

# 7R Switch Circuit Controller Rail Mounted



As part of a comprehensive PTC Solution, Alstom introduces the first Rail-Mounted Switch Circuit Controller. The electro-mechanical unit is derived from the original 7K designs, but now includes improved features such as IP-67 frost-protected Limit Switches, Vibration Isolation mounts, and a new slender design profile that allows it to clamp to the rail base.

This new design can be used on Mainline, Yard, or Dark Territory applications, as needed for PTC or independent detection requirements. Its value is evident in the reduced Man-Hours needed to install the unit (compared to a conventional tie-mounted unit) and the reduction of department coordination involved in doing so (no track crew needed).



Positive, dual-point detection independently verifies both normal and reverse positions - reducing derailments and improving velocity. The unit can be quickly clamped to the rail and is an ideal product for concrete-tie locations, rotted wood-tie track, and new construction needs. It is also designed in such a way that it can be mounted directly to wood ties if needed. When coupled with Alstom's microWUI, you have an ideal PTC solution for wayside equipment.

The 7R Switch Circuit Controller is proof positive that Alstom leads the industry with innovative designs and ground-breaking PTC technology.

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*We are Shaping the future*

**ALSTOM**

# 7R Switch Circuit Controller

## FEATURES

### Rail-Mounted

- One detection unit for each Switch Point
- Eliminates extended ties for conventional circuit controller mounting
- Eliminates need to purchase & add #1 Rod to Layouts
- Eliminates Track Crew involvement for the installation of a Track-Rod at required locations
- Unit sits minimum of 1" below Head of Rail to avoid Hi-Rail Car Wheels
- Will work on all rails between 115# and Higher

### Perfect for Dark Territory Environment

- Rail mounted "Between the Tie" design minimizes impact of Rail-Creep on poor track beds
- Solar / Remote Adaptable

### Spare Contacts

- 1/8" Early-Warning
- Internal Correspondence LED

### Accessories

- Dragging Equipment (Ramp-Type)

### New Limit Switches

- No springs or contact fingers
- Compact Design
- Field replaceable

### Easy Adjustment

- Same, proven adjustable cam & rocker design as the 7K (smaller package)

### Temperature Range

- -40 to 70 Celsius

### Dimensions

- Length: 15" (Back, from Base-Edge of Rail)
- Width: 8.9" (Arm & Centering device incl.)
- Depth: 2" (From Bottom of Stock Rail)
- Height: 7.6" (From bottom of mntg. Bracket)
- Weight: 47 Pounds

### Miscellaneous

- Updated Centering Device
- New Cover-Gasket Tension Bolt

