

Low Profile Triple Output

Features

- ◆ 26mm height
- ◆ Outputs 2 and 3 isolated from output 1
- ◆ Universal Input (85 - 265VAC)
- ◆ Low Profile
- ◆ Wattbox design on LWT



Key Market Segments & Applications



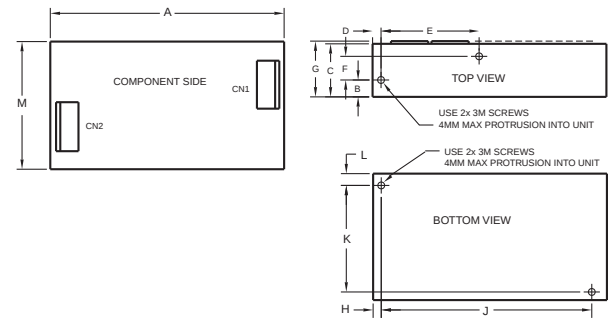
Specifications				
Model		LWT15H	LWT30H	LWT50H
Max Output Power (typ)	W	17	30	50
Efficiency (Typ)	%	72	73	72
AC Input Voltage range	-	85 - 265VAC (47 - 440Hz)		
DC Input Voltage range	-	110 - 350VDC	110 - 330VDC	
Input Current Typ (100/200VAC)	A	0.4/0.22	0.7/0.42	1.2/0.7
Inrush Current (110/200VAC)	A	14/28	16/32	16/32
Output 1 Voltage Adjustment	-	5V: 5 to 5.25V, 12V: 12 to 12.6V, 15V: 15V to 15.75V		
Output Voltage Accuracy	-	Output 2 & 3 $\pm 5\%$		
Temperature Coefficient	-	Output 1 < 1%, Output 2 or 3, <2% at 0 - 60°C		
Line Regulation	-	1%		
Load Regulation	-	2%		
Ripple & Noise	-	Output 1: 100mV, Outputs 2 & 3: 150mV		
Overcurrent Protection	-	>105%		
Overvoltage Protection	V	Main output only: 5.75 - 6.75V, manual reset		
Hold Up Time (Typ at 100VAC)	ms	20		
Series Operation	-	Possible		
Operating Temperature	-	LWT: 0°C to +60°C, derate as follows: 40°C: 100%, 50°C: 80%, 60°C: 60%		
Storage Temperature	°C	-30 to +85°C		
Operating Humidity	-	30 - 90% RH (Non condensing)		
Storage Humidity	-	10 - 95% RH (Non condensing)		
Cooling	-	Convection		
Withstand Voltage	-	Input to Gnd 2kVAC Input to Output 3kVAC (20mA)		
Isolation Resistance	-	>100M at 25°C & 70%RH, Output to Ground 500VDC		
Vibration (non operating)	-	10-55Hz(1 min) <19.6m/s ² (1 hr)		
Shock	-	196.1m/s ²		
Safety Agency Approvals	-	IEC/UL/CSA/EN62368-1, 60950-1, CE Mark		
Conducted EMI	-	VDE Class B, FCC Class B		
Weight (Typ)	g	220	300	400
Size (WxHxD)	mm	Please refer to outline drawings		
Warranty	-	One Year		

Note: See Installation Manual for full details, test methods of parameters and application notes

Options

Model	Output	Voltage	Min Current	Max Current
LWT15H-522	V1	5V	0.5	3.0
	V2	+12V	0.0	0.6
	V3	-12V	0.0	0.4
LWT15H-5FF	V1	5V	0.5	3.0
	V2	+15V	0.0	0.6
	V3	-15V	0.0	0.4
LWT15H-525	V1	5V	0.5	3.0
	V2	+12V	0.0	0.6
	V3	-5V	0.0	0.4
LWT30H-522	V1	5V	0.7	5.0
	V2	+12V	0.0	1.2
	V3	-12V	0.0	0.6
LWT30H-5FF	V1	5V	0.7	5.0
	V2	+15V	0.0	1.2
	V3	-15V	0.0	0.6
LWT30H-525	V1	5V	0.7	5.0
	V2	+12V	0.0	1.2
	V3	-5V	0.0	0.6
LWT50H-522	V1	5V	1.0	8.0
	V2	+12V	0.0	1.5
	V3	-12V	0.0	1.0
LWT50H-5FF	V1	5V	1.0	8.0
	V2	+15V	0.0	1.5
	V3	-15V	0.0	1.0
LWT50H-525	V1	5V	1.0	8.0
	V2	+12V	0.0	1.5
	V3	-5V	0.0	1.0

LW Outline Drawing



DIMENSIONS:

MODEL	A	B	C	D	E	F	G	H	J	K	L	M	MODEL	LBS
LWT-15	5.03 (128.0)	.31 (7.9)	.98 (25.0)	.15 (3.8)	1.811 (46.0)	.433 (11.0)	1.02 (26.0)	.15 (3.8)	3.897 (99.0)	1.988 (50.5)	.21 (5.3)	2.36 (59.9)	LWT-15	.50
LWT-30	6.29 (160.0)	.47 (12.0)	.98 (25.0)	1.77 (45.0)	3.937 (99.9)	.314 (8.0)	1.02 (26.0)	.66 (17.0)	5.433 (138.0)	.905 (23.0)	1.69 (43.0)	2.75 (70.0)	LWT-30	.70
LWT-50	6.29 (159.7)	.35 (8.8)	1.02 (26.0)	.39 (10.0)	4.625 (117.5)	.433 (11.0)	-	1.67 (42.4)	3.602 (91.5)	3.228 (82.0)	.31 (7.8)	3.82 (97.0)	LWT-50	1.00

1. DIMENSIONS ARE IN INCHES EXCEPT DIMENSIONS IN () ARE IN MM.
2. 4x M3 TAPPED HOLES FOR CUSTOMER MTG. SCREWS MUST NOT PROTRUDE INTO P.S. BY MORE THAN .15 (4) MAX.

Other Industrial Products

HWS	15W-1500W Single output
ZWQ	80W-170W Quad output
ZP	20W-60W Single, dual & triple output
LS	25W-150W Single output, low cost
MTW	15W-60W Triple output

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

