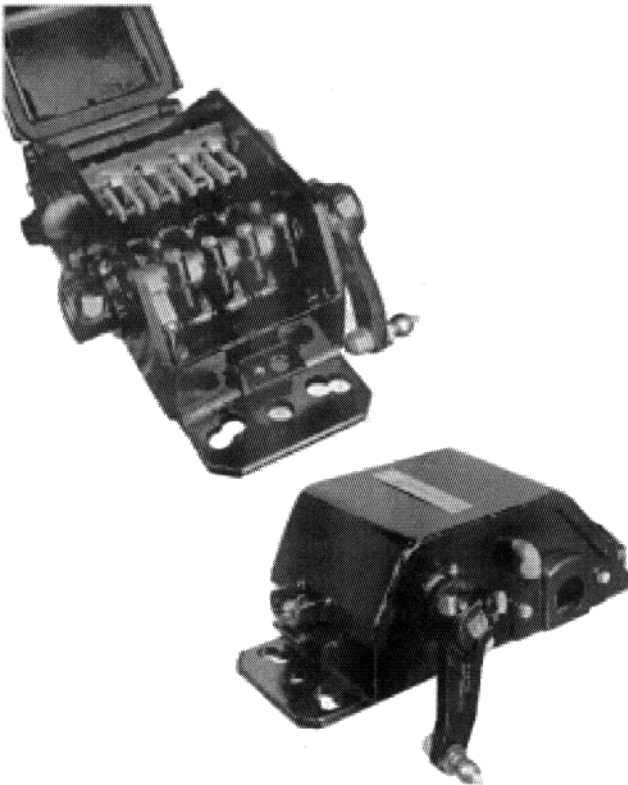


Model 100 Circuit Controllers



Unusually Durable

- 3/8 inch plate steel construction tough to break easy to repair.
- 1-1/2" diameter shaft.

Many Configurations

- 2 and 4 cam/contact set units
- 2 position cams
- With or without return spring
- Two crank arm options
- Non-insulated and insulated ball studs

Reliable

- Contacts positively driven in both directions
- Quick response, three degree movement of crank arm actuates contacts

Adaptable

- Six mounting holes, two slotted holes at each end on 4"/5" centers, one at each end on center line of case
- Wide variety of accessories

Particular attention has been paid to design requirements established for Operating Shafts, Operating Cams, Contacts, Cam/

Contact Responsiveness, Cam/Contact Inter-relationship and Unit Dielectric Characteristics.

General Comment

Circuit controllers are used to provide positive electrical indication of the position or condition of switch points, derails, bridges, slide fences, etc. Such indication can modify signal aspects to restrict train movement, actuate crossing signals or turn on alarms of various types. Circuit controllers are capable of controlling relay circuits or shunting track circuits. Usually a heavy (1" dia) steel rod connects the circuit controller to the device being checked. Units can be purchased with internal return spring that will "detect" a broken operating rod by moving the operating

shaft so that the cams cause contacts to open, resulting in a restrictive or alarm condition.

Design concepts for the Model 100 Circuit Controller have evolved over time and address the need of the railroad industry. These needs include durability through a wide range of abusive environmental conditions, reliable performance to precise and exacting standards and a device that presents a very low maintenance burden over an extended service life.

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