

STYLE 63 POINTS MACHINE MOD KIT

The Style 63 Mod Kit is designed to update the Style 63 points machine while maintaining the safety critical requirements for safe passage of a train set over a turnout. ACTOM Signalling manufactures the Mod Kit in South Africa.

The conversion kit is designed and manufactured in South Africa by ACTOM Signalling who own the IP rights to the conversion. The mechanism replaces the BR type circuit controller with a proven cam and limit switch arrangement. The design incorporates:

- Regenerative braking at end of stroke (DC machines).
- Electromagnetic braking (AC machines).
- Solid state AC or DC snubbing units.

Main Parts List

- Mild steel carriage plate (electroplated).
- Limit switches (lock and blade detection).
- Snap action limit switch (motor cut-off and snubbing activation).
- All limit switches are high quality, totally enclosed, with wipe action contacts.
- Nylon gear (matches nylon rack on drive slide).
- Shaft complete with operating cams.
- Wire loom (standard four-wire detection and motor control).
- Alternate detection circuit looms available.
- Terminals for incoming power and detection cables.
- Stand-off hexagon support spacers to fit conversion kit to existing fixing points (electroplated).
- Lid label.

Ordering details

- Style 63 conversion kit.
- Specify machine voltage (110 V DC or 380 V AC).



Advantages

- Friction operated pendulum cut-out switch on motor eliminated.
- Greatly increased reliability with reduction in maintenance requirements.
- Use of snap action cut-out switches eliminates costly and complex beryllium copper contact arrangements used on the BR circuit controller (eliminating problematic set-up and maintenance requirements associated with finger contacts).
- Robust mild steel carriage eliminates the Bakelite carriage's susceptibility to fracturing, as well as the expensive Bakelite carriage with brass inserts.
- End bearings made of Vesconite self-lubricating material eliminate the excessive wear previously experienced with brass bushes due to the spring pressure of the finger contacts.
- Overall compact dimensions incorporating standard commercially available switches.

- Totally enclosed switches increase reliability through protection against corrosion and the ingress of dirt and dust.
- The wiring harness of the conversion kit is provided to incorporate the use of solid state snubbing as a standard (but other arrangements can be made on request).
- One year guarantee.

Installation

- The pendulum cut out switch is replaced with a terminal block on which the wiring is terminated.
- A solid-state snubbing unit is fitted to the escapement crank top plate.
- The conversion kit, which uses a drive gear similar to the BR circuit controller, can now be fitted using much the same installation and set-up technique as for the BR circuit controller.
- Terminate incoming control wires onto terminal blocks provided with the conversion kit.

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