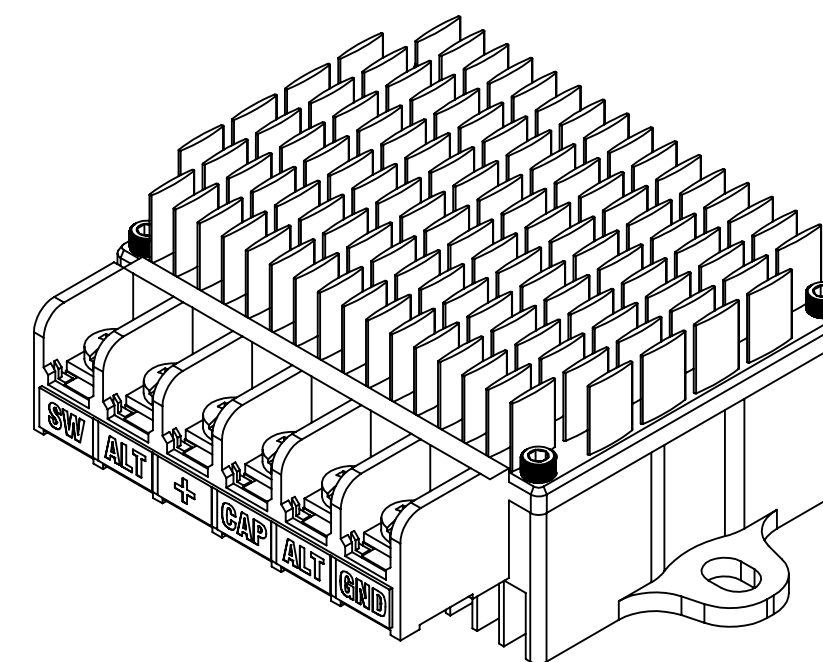
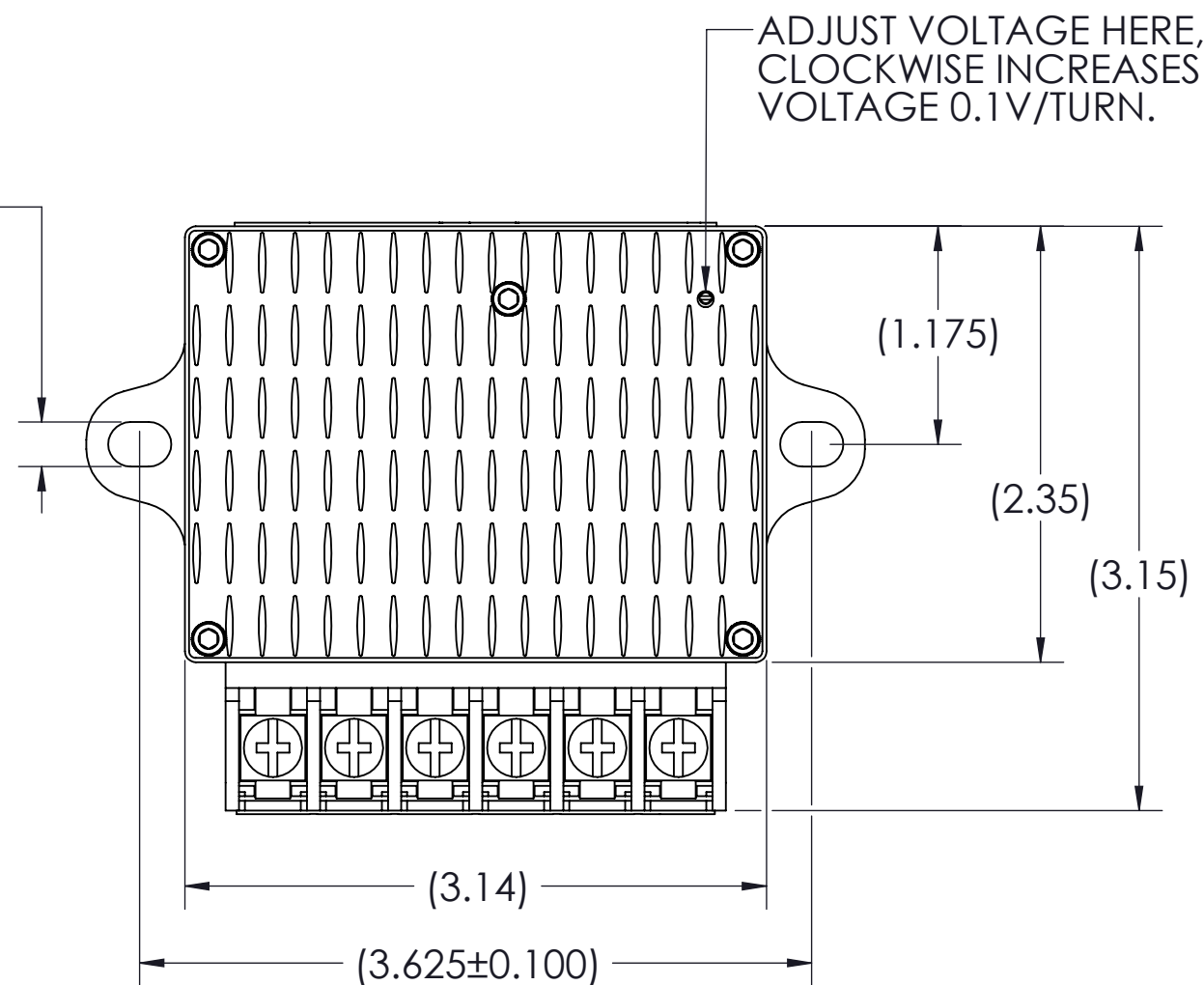
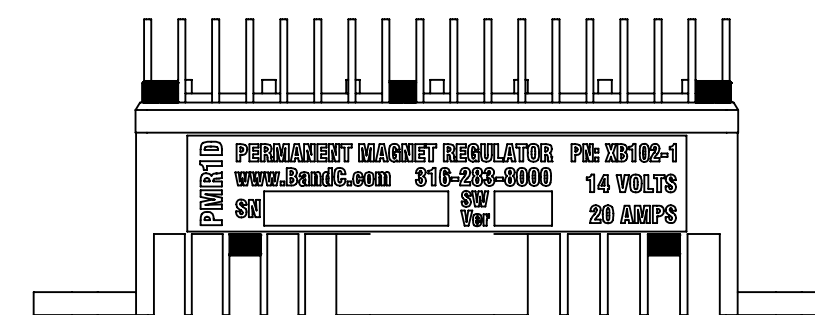
