![Astrodyne TDI - Now you have power.]

DIN Rail Mounting Sockets

ADP-10 & ADP-15 series
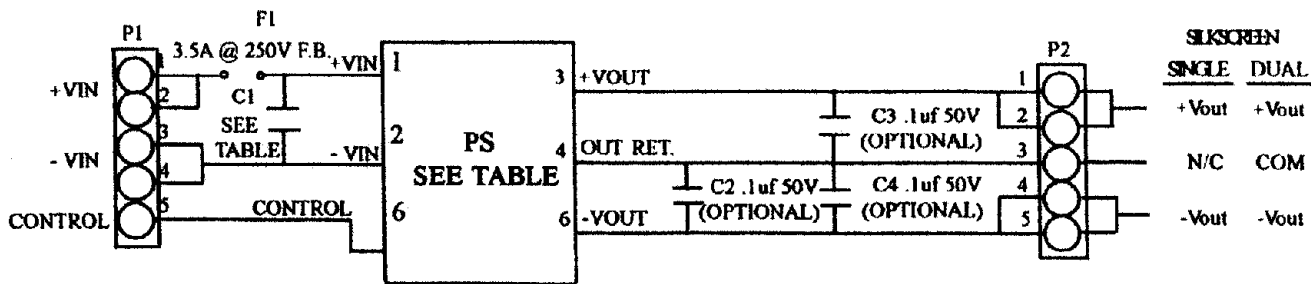
- ■ DIN Rail Adapter for use with 1" x 2" and 1.6" x 2" DC/DC Modules

- ■ Fits DIN EN50022, 50025, and 50035 Rails

- ■ Provisions for Additional External Components

- ■ Standard 3.5A Fuse

- ■ Screw Terminals

Unit measures approx. 3.6" x 3"

DESCRIPTION:

The ADP-10 & 15 is a DIN Rail mounting adapter for use with Astrodyne's 1"x2" and 1.6"x 2" Modular DC/DC Converter Packages. (Please see mechanical dimensions for applicable families of products) These adapters consist of a PC board in a snap fit housing that fits DIN EN50022, 50025, and 50035 Rails. The ADP option comes standard with a 3.5A fast blow fuse and matching input/output screw terminal connectors. The overall outside dimensions are approximately 3.6" by 3".
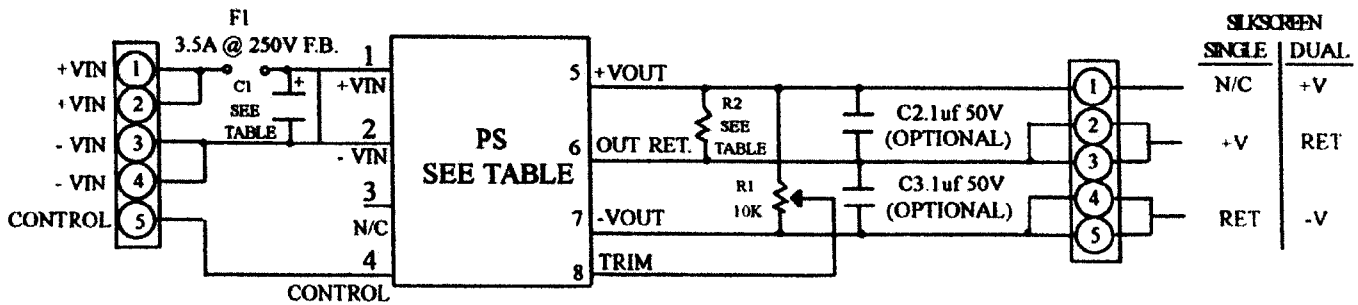

ADP-10

TABLE		
DESC.	PS	C1
12V SINGLE	PS3	47uf @ 50V
12V DUAL	PS4	47uf@50V
48V SINGLE	PS3	10uf@ 100V
48V DUAL	PS4	10uf@ 100V

The adapter PC board also includes part locations for additional features the customer may add:

