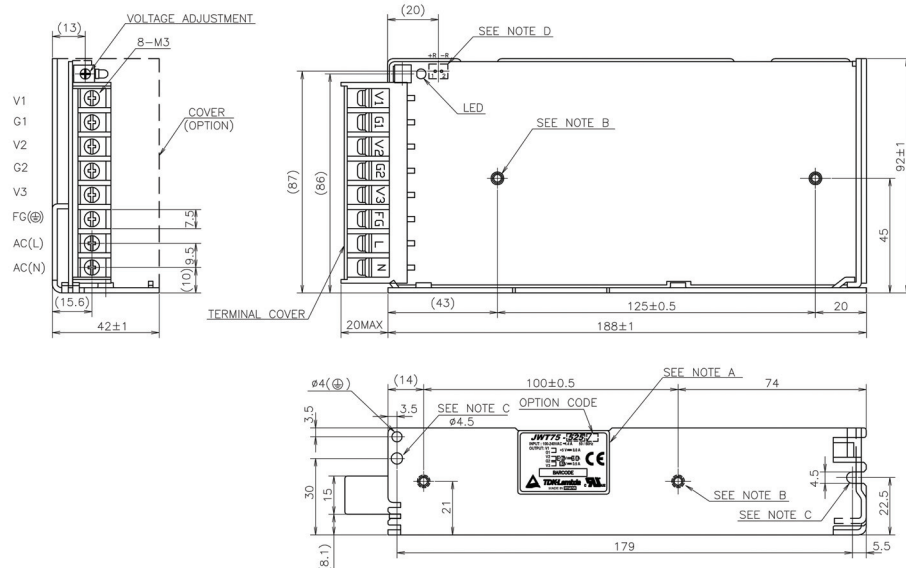
D: REMOTE ON/OFF CONTROL CONNECTOR --- OPTION B2B-XH-AM (JST)

ACCESSORIES

- * COVER FOR BARRIER STRIP TERMINAL
- * HOUSING: XHP-2 (JST), TERMINAL: BXH-001T-P0.6 (JST) OR SXH-001T-P0.6 (JST) --- OPTION
- * HAND CRIMPING TOOL : YC-110 (JST) OR YRS-110 (JST)

OPTIONAL MODELS

MODEL	COVER	REMOTE ON/OFF CONTROL
JWT75-*		
JWT75-*/A	○	
JWT75-*/B		○
JWT75-*/B2	○	○



Options

Suffix	Description
Blank	Screw terminals, no cover
/A	Screw terminals, cover (Standard US stock item)
/B*	Molex terminals, no cover
/C*	Molex terminals, cover
/R	Remote On / Off
* Obsolete effective May 1st, 2020	
Example	JWT75-525/RA

Dimensions Table

	Height (H)	Width (W)	Depth (D)
JWT75	1.65	3.62	7.40
JWT100	1.89	3.62	7.99

For additional information, please visit
<https://product.tdk.com/en/power/>



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