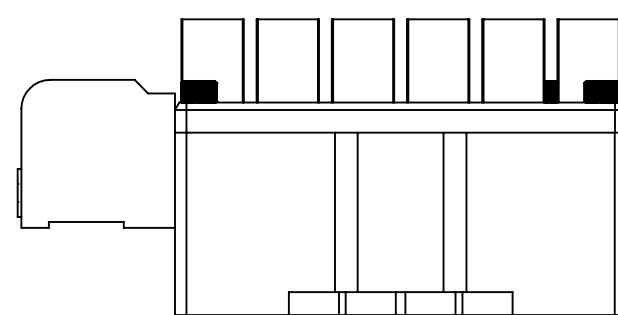
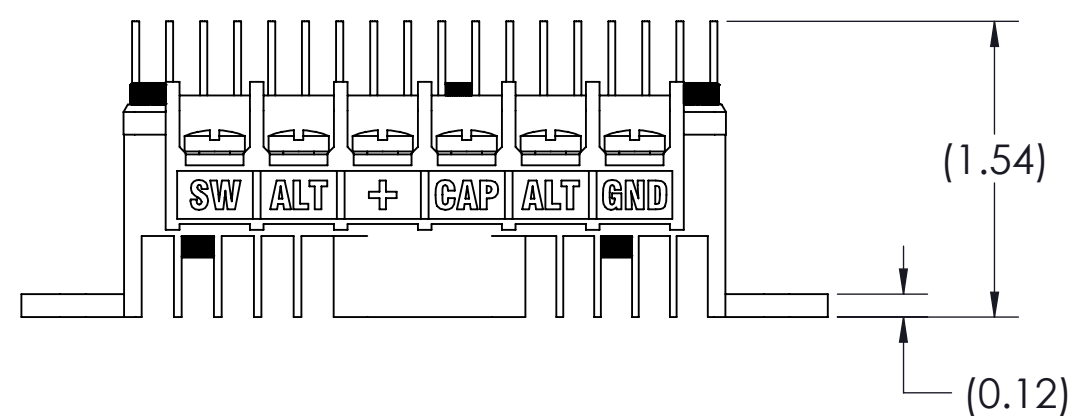