- C1 may be used for an input Electrolytic capacitor. Although not needed for normal operation, it will help reduce conducted emissions. (See Table)
- C2, C3, C4 are all locations for optional output ceramic capacitors (.1uF, 50V recommended). These capacitors can be used to reduce high frequency output noise in applications where spike switching noise may be a problem. C2 is used on Single outputs and C3 and C4 for Dual outputs.
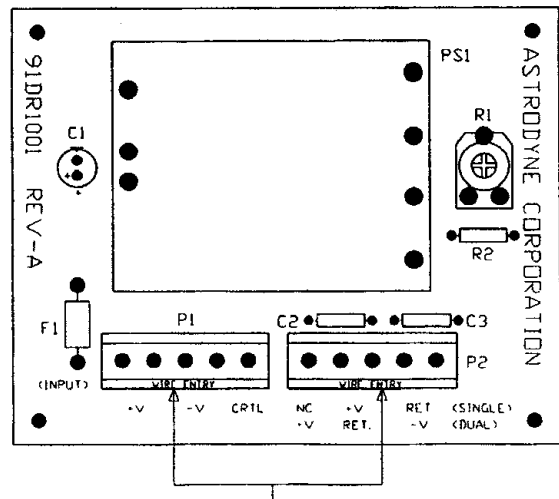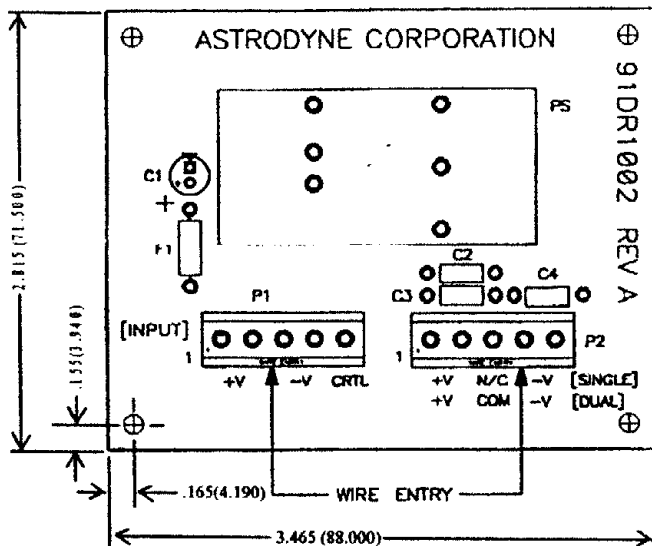
WWW.ASTRODYNETDI.COM

ASTRODYNE USA: 1-800-823-8082
ASTRODYNE PACIFIC: 886-2-26983458

ADP-15

TABLE			
DESC.	PS	C1	R2
12V SINGLE	PS2	47uf @ 50V	JUMPER
12V DUAL	PS1	47 uf @ 50V	NOT USED
48V SINGLE	PS2	10uf @ 100V	JUMPER
48V DUAL	PS1	10uf @ 100V	NOT USED

- C1, C2 and C3 may be used in the same manner as the ADP-10.

- C3 is used on Single outputs and C2 and C3 for Dual outputs.

- R1 is for a trim potentiometer. The ASD15(H), ASD20 and FDC20 Series has an output voltage adjust option and R1 allows for a trim pot to be installed to set the output voltage (adjustment = 0.5V min., 0.65V typical).

- R2 is a jumper location, necessary when R1 (trim pot) is used on Single output converters. It is not used at any other time.

ADP-10
* DIMENSIONS SHOWN APPLY TO BOTH THE ADP-10 & ADP-15

ADP-15

Use the ADP-10 with these families of products:
ASD05(H), ASD07(H), ASD10(H), ASD705, FDC05, FDC10, FEC15, ST05, ST10, and ST15

Use the ADP-15 with these families of products:
ASD15(H), ASD20, and FDC20