SL POWER
COMMERCIAL / MEDICAL
LINEARS

Conversion Sheet (A+ & M-Series)

Commerial   Medical

The modifications to standard models as defined in this document are identified by replacing the"-A" or "-A+" part of the model number by the appropriate dash number.

Example: HB5-3/OVP-A+ becomes HB5-3/OVP-001; MC12-3.4-A becomes MC12-3.4-502. The marking on the chassis silkscreen is not changed. A label with the appropriate dash numbers is added in the location described below.

Commerical/Medical Linears

MODIFICATION SPECIFICATIONS

Models with -0XX Suffix = No Input Jumpers on Transformer	
Dash No.	**Description**
-001	0.375" terminal block output connector. See model specific BOM for number of terminals.
-002	OVP12 or OVP24 set as listed below (single output models only) 12 V: 13.8 ± 0.8 V 15 V: 17.0 ± 1.0 V 24 V: 27.0 ± 1.0 V 28 V: 31.0 ± 1.0 V
-003	Adjustable 9 to 15 V or 12 to 15 V output set to 12 V. Use appropriate ATE program.
-004	Split type lockwashers installed on TO-3 transistors.
-005	Combination of -001 and -003. Use instructions for -001 and -003 above. Install sense jumpers for 5 V output.
-006	Seal all voltage and current adjust pots.

Models with -50X Suffix = Input Jumpers Set for 120 V Operation	
Dash No.	**Description**
-500	Jumper pins 1 to 3 and 2 to 4 on transformer using 20GA buss wire. Apply AC input to terminals 1 and 4.
All modifications listed below must include the jumpers for -500 above.	
-501	0.375" terminal block output connector. See model specific BOM for number of terminals.
-502	OVP12 or OVP24 set as listed below (single output models only) 12 V: 13.8 ± 0.8 V 15 V: 17.0 ± 1.0 V 24 V: 27.0 ± 1.0 V 28 V: 31.0 ± 1.0 V
-503	Adjustable 9 to 15 V or 12 to 15 V output set to 12 V. Use appropriate ATE program.
-504	Split type lockwashers installed on TO-3 transistors.
-505	Combination of -501 and -503. Use instructions for -501 and -503 above. Install sense jumpers for 5 V output.
-506	Seal all voltage and current adjust pots.

Models with -60X Suffix = Input Jumpers Set for 100 V Operation	
Dash No.	**Description**
-600	Jumper pins 1 to 3 and 2 to 4 on transformer using 20GA buss wire. Apply AC input to terminals 1 and 5.
All modifications listed below must include the jumpers for -600 above.	
-601	0.375" terminal block output connector. See model specific BOM for number of terminals.
-602	OVP12 or OVP24 set as listed below (single output models only) 12 V = 13.8 ± 0.8 V 15 V = 17.0 ± 1.0 V 24 V = 27.0 ± 1.0 V 28 V = 31.0 ± 1.0 V
-603	Adjustable 9 to 15 V or 12 to 15 V output set to 12 V. Use appropriate ATE program.
-604	Split type lockwashers installed on TO-3 transistors.
-605	Combination of -601 and -603. Use instructions for -601 and -603 above. Install sense jumpers for 5 V output.
-606	Seal all voltage and current adjust pots.

Advanced Energy

MODIFICATION SPECIFICATIONS

Models with -70X Suffix = Input Jumpers Set for 220 V Operation	
Dash No.	**Description**
-700	Jumper pins 2 to 3 on transformer using 20GA buss wire. Apply AC input to terminals 1 and 5.
All modifications listed below must include the jumpers for -700 above.	
-701	0.375" terminal block output connector. See model specific BOM for number of terminals.
-702	OVP12 or OVP24 set as listed below (single output models only) 12 V: 13.8 ± 0.8 V 15 V: 17.0 ± 1.0 V 24 V: 27.0 ± 1.0 V 28 V: 31.0 ± 1.0 V
-703	Adjustable 9 to 15 V or 12 to 15 V output set to 12 V. Use appropriate ATE program.
-704	Split type lockwashers installed on TO-3 transistors.
-705	Combination of -701 and -703. Use instructions for -701 and -703 above. Install sense jumpers for 5 V output.
-706	Seal all voltage and current adjust pots.

Models with -80X Suffix = Input Jumpers Set for 240 V Operation	
Dash No.	**Description**
-800	Jumper pins 2 to 3 on transformer using 20GA buss wire. Apply AC input to terminals 1 and 4.
All modifications listed below must include the jumpers for -800 above.	
-801	0.375" terminal block output connector. See model specific BOM for number of terminals.
-802	OVP12 or OVP24 set as listed below (single output models only) 12 V: 13.8 ± 0.8 V 15 V: 17.0 ± 1.0 V 24 V: 27.0 ± 1.0 V 28 V: 31.0 ± 1.0 V
-803	Adjustable 9 to 15 V or 12 to 15 V output set to 12 V. Use appropriate ATE program.
-804	Split type lockwashers installed on TO-3 transistors.
-805	Combination of -801 and -803. Use instructions for -801 and -803 above. Install sense jumpers for 5 V output.
-806	Seal all voltage and current adjust pots.

ABOUT ADVANCED ENERGY

Advanced Energy (AE) has devoted more than three decades to perfecting power for its global customers. AE designs and manufactures highly engineered, precision power conversion, measurement and control solutions for mission-critical applications and processes.

Our products enable customer innovation in complex applications for a wide range of industries including semiconductor equipment, industrial, manufacturing, telecommunications, data center computing, and medical. With deep applications know-how and responsive service and support across the globe, we build collaborative partnerships to meet rapid technological developments, propel growth for our customers, and innovate the future of power.

PRECISION | POWER | PERFORMANCE | TRUST

Advanced Energy®

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