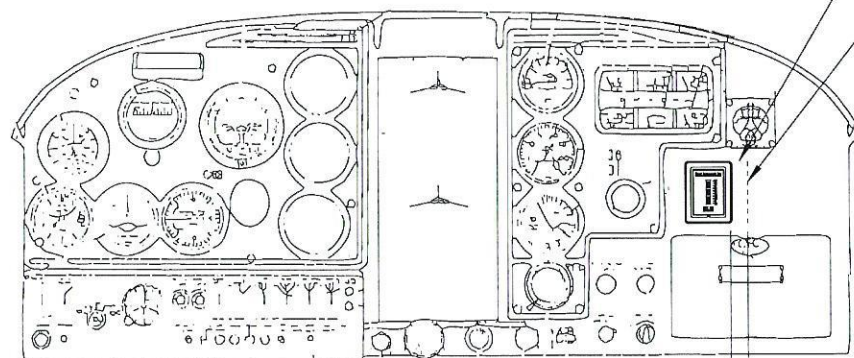


B-2000-0165-1

SYN	REVISIONS	APPROVED	DATE
A	Released for Production	SAM	11/8/02

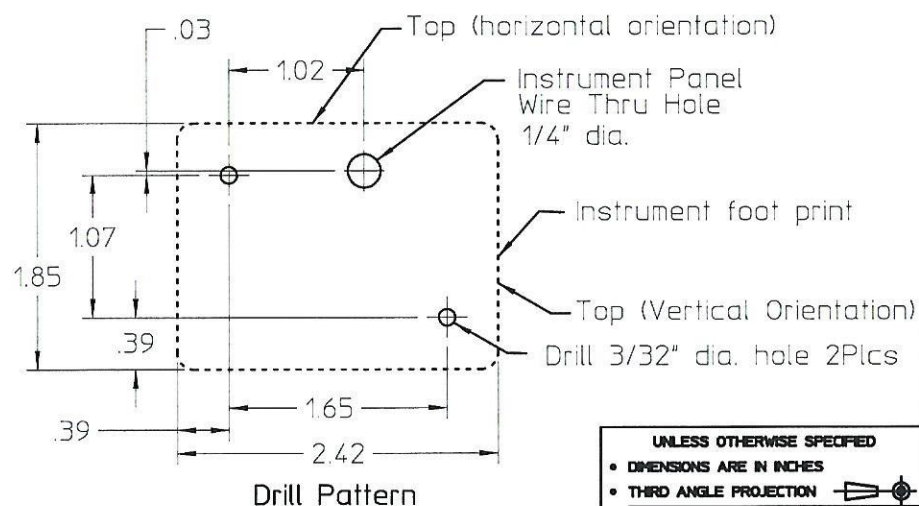
Typical installation Voltmeter mounted vertically on the right side of instrument panel.

Locate a minimum of 1/2" to the nearest device to avoid obstructing Pilots view of adjoining instruments.



