

GENERAL DESCRIPTION

The velocity transducer power supply is used to provide DC power regulation for up to 3 velocity transducers. It is powered from 120VAC single phase 60Hz power source.

The power supply features full wave bridge rectification, large electrolytic capacitors for smooth DC voltage regulation, and large TO-220 packaged regulators minimizing heat rise.

The velocity transducer circuitry converts a 0-200FPM input to a 0-4/0-5VDC (jumper selectable) output. It uses the VS-1 dual platinum RTD sensor for fume hood applications with multiple sash configurations.

SPECIFICATIONS - GENERAL

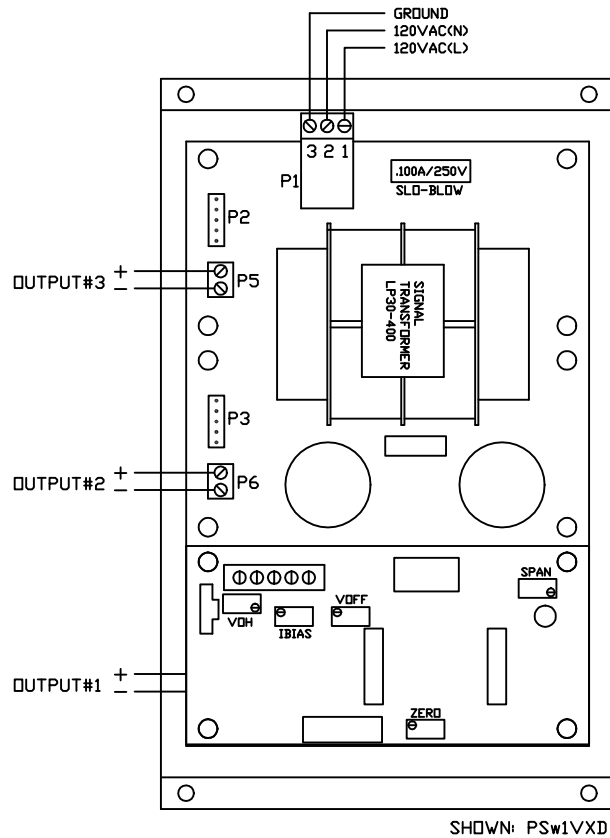
DIMENSIONS: 7.25"L x 4.5"W x 3.5"D  
 WEIGHT: PSw1VXD - 1LB.30Z.  
 PSw2VXD - 1LB.50Z.  
 PSw3VXD - 1LB.70Z.  
 MOUNTING: FOUR(4) 0.156"DIA. HOLES  
 ON 4" x 6.875" CENTERS

SPECIFICATIONS - ELECTRICAL

POWER: 120VAC @ 65mADC MAX.  
 DC POWER: 12VDC@300mADC MAX.  
 -12VDC@50mADC MAX.  
 5VDC@50mADC MAX.  
 FUSE: REPLACE WITH 0.100A/250V SLO-BLOW  
 218 SERIES LITTLEFUSE OR BUSSMANN

ORDERING INFORMATION

Model: PSw1VXD, Part#076670-01  
 Model: PSw2VXD, Part#076670-02  
 Model: PSw3VXD, Part#076670-03



CONNECTOR LEGEND

- P1 - 120VAC 1-PHASE 50/60Hz.
- P2 - DC POWER BUS FOR TRANSDUCER#3
- P3 - DC POWER BUS FOR TRANSDUCER#2
- P4 - DC POWER BUS FOR TRANSDUCER#1
- P5 - TRANSDUCER#3 OUTPUT
- P6 - TRANSDUCER#2 OUTPUT
- P7 - TRANSDUCER#1 OUTPUT

|         |   |          |     |
|---------|---|----------|-----|
| TITLE   | SPECIFICATIONS SHEET: POWER SUPPLY/ VELOCITY TRANSDUCER | PREPARED | MHQ |
| DWG NO. | PSw123VXD   | CHECKED  | MHQ |
| DATE    | 11/18/03  | APPROVED |     |