(0.24)
COMPATIBLE
WITH #10 OR
M6 FASTENERS



FEATURES:

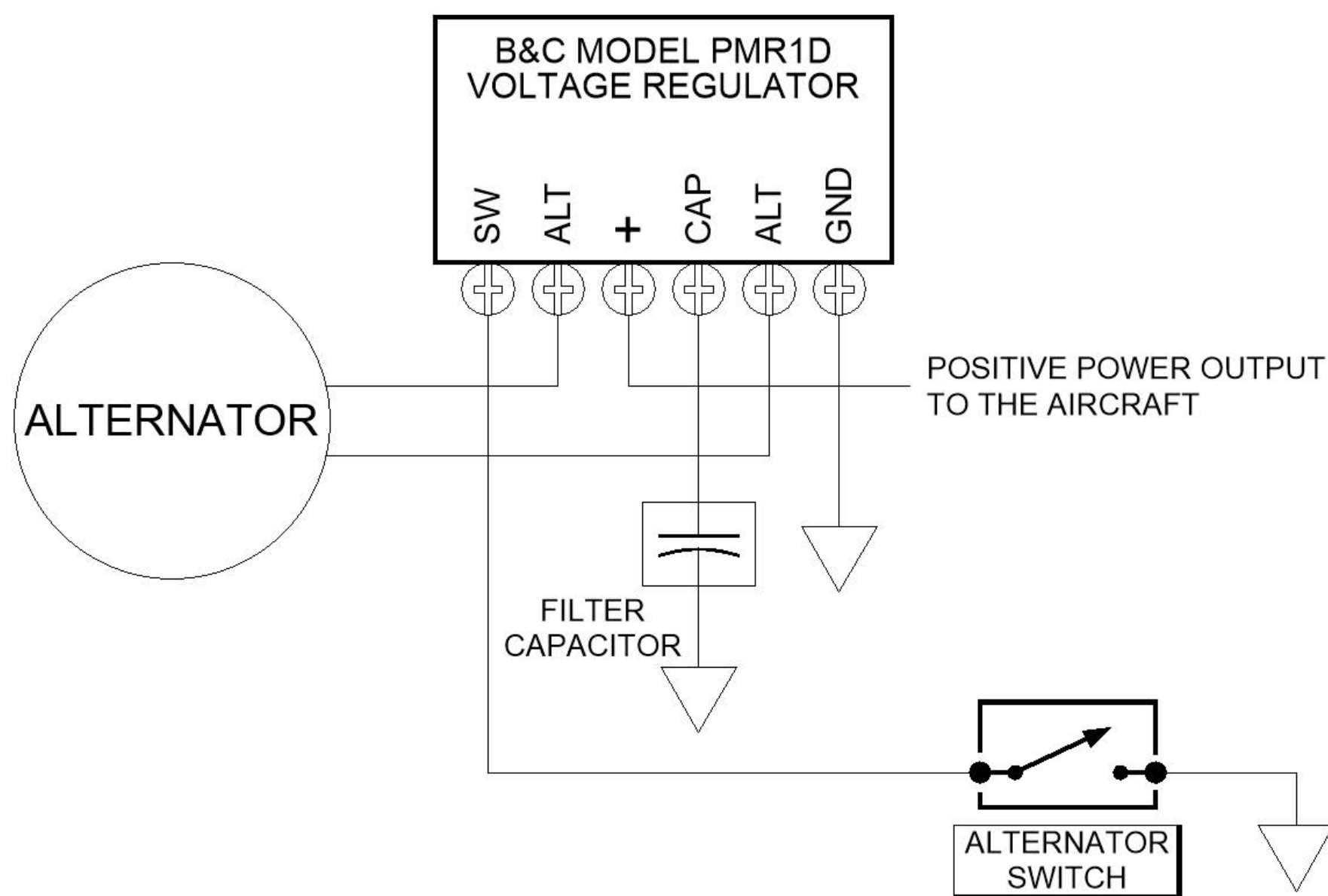
- 1) BUILT-IN OVER-VOLTAGE PROTECTION.
- 2) ADJUSTABLE OUTPUT VOLTAGE.
- 3) SELF-EXCITING. WILL BRING THE ALTERNATOR ONLINE WITH NO OTHER POWER SOURCE REQUIRED.
- 4) OVER-TEMPERATURE PROTECTION.
- 5) SCREW TERMINALS FOR MORE RELIABLE ELECTRICAL CONNECTIONS, (#8 SCREWS).
- 6) MOUNTING FOOTPRINT MATCHING THE DUCATI AND AVC1.
- 7) SERIES STYLE REGULATION FOR COMPATIBILITY WITH THERMALLY CHALLENGED ALTERNATOR STATORS SUCH AS JABIRU.
- 8) WEIGHT: 0.5 LBS.