Typical Installation

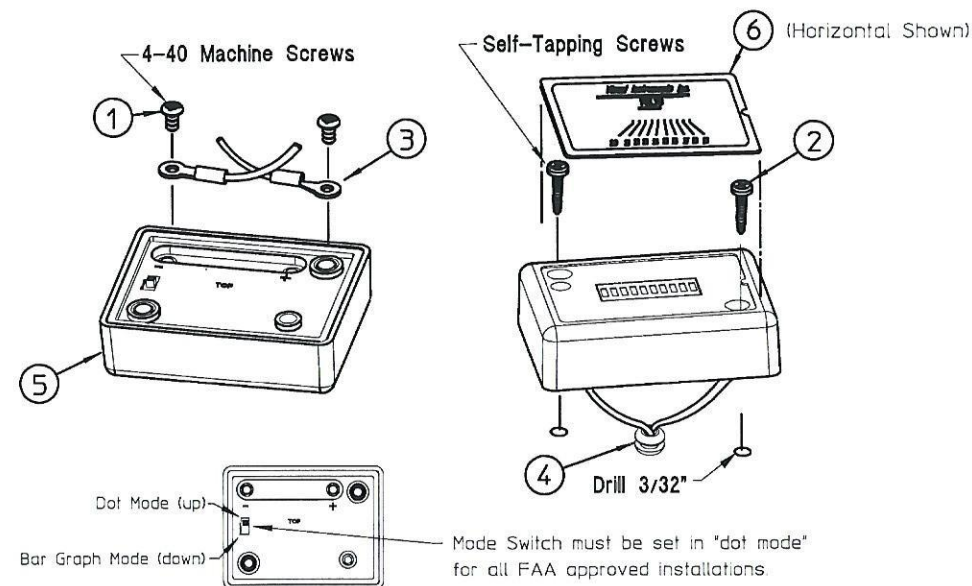
.50 minimum



Drill Pattern

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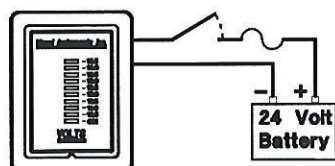
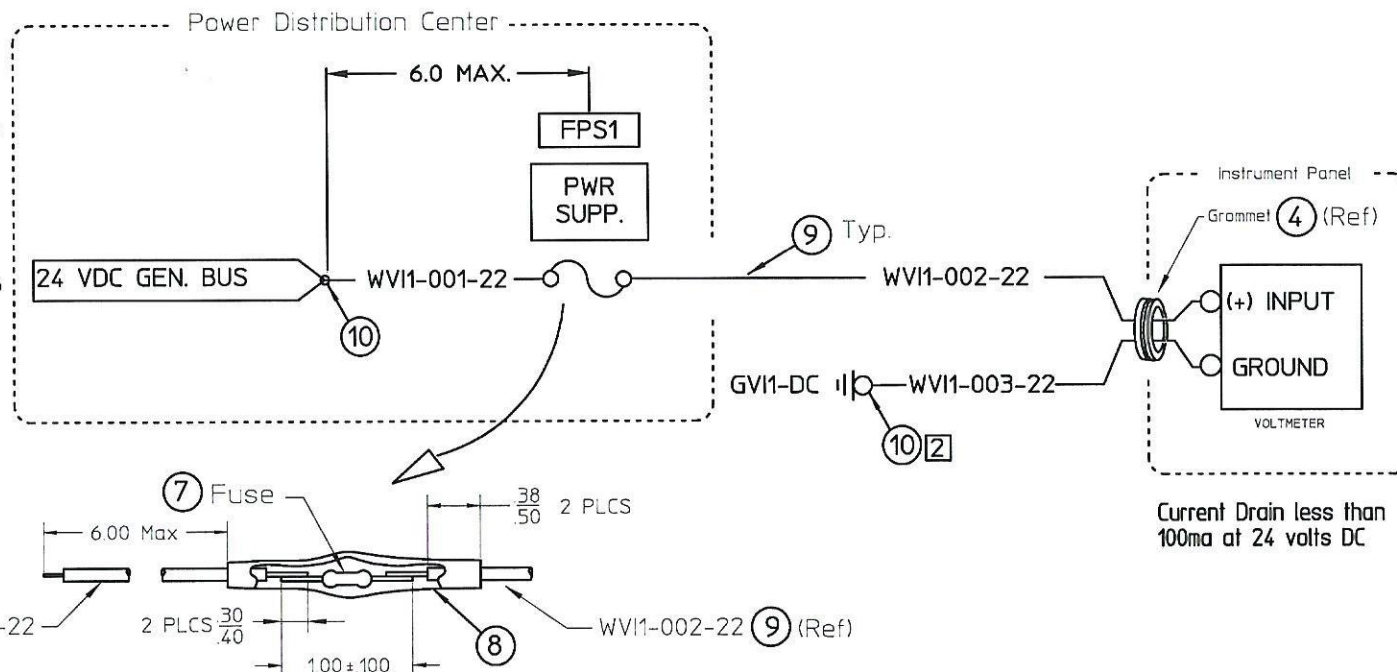
UNLESS OTHERWISE SPECIFIED	
• DIMENSIONS ARE IN INCHES	
• THIRD ANGLE PROJECTION	
• TOLERANCES	
.XX±.02	STRIKE OUT OR FILL IN AS NEEDED
.XXX±.005	
DO NOT SCALE THIS DRAWING	



