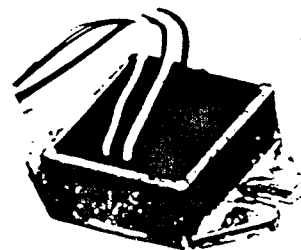
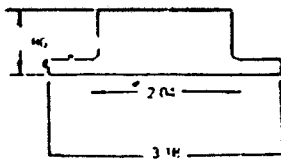
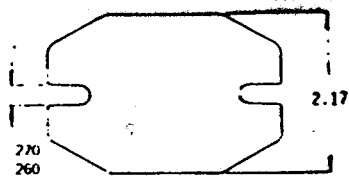


# Tympanium Electronic Voltage Regulator-Rectifier 332-104/A

Replaces selenium rectifiers, regulators and zener diodes on 12 volt positive and negative ground systems, for motorcycles which employ a permanent magnet alternator for generating electric power. Ideally suited for positive ground Triumph, BSA and Norton systems. Case is die cast aluminum with electrical components environmentally sealed. This regulator has a two year warrantee, limited to its replacement, for two years from its purchase date for defects in materials or workmanship. Call British Cycle Supply Company for a return authorization number and instructions.



**Simple Installation** - Two mounting holes and four wires; 2 AC and 2 battery

**Full-wave Rectified, DC Output** - When properly connected, full alternator output capability is available to ensure a fully charged battery. For single phase permanent alternator on all except 1979 and later Triumphs.

**Shunt Regulated** - Provides complete control over the current from less than one amp to over ten amps.

**Negative Temperature Coefficient** - As the ambient temperature decreases, an increase in regulated battery voltage is established to offset the negative temperature coefficient of the battery. This assures a fully charged battery under all temperature conditions.

**Low Leakage Current** - Leakage current, battery to ground, through the regulator-rectifier, is less than one milliampere. This ensures that the regulator-rectifier will not significantly contribute to draining the battery when the engine is not running.

**Battery Eliminator** - If the battery is removed or disconnected the unit regulates system voltage over the full range of engine rpm and electrical load. Adding a capacitor will provide smooth battery-less operation. Vehicles with magneto ignition do not require a capacitor for battery-less operation.

## Positive Ground Installation:

- 1) Disconnect battery ground.
- 2) Remove the zener diode and tape over or cut wire to it.
- 3) Disconnect and remove the rectifier.
- 4) Bolt the regulator to a cool metal location on the chassis for good heat sinking. Ensure that wires disconnected from the rectifier will reach the regulator lead wires.
- 5) Connect wires according to colour code:

Tympanium	Existing Wires	Function
Brown	Brown	B-. Battery
Yellow	Yellow/Green	AC. Alternator
Yellow	White/Green	AC. Alternator
Red	Red	B+. Ground

6) Reconnect battery

## Negative Ground Installation:

- 1) Disconnect battery ground.
- 2) Remove the zener diode and tape over or cut wire to it.
- 3) Disconnect and remove the rectifier.
- 4) Bolt the regulator to a cool metal location on the chassis for good heat sinking. Ensure that wires disconnected from the rectifier will reach the regulator lead wires.
- 5) Connect wires according to colour code:

Tympanium	Function
Brown	B-. Ground
Yellow	AC. Alternator
Yellow	AC. Alternator
Red	B+. Battery

6) Reconnect battery

**Call British Cycle Supply Company (902)542-7478**