-1 PMR1D VOLTAGE REGULATOR, 14V

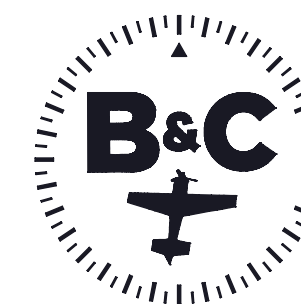
ELECTRICAL CONNECTIONS:

- SW:** THIS TERMINAL GOES TO THE ALTERNATOR SWITCH AND IS SWITCHED TO GROUND. GROUNDED IS ON, OPEN IS OFF. A SHORT JUMPER TO GROUND MAY BE INSTALLED IN PLACE OF A SWITCH TO MAKE THE ALTERNATOR ALWAYS ON. CYCLING THE ALTERNATOR SWITCH RESETS THE REGULATOR AFTER AN OVER-VOLTAGE SHUT-DOWN. 0.06A CURRENT DRAW.
- ALT:** ONE OF THE TWO ALTERNATOR STATOR WIRES GOES HERE. IT DOESN'T MATTER WHICH ONE.
- +:** THIS IS THE POSITIVE POWER OUTPUT FROM THE REGULATOR GOING TO THE AIRCRAFT.
- CAP:** THE POSITIVE SIDE OF THE FILTER CAPACITOR GOES HERE. A CAPACITOR IS REQUIRED.
- ALT:** THE SECOND ALTERNATOR STATOR WIRE GOES HERE.
- GND:** THIS IS THE POWER GROUND CONNECTION AND GOES TO AIRFRAME GROUND. THE REGULATOR CASE IS NOT USED AS A GROUND PATH.



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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
LINEAR TOLERANCES	.XX ± .03 .XXX ± .010
ANGULAR TOLERANCES	± 0.5°
ALL MACHINED SURFACES	125



DRAWN BY D.SWARTZENDRUBER	DATE 6/25/2024
CHECKED BY B.MUSSER	DATE 6/25/2024
APPROVED BY N.BAINBRIDGE	DATE 7/17/2024

B&C SPECIALTY PRODUCTS
Newton, Kansas

DRAWING TITLE PMR1D PERMANENT MAGNET VOLTAGE REGULATOR, 14V			
SIZE C	DRAWING NUMBER XB102	REV A	
SCALE 1:1	STATE RELEASED	SHEET 1	