6	1	24V Label Set	2000-0175	B-2000-0175-1
5	1	Instrument Assembly	2000-2650	B-2000-2650-1
4	1	Grommet 5/32ID X 3/8od for .250 dia hole	2000-5001	B-2000-5001-1
3	2	Ring Terminal #4	2000-5002	B-2000-5002-1
2	2	Tapping Screw 4X.75 sms phil 18-8 SS pan	2000-5003	B-2000-5003-1
1	2	4-40 Machine screws 1/4" pan Posi SS	2000-5004	B-2000-5004-1
ITEM	QTY.	PART/MATERIAL-DESCRIPTION	Visual Part Number	Control Drawing Number
Steve Mahoney		03/07/96	24V Voltmeter Installation	
DRAWN BY		DATE		
Steve Mahoney		03/07/96	Visual Instruments Inc	
ENGINEER/CHECKER				
RELEASE TO PROD.			PART NUMBER 2000-0165	
'2000-0165_revA.mi			B-2000-0165-1	
FILE				
X .75		1	2	
SCALE		SHEET	OF	

NOTES: (UNLESS OTHERWISE SPECIFIED)

- Using the 2 self-tapping screws, mount the meter in a suitable location, preferably out of direct sunlight. Make sure the appropriate engraved word "TOP" (dependent on vertical or horizontal installation) is located up.
- Build up ground stud per AC43.13-1b Chapter 11, Section 15.
- Route wires as shown per AC 43.13-1b Chapter 11, section 9 and 11. Paying specific attention to the following details:
 - Pick-up existing wire runs by opening existing clamps and utilizing nylon tie wraps to secure new wires to parent harness.
 - The final harness should be neat in appearance - all wires should be Parallel. Breakouts will have support before and after departure from parent harness.
 - Inspect and verify that the new wires cannot be manually deflected into any structure with a bend radius of less than .125 inches
 - Wires will not be routed within 6" of fluid carrying lines. If this is not possible, install wires per AC 43.13-1b Chapter 11, Paragraph 11-126
- Affix the appropriate label (vertical or horizontal). Peel off the clear protective top layer.



Simplified Schematic

Typical Installation

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UNLESS OTHERWISE SPECIFIED	
• DIMENSIONS ARE IN INCHES	
• THIRD ANGLE PROJECTION	
• TOLERANCES	
.XX±.02	
.XXX±.005	
DO NOT SCALE THIS DRAWING	

STRIKE OUT OR FILL IN AS NEEDED

10	2	Ring Terminal #8	2000-5012	B-2000-5012-1
9	A/R	22 Gage wire Mil.Spec Mil-W-22759/16	2000-5007	B-2000-5007-1
8	A/R	Shrink Tubing 1/8 dia	2000-5006	B-2000-5006-1
7	1	Fuse 2 Amp 125 V Axial	2000-5005	B-2000-5005-1
ITEM	QTY.	PART/MATERIAL-DESCRIPTION	Visual Part Number	Control Drawing Number
Steve Mahoney		03/07/96	24V Voltmeter Installation	
DRAWN BY		DATE		
Steve Mahoney		03/07/96		
ENGINEER/CHECKER			Visual Instruments Inc	
RELEASE TO PROD.			PART NUMBER 2000-0165	
'2000-0165-2_revA.m			B-2000-0165-2	
FILE			X .75 SCALE	2 2 SHEET OF

B-2000-0165-2			
SYN	REVISIONS	APPROVED	DATE
A	Released for Production	SAM	11/08/02